

MED

(2014 - 2020)



Application Form

AF_1_Modulaire

Priority axis-Investment Priority-Specific Objective 1-1-1

Priority Axis 1: Promoting Mediterranean innovation capacities to develop smart and sustainable growth

PI 1.b

1.1 To increase transnational activity of innovative clusters and networks of key sectors of the MED area

GREENOMED

Mediterranean Trans-Regional Cooperation for green manufacturing innovation

Submitted version

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Table of contents

- I - PART A - Project summary	1
1. A.1 Project identification	1
2. A.2. Project short description	1
3. A.3. Project budget summary	2
4. A.4. Project partners overview	2
5. A.5. Project statistic information	6
- II - PART B - Project partners	6
1. B.1. Project partners	6
1.1 B.1.1. Additional partner's information	27
1.2 B.1.2. In the case of partners from outside the programme area	29
1.3 B.1.3. Finance by partner	30
1.4 B.1.4. Origin of partner contribution	35
1.5 B.1.5. Net revenues	37
1.6 B.1.6. Contacts	40
1.7 B.1.7. Former experience	53
1.8 B.1.8. Other former experience	72
2. B.2 Associated partners	81
- III - PART C – Project description	95
1. C.1 Project relevance	95
1.1 C.1.1 What are the common territorial challenges that will be tackled by the project? Are they coherent with the progra...	95
1.2 C.1.2 What is the project's approach in addressing these common territorial challenges and/or joint assets and what is...	96
1.3 C.1.3 Why is transnational cooperation needed to achieve the project's objectives and result?	97
1.4 C.1.4 Please confirm wich cooperation criteria apply to your project.	97
1.5 C.1.5 Why the type of project (module) selected is appropriate in order to achieve the objectives of the project?	97
2. C.2 Project focus	98
2.1 C.2.1 Project objectives, expected results and main outputs	98
2.2 C.2.2 Target groups	104
3. C.3 Project context	105
3.1 C.3.1.a. How does the project contribute to wider strategies and policies?	105
3.2 C.3.1.b. If applicable, indicate if the project contributes to the following strategies and describe in what way.	106
3.3 C.3.2.a. What are the synergies with past or current EU and other projects or initiatives the project makes use of?	107
3.4 C.3.2.b. List of synergies.	108
3.5 C.3.3 How does the project build on available knowledge?	110
4. C.4 Horizontal principles and evaluation	111
4.1 C.4.1 Please indicate which type of contribution to horizontal principles applies to the project, and justify the choice.	111
4.2 C.4.2 Please indicate which type of evaluation is foreseen and justify the choice.	112
5. C.5 Work plan	113
5.1 C.5.2. Detail of work packages (Automatically filled in)	114
5.2 C.5.3. WP0 : Project preparation : Description	160
5.3 C.5.4. WP1 : Project management : Description	160
5.4 C.5.5. WP2 : Project communication : Description	161
5.5 C.5.6. WP2 : Project communication : Explanation	161

5.6 C.5.7. WP 3: Studying : Description and objective	162
5.7 C.5.8. WP 3: Studying : Target groups involvement	162
5.8 C.5.9. WP 3: Studying : Durability and transferability of main outputs of this WP	162
5.9 C.5.10. WP 4: Testing: Description and objective	162
5.10 C.5.11. WP 4: Testing : Pilot activities : Justification	163
5.11 C.5.12. WP 4: Testing: Time frame of the pilot activity implementation	163
5.12 C.5.13. WP 4: Testing: Target groups involvement	164
5.13 C.5.14. WP 4: Testing: Durability and transferability of main outputs of this WP	164
5.14 C.5.15. WP 5: Transferring : Description and objective	164
5.15 C.5.16. WP 5: Transferring : Target groups involvement	165
5.16 C.5.17. WP 5: Transferring : Durability and transferability of main outputs of this WP	165
5.17 C.5.18. WP 6: Capitalising : Description and objective	165
5.18 C.5.19. WP 6: Capitalising : Target groups involvement	166
5.19 C.5.20. WP 6: Capitalising : Durability and transferability of main outputs of this WP	166
5.20 C.5.21. Work package deliverable (Automatically filled in)	166
6. C.6 Activities outside the programme area (option A)	171
7. C.6 Activities outside the programme area (option B)	175
8. C.7 Indicative time plan : activities (Automatically filled in)	176
9. C.8 External expertise and services, Equipment (option A)	181
9.1 C.8.1 External expertise and services description (option A)	181
9.2 C.8.2 Equipment description (option A)	190
9.3 C.8.3 Small scale investment description (option A)	191
10. C.8 External expertise and services, Equipment (option B)	192
10.1 C.8.1 External expertise and services description (option B)	192
10.2 C.8.2 Equipment description (option B)	192
10.3 C.8.3 Small scale investment description (option B)	192
- IV - PARTIE D – Budget du projet	193
1. D.1 Project budget co-financing source (fund) – breakdown per partner (Automatically filled in)	193
2. D.2 Project budget – overview per partner/ per budget line (Automatically filled in)	194
3. D.3 Project budget – overview per partner/ per WP (Automatically filled in)	195
4. D.4 Project budget – overview per WP/ per budget line (Automatically filled in)	197
5. D.5 Project budget – overview per partner/ per module (Automatically filled in)	197
6. D.6 Net revenues (Automatically filled in)	199
7. D.7 Origin of partner contribution (Automatically filled in)	200
8. D.8 Partner budget - overview per WP/ per budget line (Automatically filled in)	201
9. D.9 Project budget – overview per semesters	206
- V - PART E - Signature	208
1. E. 1. Lead partner confirmation and signature	208

- I - PART A - Project summary

1. A.1 Project identification

Acronym		GREENOMED	
Project title		Mediterranean Trans-Regional Cooperation for green manufacturing innovation	
Name of the Lead Partner organisation		National Research Council	
Project Nb		1015	
Duration of the project	Starting date	2017-02-01	Number of months
	Ending date	2019-07-31	30
Programme priority axis		Priority Axis 1: Promoting Mediterranean innovation capacities to develop smart and sustainable growth	
Programme specific objective		1.1 To increase transnational activity of innovative clusters and networks of key sectors of the MED area	
Call for projects		1st call for proposals	
Type of project		Testing	
Internal ref number		1MED15_1.1_M2_072	

2. A.2. Project short description

Manufacturing is an important pillar for Europe, since it impacts significantly on economy, occupation welfare and environment. It consumes about the 30% of the total energy produced, uses as input critical raw materials and is responsible for environmental emissions. Thus, the adoption of green practices in manufacturing is a top-priority of several European Regions.

However, even if Europe is a global leader in green manufacturing research, its innovation capacity should be strongly improved. The availability of a European network of pilot plants accessible to SMEs could significantly contribute to this goal.

The setup such an interconnected network of pilot plants requires the identification of common challenges and the mobilization of considerable resources. For these reasons, Regions should cooperate to reach this goal under the paradigm of smart specialization.

In the “VANGUARD Initiative”, a Clusters-governed methodology for the setup of trans-national projects of pilot plants was conceived, but was not tested on a structured basis and on a large scale.

Based on this experience, GREENOMED aims at testing and transferring this methodology in the MED Regions, considering their peculiarities and also their link with other relevant EU manufacturing Regions, in particular with Germany. GREENOMED will address business support organizations (Clusters), enterprises, SMEs, research and innovation organizations, Public Regional Authorities, as well as the general public.

3. A.3. Project budget summary

Programme co-financing			CONTRIBUTION					TOTAL ELIGIBLE BUDGET
Co-financing source	Amount	Co-financing rate	Public contribution			Private contribution	Total contribution	
			National contribution	Other public contribution	Total public contribution			
ERDF	1,742,500.00 €	85.00 %	97,500.00 €	76,500.00 €	174,000.00 €	133,500.00 €	307,500.00 €	2,050,000.00 €
Total EU funds	1,742,500.00 €	85.00 %	97,500.00 €	76,500.00 €	174,000.00 €	133,500.00 €	307,500.00 €	2,050,000.00 €
Total	1,742,500.00 €	85.00 %	97,500.00 €	76,500.00 €	174,000.00 €	133,500.00 €	307,500.00 €	2,050,000.00 €

4. A.4. Project partners overview

Partner number	Name of the partner	Abbreviation of the organisation	Country/NUTS2	Eligibility zone	Fund	Partner total eligible budget	Responsibilities	Partner status
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LPI	National Research Council - Institute of Industrial Technologies and Automation	CNR	ITALY / Lazio	MED Partner	ERDF	310,000.00 €	Preparing a submitting a project proposal Administrative and financial management Project Management: setting up common methodologies for actions Communication strategy and planning Diffusion and dissemination activities Coordination with Horizontal projects and capitalization activities Contribution to Programme communication activities Participation to external events Transferring results to other Clusters Transferring results to Regional Authorities	Active
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PP1	AFIL – ASSOCIAZION E FABBRICA INTELLIGENT E LOMBARDIA	AFIL	ITALY / Lombardia	MED Partner	ERDF	170,000.00 €	Creation and management of a project community Pilot activities implementation	Active
PP2	Associazione Cluster Marche Manufacturing	ACMM	ITALY / Marche	MED Partner	ERDF	130,000.00 €		Active
PP3	EURECAT Foundation	EURECAT	SPAIN / Cataluña	MED Partner	ERDF	230,000.00 €	Project Conferences WP Coordination Transfer activities design and planning Event to establish the transfer process	Active
PP4	Pomurje Technology Park	PTP	SLOVENIA / Vzhodna Slovenija	MED Partner	ERDF	130,000.00 €		Active
PP5	Technology Park Ljubljana Ltd.	TPLJ	SLOVENIA / Zahodna Slovenija	MED Partner	ERDF	160,000.00 €		Active
PP6	Croatian Chamber of Economy	CCE	CROATIA / Kontinentalna Hrvatska	MED Partner	ERDF	160,000.00 €		Active
PP7	Cluster "Inteligentna Energija" d.o.o.	CIE	CROATIA / Kontinentalna Hrvatska	MED Partner	ERDF	130,000.00 €		Active

PP8	Plastipolis	Plastipolis	FRANCE / Rhône-Alpes	MED Partner	ERDF	230,000.00 €	Elaboration of transfer method and tools Seminar on results of testing activities	Active
PP9	Interbalkan Environment Center	iBEC	GREECE / Κεντρική Μακεδονία	MED Partner	ERDF	200,000.00 €		Active
PP10	Fraunhofer Institute for Machine Tools and Forming Technology	FRAUNHOFER	GERMANY / Oberbayern	Non MED EU Partner	ERDF	200,000.00 €	Quality management: evaluating the project WP coordination Pilot activities design and planning Pilot activities evaluation	Active
PP11	t2i – technology transfer and innovation	T2i	ITALY / Veneto	MED Partner	ERDF	0.00 €		Associate
PP12	Marche Region	MARCHE	ITALY / Marche	MED Partner	ERDF	0.00 €		Associate
PP13	Ministarstvo gospodarstva Republike Hrvatske		CROATIA / Kontinentalna Hrvatska	MED Partner	ERDF	0.00 €		Associate
PP14	Catalan Agency for Business Competitiveness	ACCIO	SPAIN / Cataluña	MED Partner	ERDF	0.00 €		Associate

PP15	ASTER S.Cons.p.A.	ASTER	ITALY / Emilia-Romagna	MED Partner	ERDF	0.00 €		Associate
PP16	REGION OF CENTRAL MACEDONIA	RCM	GREECE / Κεντρική Μακεδονία	MED Partner	ERDF	0.00 €		Associate
PP17	Saxon State Ministry for Economic Affairs, Labour and Transport	SMWA	GERMANY / Dresden	Non MED EU Partner	ERDF	0.00 €		Associate
PP18	Lombardy Region		ITALY / Lombardia	MED Partner	ERDF	0.00 €		Associate
PP19	Regional office of companies, competition, consumption, work and employment Rhône-Alpes	DIRECCTE	FRANCE / Rhône-Alpes	MED Partner	ERDF	0.00 €		Associate

5. A.5. Project statistic information

	KEEP	Kind of innovation	Kind of area
Type of synergies	Green technologies Knowledge and technology transfer Regional planning and development	Process	Coastal areas Urban areas Islands Rural areas Marine areas

- II - PART B - Project partners

1. B.1. Project partners

Partner number	Profile	Status
LP1	Chef de file	Active
Identification number of the organisation		1717
Name of the partner		National Research Council - Institute of Industrial Technologies and Automation
Abbreviation of the organisation		CNR
Main adress		PIAZZALE ALDO MORO 7 00185 Rome
Service		Institute of Industrial Technologies and Automation
Adress of the service		via Alfonso Corti 12 20133 Milano
NUTS3		Milano
NUTS2		Lombardia
Country		ITALY
Eligibility zone		MED Partner
Outside of the programme area		No
Category		Higher education and research
Type of administrative code		Fiscal code
National identifying number		80054330586
Is your organisation entitled to recover VAT?	No	
Legal status		Public
Role of the partner in the project		Institutional
2007–2013 programming period participation		No

Total staff of the partner structure		100 to 199
Partner number	Profile	Status
PP1	Partenaire	Active
Identification number of the organisation		2915
Name of the partner		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA
Abbreviation of the organisation		AFIL
Main adress		Via E.Oldofredi 23 20100 Milano
Service		
Adress of the service		
NUTS3		Milano
NUTS2		Lombardia
Country		ITALY
Eligibility zone		MED Partner
Outside of the programme area		No
Category		Business support organisation
Type of administrative code		[en] VAT identification number
National identifying number		08192390964
Is your organisation entitled to recover VAT?	No	
Legal status		Private
Role of the partner in the project		Operational

2007–2013 programming period participation		No
Total staff of the partner structure		1 to 4
Partner number	Profile	Status
PP2	Partenaire	Active
Identification number of the organisation		2927
Name of the partner		Associazione Cluster Marche Manufacturing
Abbreviation of the organisation		ACMM
Main address		Brecce Bianche 60131 Ancona
Service		
Address of the service		
NUTS3		Ancona
NUTS2		Marche
Country		ITALY
Eligibility zone		MED Partner
Outside of the programme area		No
Category		Business support organisation
Type of administrative code		Fiscal code
National identifying number		93137630427
Is your organisation entitled to recover VAT?	No	
Legal status		Private
Role of the partner in the project		Operational

2007–2013 programming period participation		No
Total staff of the partner structure		1 to 4
Partner number	Profile	Status
PP3	Partenaire	Active
Identification number of the organisation		2440
Name of the partner		EURECAT Foundation
Abbreviation of the organisation		EURECAT
Main address		Av. Universitat Autònoma 23 08290 Cerdanyola del Vallès (Barcelona)
Service		
Address of the service		
NUTS3		Barcelona
NUTS2		Cataluña
Country		SPAIN
Eligibility zone		MED Partner
Outside of the programme area		No
Category		Higher education and research
Type of administrative code		Tax Identification Number (TIN)
National identifying number		ESG66210345
Is your organisation entitled to recover VAT?	Yes	
Legal status		Private

Role of the partner in the project	Operational
2007–2013 programming period participation	Yes
Total staff of the partner structure	200 to 499

Partner number	Profile	Status
PP4	Partenaire	Active
Identification number of the organisation	1888	
Name of the partner	Pomurje Technology Park	
Abbreviation of the organisation	PTP	
Main adress	Plese 9a 9000 Murska Sobota	
Service		
Adress of the service		
NUTS3	Pomurska	
NUTS2	Vzhodna Slovenija	
Country	SLOVENIA	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	Business support organisation	
Type of administrative code	VAT identification number	
National identifying number	SI23632763	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	

Role of the partner in the project	Operational
2007–2013 programming period participation	No
Total staff of the partner structure	5 to 9

Partner number	Profile	Status
PP5	Partenaire	Active
Identification number of the organisation		2634
Name of the partner		Technology Park Ljubljana Ltd.
Abbreviation of the organisation		TPLJ
Main adress		Tehnoski park 19 1000 Ljubljana
Service		
Adress of the service		
NUTS3		Osrednjeslovenska
NUTS2		Zahodna Slovenija
Country		SLOVENIA
Eligibility zone		MED Partner
Outside of the programme area		No
Category		Business support organisation
Type of administrative code		VAT identification number
National identifying number		SI44444656

Is your organisation entitled to recover VAT?	Partially	Due to our operations and not-for-profit status we have two types of income / revenue i.e. where VAT is included and where VAT is not included (i.e. From EU cofunded projects etc). The relation between both categories of income is recoverable VAT. For the year 2015 (2014) TP Lj is able to recover 68 % of the VAT.
Legal status	Public	
Role of the partner in the project	Operational	
2007–2013 programming period participation	Yes	
Total staff of the partner structure	10 to 19	

Partner number	Profile	Status
PP6	Partenaire	Active
Identification number of the organisation	3056	
Name of the partner	Croatian Chamber of Economy	
Abbreviation of the organisation	CCE	
Main adress	Rooseveltov Trg 2 1000 Zagreb	
Service	County Chamber Varaždin	
Adress of the service		
NUTS3	Varaždinska županija	
NUTS2	Kontinentalna Hrvatska	
Country	CROATIA	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	Business support organisation	

Type of administrative code	Personal Identification Number (PIN)
National identifying number	HR85167032587
Is your organisation entitled to recover VAT?	No
Legal status	Public
Role of the partner in the project	Operational
2007–2013 programming period participation	No
Total staff of the partner structure	5 to 9

Partner number	Profile	Status
PP7	Partenaire	Active
Identification number of the organisation	3067	
Name of the partner	Cluster "Inteligentna Energija" d.o.o.	
Abbreviation of the organisation	CIE	
Main adress	Oreškovićeva 8j 10010 Zagreb	
Service		
Adress of the service		
NUTS3	Grad Zagreb	
NUTS2	Kontinentalna Hrvatska	
Country	CROATIA	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	Sectoral agency	

Type of administrative code	Personal Identification Number (PIN)	
National identifying number	HR49683432937	
Is your organisation entitled to recover VAT?	Yes	
Legal status	Private	
Role of the partner in the project	Operational	
2007–2013 programming period participation	No	
Total staff of the partner structure	1 to 4	

Partner number	Profile	Status
PP8	Partenaire	Active
Identification number of the organisation		3107
Name of the partner		Plastipolis
Abbreviation of the organisation		Plastipolis
Main adress		Rue Pierre et Marie Curie 180 10029 Oyonnax
Service		
Adress of the service		
NUTS3		Ain
NUTS2		Rhône-Alpes
Country		FRANCE
Eligibility zone		MED Partner
Outside of the programme area		No
Category		Business support organisation

Type of administrative code	Business/Institutions repertoire identification system	
National identifying number	48403397200015	
Is your organisation entitled to recover VAT?	Yes	
Legal status	Private	
Role of the partner in the project	Operational	
2007–2013 programming period participation	No	
Total staff of the partner structure	5 to 9	

Partner number	Profile	Status
PP9	Partenaire	Active
Identification number of the organisation	1682	
Name of the partner	Interbalkan Environment Center	
Abbreviation of the organisation	iBEC	
Main adress	18 Loutron 57200 Lagadas	
Service		
Adress of the service		
NUTS3	Θεσσαλονίκη	
NUTS2	Κεντρική Μακεδονία	
Country	GREECE	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	International organisation, EEIG	

Type of administrative code	Tax Registration Number	
National identifying number	EL998245478	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	No	
Total staff of the partner structure	20 to 49	

Partner number	Profile	Status
PP10	Partenaire	Active
Identification number of the organisation		4017
Name of the partner		Fraunhofer Institute for Machine Tools and Forming Technology
Abbreviation of the organisation		FRAUNHOFER
Main adress		HANSASTRASSE 27/C 80686 Munchen
Service		Fraunhofer Institute for Machine Tools and Forming Technology IWU Department Corporate Management
Adress of the service		Reichenhainer Str. 88 09126 Chemnitz
NUTS3		Chemnitz, Kreisfreie Stadt
NUTS2		Chemnitz
Country		GERMANY
Eligibility zone		Non MED EU Partner
Outside of the programme area		Yes

Category	Higher education and research	
Type of administrative code	VAT identification number	
National identifying number	DE129515865	
Is your organisation entitled to recover VAT?	Yes	
Legal status	Public	
Role of the partner in the project	Operational	
2007–2013 programming period participation	No	
Total staff of the partner structure	500 and more	

Partner number	Profile	Status
PP11	Partenaire	Associate
Identification number of the organisation		3664
Name of the partner		t2i – technology transfer and innovation
Abbreviation of the organisation		T2i
Main adress		via Roma, 4 31020 Treviso
Service		
Adress of the service		
NUTS3		Treviso
NUTS2		Veneto
Country		ITALY
Eligibility zone		MED Partner
Outside of the programme area		No

Category	Business support organisation	
Type of administrative code	[en] VAT identification number	
National identifying number	04636360267	
Is your organisation entitled to recover VAT?	Yes	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	Yes	
Total staff of the partner structure	20 to 49	

Partner number	Profile	Status
PP12	Partenaire	Associate
Identification number of the organisation		1679
Name of the partner		Marche Region
Abbreviation of the organisation		MARCHE
Main adress		Via Tiziano, 44 60125 Ancona
Service		
Adress of the service		
NUTS3		Ancona
NUTS2		Marche
Country		ITALY
Eligibility zone		MED Partner
Outside of the programme area		No

Category	Regional Public authority	
Type of administrative code	Fiscal code	
National identifying number	80008630420	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	Yes	
Total staff of the partner structure	500 and more	

Partner number	Profile	Status
PP13	Partenaire	Associate
Identification number of the organisation		3470
Name of the partner		Ministarstvo gospodarstva Republike Hrvatske
Abbreviation of the organisation		
Main adress		Ulica grada Vukovara 78 1000 Zagreb
Service		Directorate for Industry, Investments and EU Programmes and Projects
Adress of the service		
NUTS3		Grad Zagreb
NUTS2		Kontinentalna Hrvatska
Country		CROATIA
Eligibility zone		MED Partner

Outside of the programme area	No
Category	National Public authority
Type of administrative code	Personal Identification Number (PIN)
National identifying number	HR22413472900
Is your organisation entitled to recover VAT?	No
Legal status	Public
Role of the partner in the project	Institutional
2007–2013 programming period participation	No
Total staff of the partner structure	200 to 499

Partner number	Profile	Status
PP14	Partenaire	Associate
Identification number of the organisation		4294
Name of the partner		Catalan Agency for Business Competitiveness
Abbreviation of the organisation		ACCIO
Main adress		Passeig de Gràcia, 129 08008 Barcelona
Service		Business Innovation Unit
Adress of the service		
NUTS3		Barcelona
NUTS2		Cataluña
Country		SPAIN
Eligibility zone		MED Partner

Outside of the programme area	No
Category	Regional Public authority
Type of administrative code	Tax Identification Number (TIN)
National identifying number	ESS0800476D
Is your organisation entitled to recover VAT?	No
Legal status	Public
Role of the partner in the project	Institutional
2007–2013 programming period participation	Yes
Total staff of the partner structure	200 to 499

Partner number	Profile	Status
PP15	Partenaire	Associate
Identification number of the organisation		1882
Name of the partner		ASTER S.Cons.p.A.
Abbreviation of the organisation		ASTER
Main adress		Via P.Gobetti 101 40129 Bologna
Service		
Adress of the service		
NUTS3		Bologna
NUTS2		Emilia-Romagna
Country		ITALY
Eligibility zone		MED Partner

Outside of the programme area	No	
Category	Sectoral agency	
Type of administrative code	[en] VAT identification number	
National identifying number	03480370372	
Is your organisation entitled to recover VAT?	Partially	The Italian legislation Art . 72 DPR 633/1972 considers VAT recoverable if related costs that benefit the European grant. The VAT related to costs not funded is unrecoverable under Art.19 paragraph 2 of DPR 633/1972
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	No	
Total staff of the partner structure	50 to 99	

Partner number	Profile	Status
PP16	Partenaire	Associate
Identification number of the organisation	2250	
Name of the partner	REGION OF CENTRAL MACEDONIA	
Abbreviation of the organisation	RCM	
Main adress	Vas. Olgas 198 54110 Thessaloniki	
Service		
Adress of the service		
NUTS3	Θεσσαλονικη	
NUTS2	Κεντρική Μακεδονία	

Country	GREECE	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	Regional Public authority	
Type of administrative code	Tax Registration Number	
National identifying number	EL997612598	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	Yes	
Total staff of the partner structure	200 to 499	

Partner number	Profile	Status
PP17	Partenaire	Associate
Identification number of the organisation	4548	
Name of the partner	Saxon State Ministry for Economic Affairs, Labour and Transport	
Abbreviation of the organisation	SMWA	
Main address	Wilhelm-Buck-Straße 2 01097 Dresden	
Service	Division 36: Industry	
Adress of the service		
NUTS3	Dresden, Kreisfreie Stadt	
NUTS2	Dresden	

Country	GERMANY	
Eligibility zone	Non MED EU Partner	
Outside of the programme area	Yes	
Category	Regional Public authority	
Type of administrative code	VAT identification number	
National identifying number	DE111111111	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	No	
Total staff of the partner structure	500 and more	

Partner number	Profile	Status
PP18	Partenaire	Associate
Identification number of the organisation		4404
Name of the partner		Lombardy Region
Abbreviation of the organisation		
Main adress		P.zza Città di Lombardia, 1 24124 Milano
Service		Departement University, Research and Open Innovation
Adress of the service		
NUTS3		Milano
NUTS2		Lombardia

Country	ITALY	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	Regional Public authority	
Type of administrative code	Fiscal code	
National identifying number	80050050154	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	No	
Total staff of the partner structure	500 and more	

Partner number	Profile	Status
PP19	Partenaire	Associate
Identification number of the organisation		2862
Name of the partner		Regional office of companies, competition, consumption, work and employment Rhône-Alpes
Abbreviation of the organisation		DIRECCTE
Main adress		esplanade François Mitterrand 69269 Lyon
Service		
Adress of the service		
NUTS3		Rhône

NUTS2	Rhône-Alpes	
Country	FRANCE	
Eligibility zone	MED Partner	
Outside of the programme area	No	
Category	National Public authority	
Type of administrative code	Business/Institutions repertoire identification system	
National identifying number	43207199100017	
Is your organisation entitled to recover VAT?	No	
Legal status	Public	
Role of the partner in the project	Institutional	
2007–2013 programming period participation	No	
Total staff of the partner structure	500 and more	

1.1 B.1.1. Additional partner's information

	Name of partner in original language	If the partner is public	Partner structure annual total budget (in €)	Budget dedicated to EU programmes by the partner structure (in €)	Total staff of the partner structure (full time equivalent)	Staff dedicated to EU programmes (full time equivalent)
National Research Council - Institute of Industrial Technologies and Automation	Coniglio Nazionale delle Ricerche Itia Milano	Public	3.000.000 to 10.000.000 €	3000000	51 to 250	50
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	Associazione Fabbrica Intelligente Lombardia		500.000 € or less	100000	10 or less	2

Associazione Cluster Marche Manufacturing	Associazione Cluster MARche Manufacturing		500.000 € or less	25000	10 or less	1
EURECAT Foundation	Fundacio Eurecat		more than 10.000.001 €	7500000	251 to 500	20
Pomurje Technology Park	Pomurski tehnološki park	equivalent public	500.001 to 1.000.000 €	600000	10 or less	5
Technology Park Ljubljana Ltd.	Tehnoloski park Ljubljana d.o.o	equivalent public	3.000.000 to 10.000.000 €	300000	10 or less	5
Croatian Chamber of Economy	Hrvatska gospodarska komora – Županijska komora Varaždin	Public	500.000 € or less	60000	10 or less	4
Cluster "Inteligentna Energija" d.o.o.	Cluster "Inteligentna Energija" d.o.o.		500.000 € or less	39000	10 or less	2
Plastipolis	Plastipolis		1.000.001 to 3.000.000 €	150000	10 or less	1,5
Interbalkan Environment Center	Διαβαλκανικό Κέντρο Περιβάλλοντος (Diavalkaniko Kentro Perivallontos)	equivalent public	500.000 € or less	1230000	10 or less	25
Fraunhofer Institute for Machine Tools and Forming Technology	Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V. für das Fraunhofer Institut für Werkzeugmaschinen und Umformtechnik	equivalent public	more than 10.000.001 €	1000000	501 to 1.000	5
t2i – technology transfer and innovation	t2i – trasferimento tecnologico e innovazione	equivalent public	3.000.000 to 10.000.000 €	1000000	11 to 50	8
Marche Region	Regione Marche	Public	1.000.001 to 3.000.000 €	2500000	11 to 50	4
Ministarstvo gospodarstva Republike Hrvatske	Ministarstvo gospodarstva	Public	more than 10.000.001 €	5504700	251 to 500	38
Catalan Agency for Business Competitiveness	Agència per la competitivitat de l'empresa	Public	more than 10.000.001 €	31700000	51 to 250	14
ASTER S.Cons.p.A.	ASTER S.Cons. p.A.	equivalent public	3.000.000 to 10.000.000 €	2600000	51 to 250	20

REGION OF CENTRAL MACEDONIA	ΠΕΡΙΦΕΡΕΙΑ ΚΕΝΤΡΙΚΗΣ ΜΑΚΕΔΟΝΙΑΣ	Public	more than 10.000.001 €	5000000	11 to 50	17
Saxon State Ministry for Economic Affairs, Labour and Transport	Sächsisches Staatsministerium für Wirtschaft, Arbeit und Verkehr	Public	more than 10.000.001 €	30000	251 to 500	5
Lombardy Region	Regione Lombardia	Public	3.000.000 to 10.000.000 €	1500000	51 to 250	3
Regional office of companies, competition, consumption, work and employment Rhône-Alpes						

1.2 B.1.2. In the case of partners from outside the programme area

	Partners from outside the programme area	Which is the added value of the inclusion of this partner from outside of the programme area in the partnership?	Please confirm that the partner is aware about the requirements of the First Level Control in its country of origin and the feasibility of their application for the MED area.
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1	Fraunhofer Institute for Machine Tools and Forming Technology	<p>FRAUNHOFER / FhG IWU is</p> <p>1) Key Actor within the Vanguard Initiative: it coordinates, on behalf of Region Saxony, the ESM working group in cooperation with Lombardia and Cataluna</p> <p>2) Promoter of high quality concepts on green manufacturing: the selected Department is the Competence Center on green manufacturing</p> <p>3) Excellent methodological Partner</p> <p>Through its quality management and evaluation leading role it will guarantee a structured approach thanks to the recognized qualified knowledge and experience base of its organization external to the MED area, but strongly interested in project the results.</p> <p>The common interests on green growth, the institutional connections of the involved Region (Saxony) with involved MED Regions (Cataluna and Lombardy), the connections which will be established among the MED/non MED RIS 3 strategies and the established economic links with all MED Regions make the participation of this partner of high added value.</p>	yes
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1.3 B.1.3. Finance by partner

National Research Council - Institute of Industrial Technologies and Automation

Co-financing source		ERDF
Amount		
ERDF	263,500.00 €	Co-financing rate
		85.00 %

Partner contribution	46,500.00 €
Total eligible budget	310,000.00 €

AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA

Co-financing source	ERDF
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Amount		
ERDF	144,500.00 €	Co-financing rate
		85.00 %
Partner contribution	25,500.00 €	
Total eligible budget	170,000.00 €	

Associazione Cluster Marche Manufacturing

Co-financing source	ERDF
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Amount		
ERDF	110,500.00 €	Co-financing rate
		85.00 %
Partner contribution	19,500.00 €	
Total eligible budget	130,000.00 €	

EURECAT Foundation

Co-financing source		ERDF
Amount		
ERDF	195,500.00 €	Co-financing rate
		85.00 %
Partner contribution		34,500.00 €
Total eligible budget		230,000.00 €

Pomurje Technology Park

Co-financing source		ERDF
Amount		
ERDF	110,500.00 €	Co-financing rate
		85.00 %
Partner contribution		19,500.00 €
Total eligible budget		130,000.00 €

Technology Park Ljubljana Ltd.

Co-financing source		ERDF
Amount		
ERDF	136,000.00 €	Co-financing rate
		85.00 %

Partner contribution	24,000.00 €
Total eligible budget	160,000.00 €

Croatian Chamber of Economy

Co-financing source	ERDF
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	Amount	
ERDF	136,000.00 €	Co-financing rate
		85.00 %

Partner contribution	24,000.00 €
Total eligible budget	160,000.00 €

Cluster "Inteligentna Energija" d.o.o.

Co-financing source	ERDF
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	Amount	
ERDF	110,500.00 €	Co-financing rate
		85.00 %

Partner contribution	19,500.00 €
Total eligible budget	130,000.00 €

Plastipolis

Co-financing source		ERDF
Amount		
ERDF	195,500.00 €	Co-financing rate
		85.00 %
Partner contribution		34,500.00 €
Total eligible budget		230,000.00 €

Interbalkan Environment Center

Co-financing source		ERDF
Amount		
ERDF	170,000.00 €	Co-financing rate
		85.00 %
Partner contribution		30,000.00 €
Total eligible budget		200,000.00 €

Fraunhofer Institute for Machine Tools and Forming Technology

Co-financing source		ERDF
Amount		
ERDF	170,000.00 €	Co-financing rate
		85.00 %

Partner contribution	30,000.00 €
Total eligible budget	200,000.00 €

1.4 B.1.4. Origin of partner contribution

National Research Council - Institute of Industrial Technologies and Automation

Is the partner using own contribution?	No
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Name of the partner/Contribution source	Legal status	% of total partner contribution	Amount
Interministerial Committee of Economic Planning (CIPE)	Public	100.00%	46,500.00 €
Sub-total public contribution		100.00%	46,500.00 €
Sub-total private contribution		0.00%	0.00 €
Total		100.00%	46,500.00 €

AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA

Is the partner using own contribution?	Yes
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Associazione Cluster Marche Manufacturing

Is the partner using own contribution?	Yes
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EURECAT Foundation

Is the partner using own contribution?	Yes
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Pomurje Technology Park

Is the partner using own contribution?	Yes
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Technology Park Ljubljana Ltd.

Is the partner using own contribution?	Yes
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Croatian Chamber of Economy

Is the partner using own contribution?	Yes
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Cluster "Inteligentna Energija" d.o.o.

Is the partner using own contribution?	Yes
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Plastipolis

Is the partner using own contribution?	Yes
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Interbalkan Environment Center

Is the partner using own contribution?	No
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Name of the partner/Contribution source	Legal status	% of total partner contribution	Amount
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Ministry of Finance	Public	100.00%	30,000.00 €
Sub-total public contribution		100.00%	30,000.00 €
Sub-total private contribution		0.00%	0.00 €
Total		100.00%	30,000.00 €

Fraunhofer Institute for Machine Tools and Forming Technology

Is the partner using own contribution?	Yes
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1.5 B.1.5. Net revenues

National Research Council - Institute of Industrial Technologies and Automation

Does the partner foresee any net revenues in the framework of the project?	No
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AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA

Does the partner foresee any net revenues in the framework of the project?	No
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Associazione Cluster Marche Manufacturing

Does the partner foresee any net revenues in the framework of the project?	No
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EURECAT Foundation

Does the partner foresee any net revenues in the framework of the project?	No
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Pomurje Technology Park

Does the partner foresee any net revenues in the framework of the project?	No
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Technology Park Ljubljana Ltd.

Does the partner foresee any net revenues in the framework of the project?	No
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Croatian Chamber of Economy

Does the partner foresee any net revenues in the framework of the project?	No
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Cluster "Inteligentna Energija" d.o.o.

Does the partner foresee any net revenues in the framework of the project?	No
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Plastipolis

Does the partner foresee any net revenues in the framework of the project?	No
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Interbalkan Environment Center

Does the partner foresee any net revenues in the framework of the project?	No
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Fraunhofer Institute for Machine Tools and Forming Technology

Does the partner foresee any net revenues in the framework of the project?	No
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t2i – technology transfer and innovation

Does the partner foresee any net revenues in the framework of the project?	No
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Marche Region

Does the partner foresee any net revenues in the framework of the project?	No
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Ministarstvo gospodarstva Republike Hrvatske

Does the partner foresee any net revenues in the framework of the project?	No
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Catalan Agency for Business Competitiveness

Does the partner foresee any net revenues in the framework of the project?	No
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ASTER S.Cons.p.A.

Does the partner foresee any net revenues in the framework of the project?	No
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REGION OF CENTRAL MACEDONIA

Does the partner foresee any net revenues in the framework of the project?	No
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Saxon State Ministry for Economic Affairs, Labour and Transport

Does the partner foresee any net revenues in the framework of the project?	No
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Lombardy Region

Does the partner foresee any net revenues in the framework of the project?	No
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Regional office of companies, competition, consumption, work and employment Rhône-Alpes

Does the partner foresee any net revenues in the framework of the project?	No
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1.6 B.1.6. Contacts

National Research Council - Institute of Industrial Technologies and Automation

Legal representative	Tullio Tolio via A. Corti 12 20133 Milano Lazio Roma ITALY direzione.itia@itia.cnr.it
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AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA

Legal representative	Stefano Maria Scaglia Via E.Oldofredi 23 20100 Milano Lombardia Milano ITALY segreteria@afil.it
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Contact person	Alessandro Marini Via E.Oldofredi 23 20100 Milano Lombardia Milano ITALY alessandro.marini@afi.it
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Associazione Cluster Marche Manufacturing

Legal representative	Rosaria Ercoli Brecce Bianche 60131 Ancona Marche Ancona ITALY presidenza@marche-manufacturing.it
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EURECAT Foundation

Legal representative	Xavier Lopez Av. Universitat Autònoma 23 08290 Cerdanyola del Vallès (Barcelona) Cataluña Barcelona SPAIN info@eurecat.org
Contact person	Jordi Romero Av. Universitat Autònoma 23 08290 Cerdanyola del Vallès (Barcelona) Cataluña Barcelona SPAIN jordi.romero@eurecat.org 0034935944700

Pomurje Technology Park

Legal representative	Marko Močnik Plese 9a 9000 Murska Sobota Vzhodna Slovenija Pomurska SLOVENIA marko@p-tech.si 00386 2 530 8210
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Contact person	Borut Zrim Plese 9a 9000 Murska Sobota Vzhodna Slovenija Pomurska SLOVENIA borut@p-tech.si +38625308220
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Technology Park Ljubljana Ltd.

Legal representative	Iztok LESJAK Tehnološki park 19, SI 1000 Ljubljana Zahodna Slovenija Osrednjeslovenska SLOVENIA info@tp-lj.si +386 1 6203 403
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Croatian Chamber of Economy

Legal representative	Luka Burilović Rooseveltovo trg 2 1000 Varaždin Kontinentalna Hrvatska Varaždinska županija CROATIA predsjednik@hgk.hr 00385 (0)1 456-1712
Contact person	Renata Papec P. Preradovića 17 42000 Varaždin Kontinentalna Hrvatska Varaždinska županija CROATIA rpapec@hgk.hr 00385 42 405 480

Cluster "Inteligentna Energija" d.o.o.

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Plastipolis

Legal representative	Patrick Vuillermoz Rue Pierre et Marie Curie 180 10029 Oyonnax Rhône-Alpes Ain FRANCE patrick.vuillermoz@plastipolis.fr
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Interbalkan Environment Center

Legal representative	Stamatios-Eleftherios Tsiakiris 18 Loutron Str. GR 57200 LAGADAS Κεντρική Μακεδονία Θεσσαλονίκη GREECE info@i-bec.org 0030 23940 23485
Contact person	George Zalidis 18 Loutron Str, Lagadas 572 00 Lagadas Κεντρική Μακεδονία Θεσσαλονίκη GREECE zalidis@i-bec.org +302394023485

Fraunhofer Institute for Machine Tools and Forming Technology

Legal representative	Valentina Kojic HANSASTRASSE 27/C 80686 Munchen Oberbayern München, Landkreis GERMANY valentina.kojic@zv.fraunhofer.de 0049 89 1205-2737
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t2i – technology transfer and innovation

Legal representative	Roberto Santolamazza via Roma, 4 31020 Treviso Veneto Treviso ITALY direzione.innovazione@t2i.it 0039 0422 1742100
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Marche Region

Legal representative	Patrizia Sopranzi Via Tiziano 44 60125 Ancona Marche Ancona ITALY patrizia.sopranzi@regione.marche.it +39 718063337
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Ministarstvo gospodarstva Republike Hrvatske

Legal representative	Martina Dalić Ulica grada Vukovara 78 10000 Zagreb Kontinentalna Hrvatska Grad Zagreb CROATIA ministar@mingo.hr +385 01 6106111
Contact person	

Catalan Agency for Business Competitiveness

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ASTER S.Cons.p.A.

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REGION OF CENTRAL MACEDONIA

Legal representative	Apostolos Tzitzikostas VASSILISSIS OLGAS 198 54110 THESSALONIKI Κεντρική Μακεδονία Θεσσαλονίκη GREECE a.tzitzikostas@pkm.gov.gr 00302313319511
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Saxon State Ministry for Economic Affairs, Labour and Transport

<p>Legal representative</p>	<p>Lutz Bryja Wilhelm-Buck-Straße 2 01097 Dresden Dresden Dresden, Kreisfreie Stadt GERMANY lutz.bryja@smwa.sachsen.de</p>
<p>Contact person</p>	<p>Jochen Donauer Wilhelm-Buck-Straße 2 01097 Dresden Dresden Dresden, Kreisfreie Stadt GERMANY jochen.donauer@smwa.sachsen.de</p>

Lombardy Region

<p>Legal representative</p>	<p>Roberto Albonetti P.zza Città di Lombardia, 1 24124 Milano Lombardia Milano ITALY Roberto_albonetti@regione.lombardia.it</p>
<p>Contact person</p>	

Regional office of companies, competition, consumption, work and employment Rhône-Alpes

Legal representative	Stephane Gibodau esplanade François Mitterrand 69269 Lyon Rhône-Alpes Rhône FRANCE sgiboudaud@rhonealpes.fr
Contact person	Hortense Lutz Hermellin esplanade François Mitterrand 69269 Lyon Rhône-Alpes Rhône FRANCE Hortense.LUTZ-HERMELLIN@auvergnerhonealpes.eu

1.7 B.1.7. Former experience

	Is the partner going to participate in another proposal submitted in the present call for proposals?	Name (acronym) of the proposals	Which are the organisation's thematic competences and experiences relevant for the project?	Comment on by organisation's thematic competences and experiences	Role of the partner in the project	What is the benefit for the organisation from participating in the project?

<p>National Research Council - Institute of Industrial Technologies and Automation</p>	<p>No</p>	<p>N/A</p>	<p>Methodology</p>	<p>ITIA (Institute of Industrial Technology and Automation) is a public research and innovation Institute of the CNR (National Research Centre of Italy) engaged in European, National and Regional manufacturing innovation and policies. It is a founding member of AFIL and of the Italian Intelligent Factory National Cluster. In the frame of AFIL activities, it is currently leading together with Eurecat the VANGUARD pilot on "Efficient and Sustainable Manufacturing". ITIA conceived in VANGUARD ESM the trans-national methodology that will be the object of the testing in GREENOMED. Thus, partner experience relates to methodology, Clusters cooperation and innovation state of the art and policies in green manufacturing.</p>	<p>scientific</p>	<p>As a research and innovation Institution, CNR-ITIA will benefit of the trans-national cooperation by being included into multi-regional project teams of high critical mass and complementary competences for the development of projects of pilot plants of high priority. As an actor participating to Regional policy making, the benefit will consist in the setup of a structured and stable process to cooperate with other Regions in the logic of smart specialization in order to identify bottom-up priorities that can be the input to address Regional innovation funding. As a founding member of AFIL, the benefit will be to increase and empower the international cooperation of the Regional Cluster representing Lombardy manufacturing stakeholders.</p>
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AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	No	N/A	Transfer	<p>AFIL is the regional cluster affiliated to the national CFI cluster.</p> <p>It has a methodology for the involvement of companies in R&D activities, identifying their priorities and matching with the research offered thus facilitating transfer and innovation processes. With this methodology, a technology roadmap has been developed, which nowadays constitutes the base for the manufacturing development strategy of Lombardy region.</p> <p>AFIL is also very active in creating networking opportunities for its associates, connecting them with technology providers as well as business partner to transform research into applications.</p> <p>AFIL coordinates the Vanguard ESM (Efficient and Sustainable Manufacturing) working group on behalf of the Lombardy Region.</p>	operational	<p>GREENOMED will allow a technology transfer among involved regions and this is perfectly in the nature of the cluster. One of the main objective of AFIL as a cluster is the international cooperation among industry and research centres in order to increase the competitiveness of European manufacturing companies. This is particularly useful for SMEs which need support for internationalization and for establish and international network. GREENOMED will contribute significantly to this main objective of cluster and increase the transnational activities and innovative services offered by the cluster. Last but not least it will reinforce its cooperation with the Region extending it with a transnational vision.</p>
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Associazione Cluster Marche Manufacturing	No	N/A	Transfer	<p>Its main expertise lies in the creation of effective business and innovation networks among enterprises, universities and research institutes.</p> <p>The mission is therefore mainly based with the transfer of knowledge and know-how from R&D / Academia to SMEs.</p> <p>It has a stable connection with Regional Authority to transfer innovation inputs and R&D priorities to the regulatory field.</p> <p>It permanently monitors manufacturing needs and matches regional clustering priorities with national ones (together with CFI – Cluster Fabbrica Intelligente Italy).</p> <p>It has put energy efficiency as one of the innovation priorities for its members.</p>	operational	<p>GREENOMED will strengthen the networking capacity of the cluster and improve our competences in the field of energy efficient manufacturing systems thus bringing immediate benefits (in terms of new services) to all our associated.</p> <p>It will introduce innovative transnational cluster services focused on efficient energy in manufacturing systems. Thanks to the foreseen activities, our cluster will be able to extend its range of services and design green growth manufacturing related support services with a transnational approach.</p> <p>Last but not least it will reinforce the current cooperation with the Region with a view to further increase the quality of the implementation process of RIS3.</p>
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EURECAT Foundation	No	N/A	Transfer	<p>As a technology transfer centre and cluster, EURECAT generates value through applied R+D, innovation and intensive knowledge services orientated towards improvements in competitiveness and business efficiency in differing sectors, mainly manufacturing.</p> <p>A multidisciplinary and international team from the industrial and digital fields work on more than 160 highly strategic applied R & D projects which aim to acquire new transferable knowledge</p> <p>EURECAT is one of the coordinators – with AFIL and Fhg IW of the pilot action “Efficient and Sustainable Manufacturing - ESM” within the Vanguard Initiative.</p> <p>It has therefore thematic competence, knowledge about the method and operational capacity to contribute to the transfer process, both outside.</p>	operational	<p>The participation will provide new knowledge related to the implementation of the methodology defined within the Vanguard pilot initiative “ESM – Efficient and Sustainable Manufacturing”.</p> <p>Relevant knowledge on how to support SMEs to setup and industrialize innovative products, manufacturing processes and technologies to increase energy efficiency in manufacturing.</p> <p>EURECAT will also benefit from the experience of interregional cooperation in terms of sharing good practises in pilot plants setting up, innovation transference towards companies, especially SMEs, interconnecting stakeholders from the quadruple helix in the best suitable way, and fostering the implementation of RIS3 strategies into the territory.</p>
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Pomurje Technology Park	Yes	FEEL MED	Development	<p>It is a supportive business environment for the development of technology based companies (120), covering 10 industry fields, providing its members infrastructure, services, target oriented trainings, mentoring and promotion, audits & internationalization, linking them to foreign developmental, research, financial and market actors.</p> <p>It's focus is on knowledge, experience & technology transfer.</p> <p>It has community of 120 SMEs.</p> <p>As a co-founder of Slovene Association of Technology Parks and Business Incubators (cluster) has the reach to over 1000 SMEs.</p> <p>It is the only TP in Slovenia focused on Manufacturing industry support, related to SMART Industry (energy efficiency & smart factories).</p> <p>Is an observing body of RIS3 implementation.</p>	operational	<p>The participation will allow to test a method which fits to the industrial priorities set by our development/innovation agenda (and to the innovation agenda of our industrial members).</p> <p>It will also open a new transnational service area decated to green manufacturing and enable connections with more technological advanced MED areas.</p> <p>The pilots will also enable to rethink the industrial investment agenda conected with the RIS3 priorities and help us to qualify our financial / investors agenda with a view to attract capitals for green manufacturing investments.</p> <p>In cooperation with Lubjana, we will increase our operational qualification with the Ministry of Economy providing inputs for RIS3 monitoring.</p>
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Technology Park Ljubljana Ltd.	Yes	ChIMERA	Development	<p>TPLj is an innovation hub supporting talents & companies with specialised support services, coaching, innovation audits and access to funding. It is a bridge between SMEs and big companies which identifies start-ups with a strategic match. It covers 14 industry fields and supports, among others, 22 enterprises in energy technologies 43 enterprises in industrial technologies 2 enterprise in automation. At regional level it runs a programme for raising regional business and innovation activities called Start:up Ljubljana programme. TP's staff provides access to information and knowledge in the field of time management, lean methodologies, key content marketing, innovation process management, investment readiness, technology.)</p>	operational	<p>Participation to GREENOMED will allow us to benchmark existing support measures, expand our transnational approach to cluster member support, exchange of good practices and new approaches, necessary to improve the innovation ecosystem by implementing tools and measures promoting the interregional cooperation on technology and greengrowth.</p> <p>The transfer process will increase our capacity to increase the quality of our smart and green growth processes and be one of the leading actors in Slovenia able to support enterprises to increase the quality of our manufacturing system.</p> <p>In cooperation with Promurje, we will increase our operational qualification with the Ministry of Economy providing inputs for RIS3 monitoring.</p>
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Croatian Chamber of Economy	No	N/A	Transfer	<p>The principal objectives and competences which have been created are: building of strategic alliances (Textile-cluster, Leather-cluster, Wood-cluster, Metal-cluster), organisation of education and improvement of knowledge in the economy, creation of the most favourable investment environment in Croatia and stimulation of innovative activities.</p> <p>Business education / training support this process. These activities are focused on training for key executive staff or in specific professional skills. The Varazdin Chamber organizes business education since 1997. and has assigned in total 850 certificate for different curricula.</p> <p>Through training and education the Chamber boosts innovation in enterprises, authorities and cluster managers.</p>	institutional	<p>The transfer mechanism will increase our trans-national approach to research and innovation, industrial clusters and policy makers in the MED area. GREENOMED will enable synergy among relevant actors (the involved Cluster will provide the base for this new service based cooperation mechanisms).</p> <p>GREENOMED is very important source of knowledge and competences for future operation of the Cluster of Excellence for manufacturing industry which will be established in the forthcoming period and for which we have significant interest and needs coming from industrial sector. We expect to introduce complex knowledge of technology transfer processes to business sector in order to increase energy efficiency.</p> <p>We expect benefits also for our RIS3.</p>
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<p>Cluster "Inteligentna Energija" d.o.o.</p>	<p>No</p>	<p>N/A</p>	<p>Development</p>	<p>„Inteligentna Energija“ has developed competences in the promotion of energy efficiency and of the sustainable development concepts among relevant stakeholders in Croatia. It has capacities in strengthening co-operation of relevant actors on National level and through the “triple helix” approach. It has experience in supporting joint appearance on domestic and foreign markets as well as in creation and implementation of business ventures. It has knowledge and expertise in development of technological solutions and capacities in transferring experience. Furthermore the cluster has acquired experience in animating support of financial institutions in order to implement innovative projects.</p>	<p>operational</p>	<p>„Inteligentna Energija“ will increase competences in a) knowledge transfer to Cluster Members b) transfer to other sectorial clusters interested in green manufacturing in Croatia It will directly benefit from the knowledge transfer from most advanced manufacturing regions of GREENOMED. Other benefits: a) participation in trans-regional communities and acquire knowledge to set up transnational services which will contribute to increase innovation of cluster members, as well as trade missions, better identification of private and public funding opportunities for innovation projects; b) networking and participation in international cluster networks; c) increased capacities in facilitation of new and future transnational projects.</p>
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Plastipolis	Yes	InNOlitter	Networking	<p>Plastipolis, as a cluster, gathers a significant network of members (more than 400) and in its European experience to create a large network of contact. It has developed 4 main domains of action: 1) Technology transfer (it covers 16 domain areas within the plastic industry); 2) Training; 3) International cooperation; 4) Fostering innovation in SMEs and Corporations.</p> <p>It covers all relevant expertise and know how to test a method, transfer it to members as well as to actors which are outside the cluster borders.</p>	operational	<p>Plastipolis will first of all enter the VANGUARD method and benefit from the extended potential of its community. Furthermore it will increase the "green manufacturing" focus of its services and introduce energy efficient manufacturing pilots as benchmarks for its "green services" to cluster members. It will also allow to extend the transnational dimension of the services by including a new service area.</p> <p>Plastipolis is involved in working groups on regional S3 strategies. With this project Plastipolis will have the opportunity to close collaborate with "VANGUARD ESM Pilot initiative" partner.</p> <p>Further this project will bring to Plastipolis significant data on Mediterranean manufacturing activities.</p>
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Interbalkan Environment Center	Yes	Development and application of selected indicators to ECO-destinations in the context of Integrated Coastal Zone Management (ICZM) in the MEDiterranean area, ECO-ICZN-MED	Communication	<p>i-BEC is a public scientific cluster which promotes a collaborative approach to sustainable management and protection of natural resources that fosters harmonious socio-economic development in the broader Balkan region.</p> <p>It offers solutions to respond to environmental and developmental needs. Specifically, it provides</p> <ol style="list-style-type: none"> 1) scientific support to government structures for implementing strategies and policies as well as for sustaining development at local, regional, national and international level 2) supports the improvement of competitiveness of the private sector through sustainable use of natural resources in production processes and activities <p>It has therefore scientific and operational capacity to be an actor of the pilot/transfer process.</p>	institutional	<p>The main benefits will be</p> <ol style="list-style-type: none"> 1. Access to a high quality source of green industry know how 2. Enhanced organisations performance through the project itself and the insights gained. 3. to be known to stakeholders and increase connections to industry 4. further connect our cluster activity and know how to regional RIS3 with a new thematic focus on green manufacturing 5. Improved development and growth within the team 6. Extend knowledge on energy efficiency and sustainable manufacturing processes and technologies thus extending the range of services that can be delivered to beneficiaries / customers of our organization 7. implementation of innovative transnational services on green manufacturing
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<p>Fraunhofer Institute for Machine Tools and Forming Technology</p>	<p>No</p>	<p>N/A</p>	<p>Methodology</p>	<p>The Fraunhofer Institute for Machine Tools and Forming Technology IWU (FRAUNHOFER / FhG IWU) is one of the most renowned research institutes for industrially-led production technology in Germany. At its department “Corporate Management”, methods and tools for the factory planning of low-energy production systems and sites, the energy-aware planning and scheduling of manufacturing processes, for data and information management and linked data applications are developed. Additional research is focused on software engineering using innovative information technologies to store, analyse and visualise huge amount of data (Big Data), acquired from different data sources in public and production area.</p>	<p>scientific</p>	<p>GREENOMED is a strategic liaison and project development of further projects, research and technical initiatives of FRAUNHOFER / FhG IWU and it will especially extend its cooperation outreach to the MED areas.</p> <p>GREENOMED will contribute to put into practice VANGUARD methodology by extending its potential to a transregional cooperation network and this process - as active members of the VANGUARD Initiative - will be extremely relevant to further jointly develop green growth oriented policies.</p> <p>Knowledge transfer and exchange</p>
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<p>t2i – technology transfer and innovation</p>	<p>No</p>	<p>N/A</p>	<p>Transfer</p>	<p>t2i Technology Transfer and Innovation is the innovation agency promoted by the Treviso and Rovigo chambers of commerce and set up in 2014 to integrate the activities, projects, human resources and infrastructures of Treviso Tecnologia and Polesine Innovazione.</p> <p>t2i supports companies in defining and developing innovative pathways through the establishment of networks for technology transfer and the deployment of value-added services for industries and organisations also by means of co-funding programmes at local and european level.</p> <p>t2i is registered on the national research registry of the Italian Ministry of education and research and belongs to the university laboratories network & to the laboratories network of the Italian CoC system.</p>	<p>institutional</p>	<p>T2i will increase its knowledge and connections with the VANGUARD community and incorporate the methodology to identify efficient energy plants in its organization.</p> <p>This will allow T2i to become the regional interface for further transfer purposes.</p> <p>Additionally GREENOMED will provide the ground to design new transnational services for T2i members on green manufacturing methods, systems and technologies.</p>
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<p>Marche Region</p>	<p>Yes</p>	<p>MedInno – Facilitating Mediterranean innovation in Advanced manufacturing</p>	<p>Capitalisation</p>	<p>The Region has direct competences in the field of smart specialization strategy and has thematic competence on economy, R&D and innovation.</p> <p>It is responsible for identifying ERDF resource allocation and investment priorities. Therefore it has the competences to understand the process, interact with Cluster Marche Manufacturing and identify - where relevant - concrete actions to be adopted at regional level to support energy efficient manufacturing projects.</p>	<p>institutional</p>	<p>The Region will benefit from increased knowledge about green manufacturing, processes and roadmaps for implementing sustainable pilot plants. This knowledge will allow - where relevant - to align smart specialization strategies with advanced European standards in green and sustainable growth in the industry sector. Additionally, thanks to the evidences of the pilots, it may</p> <ul style="list-style-type: none"> a) increase the quality and effectiveness of resource allocation at regional level within the Operational Programme 2014 - 2020 b) stimulate anchoring mechanisms between regional innovation initiatives and European ones (trans-regional cooperation on green growth)
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Ministarstvo gospodarstva Republike Hrvatske	Yes	"Mediterranean Innovation system, tools and services for the synergic implementation of smart specialization strategies"	Capitalisation	<p>The Ministry has direct competences in the field of smart specialization strategy and has thematic competence on economy, R&D and innovation.</p> <p>It is responsible for identifying ERDF resource allocation and investment priorities. Therefore it has the competences to understand the process, interact with Chambers of Commerce of Varazdin as well as with Cluster Enerjia and identify - where relevant - concrete actions to be adopted at national level to support energy efficient manufacturing projects.</p> <p>Also it is in the position to understand and eventually incorporate inputs for the future Cluster of Excellence for manufacturing industry.</p>	institutional	<p>GREENOMED will help to better understand the challenges of the green manufacturing and help in re-evaluating the strategic framework for industrial development of Croatia, namely the Industrial Strategy of Croatia and Innovation Strategy of Croatia. As being very active in managing the competitiveness clusters in Croatia (http://www.aik-invest.hr/konkurentnost/klasteri-konkurentnosti/), the tools and methodologies of the Project will help further development of cluster initiatives which the Ministry will support from the ESI funds 2014 – 2020.</p>
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<p>Catalan Agency for Business Competitiveness</p>	<p>No</p>	<p>N/A</p>	<p>Development</p>	<p>ACCIÓ's different programmes promote innovation, internationalization and investment in Catalonia. For R+D and Innovation projects, ACCIÓ is the connection to Catalonia's Technological Centres, united under the TECNIO brand, which are close partners with companies that need to develop or incorporate new technologies, materials or solutions. Furthermore, ACCIÓ helps create research groups and obtain financing to support companies in terms of their technological needs. Therefore ACCIO has the competences and role to enable regional policy transfer of the evidences provided by Eurecat during the pilot and transferring activities.</p>	<p>institutional</p>	<p>GREENOMED will improve the trans-regional cooperation capacity of innovative clusters or similar entities, that will be the actors implementing the methodology based on the pilot initiative "ESM - Efficient and Sustainable Manufacturing" (co-coordinated by Catalonia and Lombardy). These actors will offer new services to public and private actors for the establishment of relevant innovation for a more sustainable and competitive manufacturing in the MED area. The application of the methodology will also provide relevant inputs for the constant assessment and update of regional S3 strategies by Regional Managing Authorities.</p>
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<p>ASTER S.Cons.p.A.</p>	<p>Yes</p>	<p>CHEBEC, MEDINNO</p>	<p>Transfer</p>	<p>ASTER is the Consortium including Emilia-Romagna regional administration, the Universities located in the regional territory, the National Research Council (CNR), the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), The National Institute for Nuclear Physics (INFN), and the Chambers of Commerce regional system working in collaboration with the industrial associations. Starting from 2007, the Emilia-Romagna High Technology Network was structured in 6 Thematic Platforms in order to promote competencies and assure a research offer across the regional territory in line with the requests for technology innovation conveyed by the business sector. Energy and Environment Platform will be involved.</p>	<p>institutional</p>	<p>As Innovation agency in Emilia-Romagna, ASTER has strong interest in enlarging its knowledge about international experiences concerning innovation and technology transfer support. Manufacturing is one of the specialisation areas in the RIS3 and several measures have been planned in favour of sustainable manufacturing techniques to be applied in the companies.</p>
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<p>REGION OF CENTRAL MACEDONIA</p>	<p>Yes</p>	<p>NOEMeD, INNOWAVES, InnoSUMP, Med ECO-ICZM-MED</p>	<p>Capitalisation</p>	<p>The Region represent the authority in charge of implementing RIS3 strategy. Competences range between regulatory processes to operational interventions in the field of economy, R&D and innovation. The major competence which will be introduced to the project is the willingness and capacity of transferring results to other Clusters and policy makers. Given this, it has the competences and authority to understand the process, interact with Interbalkan Environmental Center and identify - where relevant - concrete actions to be adopted at regional level to support energy efficient manufacturing projects.</p>	<p>institutional</p>	<p>GREENOMED will assist the implementation and further planning of the regional policies that are included in the RIS3 and ROP (Regional Operational Program) of the Region of Central Macedonia. The knowledge acquired will allow - where relevant - to align smart specialization strategies with advanced European standards in green and sustainable growth in the industry sector. Specifically, the Region will benefit from: - Diffusion and dissemination activities; - Events to establish the transfer process; - connections with other regional authorities.</p>
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<p>Saxon State Ministry for Economic Affairs, Labour and Transport</p>	<p>No</p>	<p>N/A</p>	<p>Capitalisation</p>	<p>The State is among the founders of the Vanguard Region and has identified internal organizational structure to follow the innovation processes of manufacturing's future. Its permanent connections with Research Institutes and Enterprises allow the region to have insight of state of the art of manufacturing trends and to be able to suggest policy interventions to stimulate the raise of sustainable manufacturing systems.</p>	<p>institutional</p>	<p>The KET Advanced Manufacturing is a priority in the RIS3 of Saxony including a focus on pilot lines. SMWA has considerable experience regarding concepts for (open access) pilot lines based on European cooperation. In the project we expect mutual learning about the concepts and approaches for Advanced Manufacturing pilot lines. We are especially interested in synergies between European regions.</p>
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Lombardy Region	Yes	Only as Associated Partner	Capitalisation	<p>The Region is among the founders of the VANGUARD initiative and has delegated to AFIL the coordination work of the ESM working group.</p> <p>The Region has a specific competence on innovation and on creating connections to the RIS3 regional smart specialization strategy.</p> <p>It has the competences and role to enable regional policy transfer of the evidences provided by the Lead Partner and AFIL during the pilot and transferring activities.</p> <p>It is the managing authority of the European Regional Development Funds.</p>	institutional	<p>GREENNOMED addresses an innovation action related to our Smart Specialization Strategy which has sustainable manufacturing as one of the main driving pillars..</p> <p>Manufacturing is an important pillar of economy, since it has a relevant impact on economy, occupation and social welfare, as well as on the environment.</p> <p>According to our RIS3, the improvement of the environmental performance of industry has a direct relation with the increase of the competitiveness to support and boost innovation in Industry.</p> <p>For each specialisation area, macro thematic work programs tackling manufacturing challenges have been defined.</p> <p>One of the highest-priority challenges is "Manufacturing systems for Sustainability" which is clearly in line with GREENNOMED.</p>
Regional office of companies, competition, consumption, work and employment Rhône-Alpes						

1.8 B.1.8. Other former experience

	Did the partner already participate in a MED Programme project (programming period 2007-2013)?	If yes, precise the projects acronym:	When relevant, describe the organisation's experience in participating in and/or managing EU co-financed projects (only programming period 2007-2013) or other international projects.
National Research Council - Institute of Industrial Technologies and Automation	No	N/A	CNR-ITIA was involved in 24 European projects in the period 2011-2014. It coordinated 6 of them and had a role of WP leader in the others, including also the role of dissemination leader. The majority of projects were in FP7 NMP and Factory of the Future Programme. The topics of projects dealt with technologies and business models for manufacturing innovation. CNR-ITIA was a promoter of the European Manufature Technology platform and participates to its roadmapping activity in the frame of its High Level Group. It is also a member of EFFRA – the European Factory of the Future Research Association and participates to its Industrial Advisory Research Group for the elaboration of the EFFRA Multiannual Roadmap.
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	No	N/A	No experience referred to the 2007-2013 programming period. AFIL is currently partner of a Factory of the future initiative under the Horizon 2020 programme.
Associazione Cluster Marche Manufacturing	No	N/A	Associazione Cluster Marche Manufacturing did not participate in and/or managed EU cofinanced projects, as it was founded in 2013.

EURECAT Foundation	Yes	CREAMED	<p>As a result of the integration of technological centers Ascamm, Barcelona Digital, Barcelona Media and Cetemmsa, as of 1st May 2015, EURECAT has created the new team of Public Programmes.</p> <p>The team is is made up of 24 people, with experience in fundraising public national and International projects, project management and project coordination, as well as legal, administrative and Financial management.</p> <p>EURECAT has currently 127 R & D projects running, of which 67 are international and 60 are national and regional levels. Among the international projects, 59 major projects are the 7th Framework Programme and Horizon 2020, 24 of which are coordinated by Eurecat</p>
Pomurje Technology Park	No	N/A	<p>PTP is experienced in preparation and implementation of EU projects. Since 2003 it was active in EU programs Central Europe, South East Europe, ETC SI-AT, SI-HU, SI-CRO, DG Enlargement, Interreg IIIA, Interreg IIIC, ERA SME, CARDS, IPA, Phare, PPF, etc. More than 30 EU projects were implemented. Lead partner in Innovation 2020, 12 partners, duration:42 months, EUR 2.1 million. In 2014 a strategic EU project INNO CBC was selected in territorial cooperation, again PTP as LP (7 partners). PTP has a strong capacity base of 5 qualified & experienced persons in EU projects, with knowledge of foreign languages and minimum university degree, some came to PTP from JTS. In 2014 we developed own software programme for management of EU projects.</p>
Technology Park Ljubljana Ltd.	Yes	MED-Ked; ACCELMED	<p>TP-Lj has gained a wide range of experience in participating and managing European projects. In the last five years TPLj has participated in the following transnational projects related to current project objective (mainly innovation support): PROFIS (SEE), ACCELMED (MED), MED-Ked (MED), PROINCOR (CE), Business REgion LK (SI-AT), INTERINO (SI-CRO), FIDIBE (SEE), IR Train (Leonardo da Vinci), Exe MORE and Exe Prize3 (EYE).</p>

Croatian Chamber of Economy	No	N/A	<p>1. "MUDRA Learning Network" (Feb. 2008 – Jul 2009) A bilateral project in the frame of Flanders-Croatia Programme, focusing on networking and training in innovation strategies (R&D) for companies and entrepreneurs in the textile and clothing sector.</p> <p>2. PrE-Mu-Dra-Promoting Entrepreneurship in the Mura-Drava Region (May 2010 – May 2011), co-financed from Hungary_Croatia IPA Cross-border Co-operation Programme</p> <p>3. EU Compass (Sep 2011 –Aug 2012) within and supported by the IPA Hungary-Croatia Cross-border Cooperation Support the Croatian public and private sectors in the Hungarian – Croatian cross-border region.</p> <p>4. EU COMPASS 2 (Mar 2013 – Feb 2014) to improve capacities for future absorption of EU funds through transfer of knowledge.</p>
Cluster "Inteligentna Energija" d.o.o.	No	N/A	<p>1) Biomass EUVET "Transferring European VET structures to cover biomass skill needs" – Leonardo multilateral - ToI. Develop a vocational education and training structure for biomass sector in EU through identification of necessary skills, participation of employers and use of EU common tools to promote transparency and recognition of competences.</p> <p>2) EFFiVET "Transferring European VET structures to cover skills need in Energy efficiency sector" – Leonardo multilateral - ToI. Establish a qualification system for EE sector in accordance with the needs of the market and as part of "green jobs" sector.</p> <p>3) Technical expertise in SmartInMED, MED 2007 – 2013. Aim: support SMEs innovation capacities and development potential in the field of EE.</p>

Plastipolis	No	N/A	Between 2007 and 2013, Plastipolis participate to different European projects, in the FP7 call, such as NanoCom, COTECH, IMPRESS or MINAM project, but also in Alpine Space Program, with ALPlastics and AlpClusters2020.
Interbalkan Environment Center	No	N/A	<p>Cross Border Cooperation Programme Greece – Bulgaria 2007-2013</p> <p>AUTONEST (monitoring of water resources)</p> <p>RIVERALERT (establishing telemetric monitoring systems)</p> <p>WETLABUSE (use of water in agricultural, industrial, household, recreational and environmental activities)</p> <p>GEO-PROMOTION (qualification of geotechnicians)</p> <p>Civil Protection Programme</p> <p>FLINKMAN (Flood Management)</p> <p>Accolagoons LIFE+ (environmental and hydrological awareness)</p> <p>ECO-Satellite (intraregional monitoring system for the environmental protection and preservation of the Black Sea)</p>

<p>Fraunhofer Institute for Machine Tools and Forming Technology</p>	<p>No</p>	<p>N/A</p>	<p>FRAUNHOFER / FhG IWU has a vast experience in European projects both as partner and as coordinator. Throughout the years it participated in over 50 European projects and co-ordinated more than 20. Most recent ones: 1) Join'EM- Joining of Copper to Aluminium by Electromagnetic Fields 2) FOCUS- Creating Clusters of Factories of the Future Projects 3) LearnForm- A Self-learning Sheet Metal Forming System 4) iMain- A Novel Decision Support System for Intelligent Maintenance 5) FaBiMed- Fabrication and Functionalisation of BioMedical Microdevices 6) ReeMain- Integration of Renewable Energy Sources at Factory Environment Plus many more EraNET projects such as Cornet and Manunet and Martec.</p>
<p>t2i – technology transfer and innovation</p>	<p>Yes</p>	<p>IP-SMEs: “IP Awareness and Enforcement innovative services for Mediterranean SMEs”</p>	<p>Since 2012, 3 Projects as Lead Partner and 10 projects as Project Partner. Details: 2 CBC ItalySlovenia, 2 CBC Italy Austria, 3 Leonardo LLL Transfer of Innovation, 1 Interreg Alpine Space, 1 Interreg IVc, 1 FP7 Capacities and 1 FP7 Cooperation. Main topics: IP management, transnational technology transfer, innovation processes, internationalization of SMEs.</p>

Marche Region	Yes	MedInno – Facilitating Mediterranean innovation in Advanced manufacturing	<p>CLUSTER POLI SEE (Programme South East Europe) ClusterPoliSEE project as an answers to the identified needs through the improvement of capacity of regional policy makers to confront, prevent and anticipate change, developing smart specialization strategies for cluster improvement.</p> <p>IKTIMED project MED 2007-13 wants to face the following main problems: 1. Policy instruments activated on the basis of European, national and regional strategies on research and innovation and SMEs promotion do not form a system and; 2. there is a lack of coordination and synergies.</p> <p>Next project, funded under IPA CBC Adriatic 2007-2013 focused on a “place of integration and cooperation” based on an original mix of virtual services.</p>
Ministarstvo gospodarstva Republike Hrvatske	No		<p>Ministry of Economy was a BROP (Body responsible for the Operational Programme” for the Operational programme Regional Competitiveness 2007-2013, and also Implementing body for the activities related to technical assistance. The OPRC was in total.</p>

Catalan Agency for Business Competitiveness	Yes	WIDE	<p>ACCIÓ is leading and participating in 10 projects, under several funding schemes, such as H2020, COSME, FP7, ENPI, Interreg MED, EuropeAid, among others.</p> <p>INTERREG Initiatives 2007-2013: ACCIÓ participated in 3 INTERREGIVC projects (I4W and EuroPROC, as LP and EVITA, as PP) and 1 INTERREG MED project (WIDER).</p> <p>ACCIO is managing ERDF funding (ERDF Catalonia Operational Programme 2007-2013 and 2014-2020) for R+D and innovation.</p> <p>Regarding COSME, ACCIÓ coordinates the EEN node in Catalonia, and is implementing a local visibility action in the EEN framework (Connecting Catalan SMEs to Europe).</p> <p>It joined CIP projects, such as EUSportClusters (coordinator), EMMINVEST and clusters and entrepreneurship in support of emerging industries.</p>
ASTER S.Cons.p.A.	Yes	ACCELMED, ENERGEIA, 3C4 INCUBATORS, Med-KED	<p>European and international collaboration is a priority for ASTER, with focus on the internationalization of the regional Research and Innovation System, as well as the exchange of experience for the development of new services and activities implemented in Emilia-Romagna.</p> <p>During the 2007-2013 period, ASTER was involved in several EU funded projects, covering several sectors under the EU programmes including: 7FP, CIP, Interreg IVC, South East Europe, Central Europe, MED (of the ETC family) and LIFE+, LLP. ASTER has been involved in 38 successful proposals (9 as lead partner)</p>

REGION OF CENTRAL MACEDONIA	Yes	WIDE, IKTIMED, CREATIVE MED	The Region of Central Macedonia has a long experience in the implementation of EU funded projects, among them: Energy for Mayors (INTELLIGENT ENERGY Pr.), Innovage (INTERREG IVC Programme), Pilot4Safety (Dg for Energy and Transport), Medroute (MED CBC ENPI), MEDeGOV (MED CBC ENPI), Empower + (Leonardo Da Vinci Programme), Geopromotion (Greece – Bulgaria 2007-2013 Pr.), Wetlabuse (Greece – Bulgaria 2007-2013 Pr.), Clusterpolisee (SEE 2007-2013 Pr.), Accolagoons funded by the LIFE 2007-2013 Programme, Energywaste (LIFE 2007-2013), COMPASS4D funded (ICT PSP), CO-GISTICS (ICT PSP), AGRAS (Greece-f.Y.R.O.M.), ZONES & ROADS (Greece-f.Y.R.O.M.), SAFE-WET (Greece f.Y.R.O.M.), SMART SPECIALIZATION (Greece – Bulgaria 2007-2013)
Saxon State Ministry for Economic Affairs, Labour and Transport	No	N/A	Active financial participation in the current JU ECSEL (2014 – 2020) managed by our devision. JU ECSEL (http://www.ecsel.eu) is the Public-Private Partnership keeping Europe at the forefront of technology development.

Lombardy Region	Yes	PAYS MED URBAN	<p>Regione Lombria has actively participated as lead partner or partner to the following programmes:</p> <ol style="list-style-type: none"> 1) VII FP 2) CIP 3) Prevention, Preparedness and Consequence Management of Terrorism and other Security-related Risks Programme (CIPS) 4) LIFE+ 2007-2013 5) Lifelong Learning Programme – LLP 6) Daphne III 7) Culture 2007-2013 8) Youth in Action 9) Trans European Networks Transport <p>In 2014 it joined the working groups of the National Committees which have been working on te new territorial cooperation programmes 2014 2020 (Centra Europe, MED and Adrion).</p> <p>As far as territorial cooperation is concerned, the Region has decided to joine merely as Associated Partner to the most relevant initiatives which fit to regional priorities.</p>
Regional office of companies, competition, consumption, work and employment Rhône-Alpes			

2. B.2 Associated partners

Associated number partner	PP11
Project partner to wich this partner is associated	National Research Council - Institute of Industrial Technologies and Automation
Name of the associated partner	t2i – technology transfer and innovation

Main adress	via Roma, 4 31020 Treviso
NUTS3	Treviso
NUTS2	Veneto
Country	ITALY
Eligibility zone	MED Partner
Legal status	Public
Category	Business support organisation
VAT number	04636360267
Legal representative	Roberto Santolamazza via Roma, 4 31020 Treviso Veneto Treviso ITALY direzione.innovazione@t2i.it 0039 0422 1742100
Contact person	Anilkumar Dave via Roma, 4 31020 Treviso Veneto Treviso ITALY anilkumar.dave@t2i.it 0039 0422 1742157

Which is the role and interest of the associated partner in the project?	<p>INTEREST</p> <p>T2i shares the aim of raising awareness about trans-regional cooperation in the area of “green manufacturing”, and is interested in the transfer of project results towards policy makers and other Regional Clusters in the frame of RIS3.</p> <p>Even though no operational partners from Veneto Region will be involved, T2i will seek connections will running initiatives to identify platform and living lab members also from this territory in order to facilitat transfer.</p> <p>Another topic will be the opportunity to provide suggestions to the Regional Authority (Regione Veneto), that will be informed about developments and intermediate results.</p> <p>This connection will be an extraordinary opportunity to connect Veneto Region with the other Vanguard Initiative related regions and anchor it to the knowledge provided by the roadmap for green manufacturing pilot plant.</p> <p>ROLE</p> <p>t2I will be involved in:</p> <ul style="list-style-type: none"> • WP2 – A2.3: Diffusion and dissemination activities; • WP4 – A4.3: Event to establish the transfer process; • WP4 – A4.4: Transferring results to other Clusters and policy makers.
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Associated number partner	PP12
Project partner to wich this partner is associated	Associazione Cluster Marche Manufacturing
Name of the associated partner	Marche Region
Main adress	Via Tiziano, 44 60125 Ancona
NUTS3	Ancona
NUTS2	Marche
Country	ITALY
Eligibility zone	MED Partner

Legal status	Public
Category	Regional Public authority
Administrative code	Fiscal code 80008630420
Legal representative	Patrizia Sopranzi Via Tiziano 44 60125 Ancona Marche Ancona ITALY patrizia.sopranzi@regione.marche.it +39 718063337
Contact person	Roberta Ruggeri Via Tiziano 44 60125 Ancona Marche Ancona ITALY roberta.ruggeri@regione.marche.it

Which is the role and interest of the associated partner in the project?	<p>INTEREST</p> <p>Marche Region aims to co-operate with regional cluster and share within partnership (and outside too) all suitable experiences in order to improve knowledge transfer and innovation policies at local and European context. Marche Region will benefit from partners experiences acquiring expertise to be further applied at regional level in territories with different characteristics (demographic density, land profile, economic growth, etc.).</p> <p>The expected project's gains relate especially to the further enhancement of the policies for increasing green growth potential and sustainable manufacturing approaches.</p> <p>The Region is interested in observing the project implementation with a view to incorporate - where relevant - inputs and roadmaps into the RIS3.</p> <p>The Region is also willing to support the recipient countries in the transferring of the good practices.</p> <p>ROLE</p> <p>it will be involved in the following activities:</p> <ul style="list-style-type: none"> • WP2 – A2.3: Diffusion and dissemination activities; • WP4 – A4.3: Event to establish the transfer process; • WP4 – A4.4: Transferring results to other Clusters and policy makers.
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Associated number partner	PP13
Project partner to which this partner is associated	Croatian Chamber of Economy – County Chamber Split
Name of the associated partner	Ministarstvo gospodarstva Republike Hrvatske
Main address	Ulica grada Vukovara 78 1000 Zagreb
NUTS3	Grad Zagreb
NUTS2	Kontinentalna Hrvatska
Country	CROATIA

Eligibility zone	MED Partner
Legal status	Public
Category	National Public authority
Administrative code	Personal Identification Number (PIN) HR22413472900
Legal representative	Martina Dalić Ulica grada Vukovara 78 10000 Zagreb Kontinentalna Hrvatska Grad Zagreb CROATIA ministar@mingo.hr +385 01 6106111
Contact person	
Which is the role and interest of the associated partner in the project?	<p>INTEREST As being very active in managing the competitiveness clusters in Croatia (http://www.aik-invest.hr/konkurentnost/klasteri-konkurentnosti/), the main interest is to understand how the tools and methodologies of the Project will help further development of cluster initiatives which the Ministry will support from the ESI funds 2014 – 2020.</p> <p>ROLE Ministry of Economy will participate in policy events of the project and will participate in elaborating the topics addressed by the project (i.e. trans-regional cooperation methodologies to define strategic innovation priorities in the area of “green manufacturing”). Also project results will be delivered to the policy makers which will in fact help the Ministry to better understand the challenges of the green manufacturing and help in re-evaluating the strategic framework for industrial development of Croatia, namely the Industrial Strategy of Croatia and Innovation Strategy of Croatia.</p>
Associated number partner	PP14

Project partner to wich this partner is associated	EURECAT Foundation
Name of the associated partner	Catalan Agency for Business Competitiveness
Main adress	Passeig de Gràcia, 129 08008 Barcelona
NUTS3	Barcelona
NUTS2	Cataluña
Country	SPAIN
Eligibility zone	MED Partner
Legal status	Public
Category	Regional Public authority
VAT number	ESS0800476D
Legal representative	Marta Esteves Passeig de Gràcia, 129 08008 Barcelona Cataluña Barcelona SPAIN projecteseu.accio@gencat.cat
Contact person	Jennifer Ruiz Passeig de Gràcia, 129 08008 Barcelona Cataluña Barcelona SPAIN vanguard.accio@gencat.cat

Which is the role and interest of the associated partner in the project?	<p>ROLE</p> <p>The methodology involves companies, research and innovation institutions, industrial clusters and policy makers are involved in the cooperation. In that sense, our institution will contribute to the project participating as an observer in 3 events.</p> <p>The actions will address the establishment of a Mediterranean interconnected network of pilot plants that companies, especially SMEs -that represent the majority of companies in these area-, will use to setup and industrialize innovative products, manufacturing processes and technologies to increase energy efficiency in manufacturing and to reinforce circular economy.</p> <p>INTEREST</p> <p>ACCIÓ, as the Catalan Agency for Business Competitiveness, is especially interested in the benefits for the companies derived from the project and the adoption of green practices in manufacturing as a necessary priority for the future.</p>
Associated number partner	PP15
Project partner to wich this partner is associated	National Research Council - Institute of Industrial Technologies and Automation
Name of the associated partner	ASTER S.Cons.p.A.
Main adress	Via P.Gobetti 101 40129 Bologna
NUTS3	Bologna
NUTS2	Emilia-Romagna
Country	ITALY
Eligibility zone	MED Partner
Legal status	Public
Category	Sectoral agency
VAT number	03480370372

Legal representative	<p>Fabio Rangoni Via Piero Gobetti 101 40129 Bologna Emilia-Romagna Bologna ITALY info@aster.it +39 051 6398099</p>
Contact person	<p>Leda Bogni Via P.Gobetti 101 40129 Bologna Emilia-Romagna Bologna ITALY leda.bogni@aster.it</p>
Which is the role and interest of the associated partner in the project?	<p>INTEREST Follow the initiative and the evidences deriving from establishing a network of energy efficient pilot plants in the MED Area. Improve future partnership possibilities at trans-regional level thus extending the project benefits to the Emilia Romagna Regional area.</p> <p>ROLE Even if no operational partners from Emilia Romagna region will be involved, Aster will share experiences and vision concerning green manufacturing support by regional authorities, in the framework of RIS3 with a special focus on green growth potential, green & sustainable manufacturing. Aster will be involved in</p> <ul style="list-style-type: none"> • WP2 – A2.3: Diffusion and dissemination activities; • WP4 – A4.3: Event to establish the transfer process; • WP4 – A4.4: Transferring results to other Clusters and policy makers.

Associated number partner	PP16
Project partner to wich this partner is associated	Interbalkan Environmental Center
Name of the associated partner	REGION OF CENTRAL MACEDONIA
Main adress	Vas. Olgas 198 54110 Thessaloniki
NUTS3	Θεσσαλονίκη
NUTS2	Κεντρική Μακεδονία
Country	GREECE
Eligibility zone	MED Partner
Legal status	Public
Category	Regional Public authority
VAT number	EL997612598
Legal representative	Apostolos Tzitzikostas VASSILISSIS OLGAS 198 54110 THESSALONIKI Κεντρική Μακεδονία Θεσσαλονίκη GREECE a.tzitzikostas@pkm.gov.gr 00302313319511

Contact person	KALLITSA PANTAZI 198 Vasilisis Olgas Str. 54655 Thessaloniki Κεντρική Μακεδονία Θεσσαλονίκη GREECE K.Pantazi@pkm.gov.gr
Which is the role and interest of the associated partner in the project?	<p>INTEREST</p> <p>To assist the implementation and further planning of the regional policies that are included in the RIS3 and ROP (Regional Operational Program) of the Region of Central Macedonia with a specific focus on green growth policies and energy efficiency.</p> <p>ROLE</p> <p>It will be involved in the following activities</p> <ul style="list-style-type: none"> • WP2 – A2.3: Diffusion and dissemination activities; • WP4 – A4.3: Event to establish the transfer process; • WP4 – A4.4: Transferring results to other Clusters and policy makers. <p>It will debate with Interbalkan Environmental Center about further potential of green growth and energy efficient manufacturing for Greek industry system.</p>
Associated number partner	PP17
Project partner to which this partner is associated	Fraunhofer Institute for Machine Tools and Forming Technology
Name of the associated partner	Saxon State Ministry for Economic Affairs, Labour and Transport
Main address	Wilhelm-Buck-Straße 2 01097 Dresden
NUTS3	Dresden, Kreisfreie Stadt
NUTS2	Dresden
Country	GERMANY

Eligibility zone	Non MED EU Partner
Legal status	Public
Category	Regional Public authority
VAT number	DE111111111
Legal representative	Lutz Bryja Wilhelm-Buck-Straße 2 01097 Dresden Dresden Dresden, Kreisfreie Stadt GERMANY lutz.bryja@smwa.sachsen.de
Contact person	Jochen Donauer Wilhelm-Buck-Straße 2 01097 Dresden Dresden Dresden, Kreisfreie Stadt GERMANY jochen.donauer@smwa.sachsen.de
Which is the role and interest of the associated partner in the project?	<p>MOTIVATION We want to support the participation of Fraunhofer IWU, the active work of the Vanguard initiative and contribute to develop and share concepts and strategies concerning pilots. The Region is one of the founding members of Vanguard Initiative.</p> <p>INTEREST To foster the work of the Vanguard community and extend its potential to MED regional areas.</p> <p>ROLE Provide high level support to the project and establish connections with extra regional RIS3 with a view to establish common strategies to increase green manufacturing.</p>

Associated number partner	PP18
Project partner to wich this partner is associated	National Research Council - Institute of Industrial Technologies and Automation
Name of the associated partner	Lombardy Region
Main adress	P.zza Città di Lombardia, 1 24124 Milano
NUTS3	Milano
NUTS2	Lombardia
Country	ITALY
Eligibility zone	MED Partner
Legal status	Public
Category	Regional Public authority
Administrative code	Fiscal code 80050050154
Legal representative	Roberto Albonetti P.zza Città di Lombardia, 1 24124 Milano Lombardia Milano ITALY Roberto_albonetti@regione.lombardia.it
Contact person	

Which is the role and interest of the associated partner in the project?	<p>MOTIVATION The Region is one of the founder of the Vanguard Initiative and cordinates the ESM working group.</p> <p>INTEREST Its main interest consists in extending the number of regions interested in efficient and sustainable manufacturing, reinforce the relationships with the involved Med Western Regions and contribute to increase the capacity of MED Eastern/Adriatic Coastal Regions to accelerate their access to green manufacturing knowledge.</p> <p>ROLE Provide policy support and establish pooicy connections with the other involved regions also with a view to echange visions about the role of RIS3 in boosting green growth and green manufacturing. Check how project result may provide inputs to guide funding allocation into R&D regional projects.</p>
Associated number partner	PP19
Project partner to wich this partner is associated	Plastipolis
Name of the associated partner	Regional office of companies, competition, consumption, work and employment Rhône-Alpes
Main adress	esplanade François Mitterrand 69269 Lyon
NUTS3	Rhône
NUTS2	Rhône-Alpes
Country	FRANCE
Eligibility zone	MED Partner
Legal status	Public
Category	National Public authority
Administrative code	Business/Institutions repertoire identification system 43207199100017

Legal representative	Stephane Gibodau esplanade François Mitterrand 69269 Lyon Rhône-Alpes Rhône FRANCE sgiboudaud@rhonealpes.fr
Contact person	Hortense Lutz Hermellin esplanade François Mitterrand 69269 Lyon Rhône-Alpes Rhône FRANCE Hortense.LUTZ-HERMELLIN@auvergnerhonealpes.eu
Which is the role and interest of the associated partner in the project?	Main interest to connect the RIS3 strategy to the ERDF funds and innovation projects at regional level and to cooperate with Plastipolis in the overall innovation process of the Region. The interest in the VANGUARD initiative is also relevant to us.

- III - PART C – Project description

1. C.1 Project relevance

1.1 C.1.1 What are the common territorial challenges that will be tackled by the project? Are they coherent with the programme specific objective selected and the relevant Terms of Reference of the call?

Europe is a global leader in Manufacturing, that is the first sector of its non-financial economy. MED Regions play a key-role in this sector, since for example Italy, France and Spain are three out of the first five European manufacturing Nations (being Germany and UK the other two).

Manufacturing can contribute to address European societal challenges set in the EU2020 strategy (employment, R&D, environment, education, social inclusion). In particular, it can significantly contribute to “green growth”. For example, it can be estimated that Manufacturing is responsible for the consumption of the 30% of the total energy produced; manufacturing consumes raw materials and produces emissions; etc..

In order to continue playing the role of the “industrial leader” and, at the same time, to address societal challenges, Europe and its MED Regions have to implement a drastic change towards sustainability. Three pillars for this change –and challenges of the proposed project- are: increase energy efficiency in manufacturing; improve waste management and recycling capability of industry; promote eco-innovation.

In the last years, research and innovation started to target these goals. However, despite the excellent capacity to produce new knowledge, Europe struggles to transform research results into concrete technologies for sustainable manufacturing. This difficulty is even higher in the MED Regions, which suffer of a lower innovation level compared to the rest of Europe.

There are several reasons for this low innovation capability. Among them, i) the lack of innovation infrastructure, such as pilot plants at disposal of companies –especially SMEs- to industrialize new green products, processes and technologies, and ii) the fragmentation of resources and efforts for green manufacturing innovation in the Regions.

Based on these arguments, GREENNOMED challenges are well aligned with Specific objective 1.1 under Programme Priority Axis 1 and the call Terms of Reference.

1.2 C.1.2 What is the project’s approach in addressing these common territorial challenges and/or joint assets and what is new/specific about the approach the project takes?

GREENNOMED will address the challenges by testing and transferring a trans-regional cooperation methodology for the identification and development of strategic projects of pilot plants supporting the diffusion of innovative technologies and methods for green manufacturing in the MED area.

The methodology was conceived in the frame of the “VANGUARD Initiative – New Growth Through Smart Specialization” (www.s3vanguardinitiative.eu). VANGUARD is driven by a political commitment of 25 EU Regions to use their smart specialisation strategy for boosting new growth through bottom-up entrepreneurial innovation. In the frame of VANGUARD, Lombardy and Catalonia are leaders of a pilot project called “ESM-Efficient and Sustainable Manufacturing”, aimed at the realization of a European network of pilot plants supporting manufacturing innovation. They conceived a methodology which, in general terms, foresees a structured trans-regional cooperation process, governed by Regional Clusters, for: the bottom-up identification of companies priorities; the clustering of priorities and identification of synergies and complementarities among Regions; the creation of European working groups for the development of pilot plants aggregation; the development of a business plan for the implementation of the pilot plants; the implementation phase.

To implement the methodology, Regional Clusters will experiment the offering of innovative services to companies (such as matchmaking, internationalization network service, support in business planning, etc.).

In the context of GREENNOMED, the methodology will be widely tested and extended to other MED Regions with specific focus on green manufacturing.

The novelty will consist in the new structured governed process, centered on trans-Regional Clusters cooperation, that will allow the systematic exploitation of Regional synergies to

conceive and implement innovative green manufacturing practices. Currently, no similar process is followed at EU level.

1.3 C.1.3 Why is transnational cooperation needed to achieve the project's objectives and result?

The final goal of the methodology that will be tested and transferred is the definition of an interconnected network of regional pilot plants that will exploit local smart specializations to provide services for the diffusion of green manufacturing solutions.

To allow pilot specializations to emerge (in terms of technology, sectorial applications, availability of specific competences and supporting resources, etc.), trans-regional cooperation is essential. After the collection of inter-regional needs and capabilities, in fact, Regions must share outcomes in a cooperative environment in order to evaluate if other Regions own complementary capabilities that are needed to build the solutions, or express a market demand for the pilot plants applications. This will allow the design and realization in a consistent way with respect to smart specializations: pilot plants supporting a specific innovation (for example processes for re-manufacturing of certain products, solutions for energy efficiency in energy-intensive production applications, etc.) will be based in the Regions where most appropriated competence/resources to build and operate the pilot plants exist and, at the same time, where customers that will require these services are based.

Main target groups and their benefits will be: 1) Regional Clusters, that will be able to offer more advanced services to their members, will internationalize their activity and strengthen the relationship with Regional Authorities; 2) companies and Research/innovation organizations, that will benefit from a structured process to become joint protagonists of the construction of the pilot plants system, based on their needs; 3) policy makers, that will be provided with relevant information to shape innovation programs coherent with regional industrial needs and complementary to other Regions' smart specialization. They will also receive bottom-up information to update Regional Smart Specialization plans.

1.4 C.1.4 Please confirm which cooperation criteria apply to your project.

	Cooperation criteria
Cooperation criteria	Joint Development Joint Implementation Joint Staffing Joint Financing

1.5 C.1.5 Why the type of project (module) selected is appropriate in order to achieve the objectives of the project?

The European “VANGYARD Initiative-New Growth Through Smart Specialization” provides a relevant framework to exploit regional smart specialization strategies for manufacturing innovation. VANGUARD Regions Lombardy and Catalonia, that are leading the VANGUARD pilot project “ESM–Efficient and Sustainable Manufacturing”, have conceived a methodology supporting trans-regional Clusters cooperation for the identification and definition of priority innovation projects (in particular, pilot plant infrastructure supporting manufacturing innovation). This methodology represents the most updated and credible experience -in terms of Regions involvement and EU Commission endorsement- on trans-regional cooperation for the definition of innovation priorities and policies.

At the state of the art, this cooperation methodology was not applied on a large scale in order to prove its feasibility and test the benefits. In addition, only a limited number of Regions belonging to the VANGUARD network could participate to its conception. For these reasons, GREENNOMED is proposed as a single-module project (M2) aimed at testing and transferring of the methodology to other MED Regions in a limited time horizon, also outside the Vanguard community. A multi-module approach was considered too challenging and less realistic for a such complex process.

The proposed type of project is also coherent with complementary partners’ profile. On one hand, research and innovation institutions will organize and coordinate the testing and transferring process to offer a robust methodological framework to the second group of project partners, Clusters and industrial organizations. They will govern the implementation of the methodology in their Regions, through the offering of new services that will enable the trans-regional approach. Finally, Institutional partners –Regional Authorities-, will participate by addressing the process in order to maximize results for policy makers and for RIS3 constant update.

2. C.2 Project focus

2.1 C.2.1 Project objectives, expected results and main outputs

Project general objective

The overall objective of GREENOMED is to increase the transnational innovation capability of MED Regions through the extensive testing and transfer of a Clusters-coordinated cooperation methodology that was conceived in the frame of the “Vanguard Initiative – New Growth Through Smart Specialization” (www.s3vanguardinitiative.eu).

The methodology, whose scope is the set-up of strategic projects for the realization of a European network of pilot plants supporting manufacturing innovation, was designed in the Vanguard pilot project “ESM-Efficient and Sustainable Manufacturing” coordinated by Lombardy and Catalonia.

The thematic focus of GREENOMED will be on green growth and, in particular, on energy efficiency, waste management/recycling and eco-innovation in manufacturing. These topics were already targeted as high priorities by the Vanguard ESM pilot.

The lack of innovation infrastructure –in particular of pilot plants accessible by companies, especially SMEs- is a serious barrier to transform research results into industrial practice to make manufacturing more sustainable. To conceive a network of pilot plants is an ambitious objective that, for complexity and magnitude of investments, can not be pursued with a “Regionally dispersed approach”. In the current situation, Regional companies engage themselves in innovation activities mainly on an individual basis, exploiting their historical relationship networks. They do not have the instruments nor the institutional framework to easily establish strategic partnerships with potential extra-regional partners that, based on their specialization, would own the most appropriate competence to setup joint innovation projects such as pilot plants projects.

By exploiting the concept of Smart Specialization, the trans-national cooperation methodology that will be tested in the project will allow companies and organizations of one Region to identify and cooperate with “best-in-class” complementary or synergic partners of other Regions for common challenges.

Thus, GREENOMED will contribute to establish the required trans-national cooperation, based on Regional Smart Specializations, leveraging on the territorial governance role of Clusters and creating the Institutional framework that can support this process.

Project result

1 Tested and transferrable trans-national cooperation methodology for Clusters : This methodology will be a detailed guide for Clusters on how to set-up and coordinate trans-regional cooperation activities in which to engage regional members. The methodology will consist in a sequence of activities, supported by adequate tools (such as templates, guidelines, training courses for members, etc.) that Clusters should carry out in order to engage manufacturing companies and innovation organizations in the process of: identifying regional priorities for pilot plants; mapping internal resources and competences for their development; connecting to extra-regional partners; defining goals of mutual interest; shaping common projects and business plans for pilot plants implementation; identifying financial support opportunities, etc. The methodology will also describe and characterize the services that Clusters will have to offer. Some examples are: matchmaking and brokerage, training, mentoring and coaching on innovation, public and private funding opportunities, international projects, advocacy and lobbying, etc.

This result will put Clusters in the conditions to offer a consolidated mix of transnational activities for the implementation of innovation actions in the field of green manufacturing, thus directly contributing to the target indicator.

In particular, during the project, each participating Cluster will experiment the offering of trans-national services (AFIL, ACMM, CIE, Plastipolis). In Regions represented by partners that are not Clusters but represent however innovation actors (such as chambers of commerce, technology parks, technology transfer: EURECAT, PTP, TPLJ, HGK, IBEC), services will be offered by these partners, with the intent of transferring them to Clusters as soon as they will be properly established. This will account for 9 organizations ready to offer innovative trans-national cooperation services at the end of the project.

In addition, it is planned that each of these members will transfer the methodology and services to other organizations within their Region or their Nations. Considering the transfer that will be done also towards the two Associate partners T2i and Aster, this will account for 11 additional organizations that will be trained in the offering of innovative trans-national activities.

In total, 20 innovative organizations in the MED Regions will support transnational activities.

2 Running projects of trans-national pilot plants supporting green manufacturing innovation : Methodology testing will imply that GREENOMED partners will engage -within the project lifetime- their regional manufacturing stakeholders in the structured process for the collaborative trans-national definition of strategic projects for a European network of pilot plants. It is expected that, at the end of the project, a set of trans-regional collaborative projects for pilot plants implementation will be in place as a result of the testing activities. Each project will involve multiple Clusters that will support their members in the intra-regional work and in the trans-regional cooperation with other manufacturing companies and innovation organizations. The progress of each pilot project at the end of GREENOMED can not be forecasted at this stage of the proposal, since it will depend on the effective participation of companies in the process and, especially, on the maturity level of the ideas that will be shared and developed. For example, pilot projects might have defined a multi-regional shared concept of European network of pilot plants (early conception stage), or a business plan for implementation (funding stage). However, the existence of this volume of manufacturing stakeholders cooperating in the frame of the launched trans-national process for a common goal will generate a demand of additional services for Clusters in the future. For example, companies might be assisted in shaping their participation in the international initiative, in technology/market intelligence, international project management, identification of potential funding sources at all levels (regional, national and European), etc. This will contribute to increase the share of innovative clusters offering to their members a consolidated mix of transnational activities in key sectors of the MED area.

It is foreseen that at least 3 trans-national projects for pilot plants will be running at the end of the project, involving at least 100 Clusters members or regional manufacturing stakeholders in total.

3 Institutional framework for trans-regional cooperation in green manufacturing innovation : The participation of Regional Authorities as Associate Partners and the transfer of results to them at the end of the project will contribute to establish the institutional framework necessary to boost and increase the effectiveness of the trans-national cooperation that will be demonstrated and activated in GREENOMED. Regional Authorities will be in fact in the position of favouring the trans-national processes whose benefits will be proved on the one hand, and of considering the topics of running projects on trans-national pilot plants for the definition of future innovation funding programs on the other hand. It is expected that new instruments to support the trans-regional cooperation supported by the GREENOMED methodology will be defined by Regional authorities, and that future innovation funding programs will offer funding possibilities for the realization of the running pilot plants projects.

The creation of such a favourable institutional context will contribute to further increase the share of innovative Clusters offering trans-regional services to their members for green manufacturing innovation.

Since the timing required for the design and implementation of such type of instruments and policies by Regional Authorities is higher than available project time, it is foreseen that Regional Authorities participating to the project will release a declaration of future intents or similar communication. Considering the participation of Regional Authorities as Associate Partners in the project, it is foreseen to reach at least 8 Regional Authorities of MED Regions.

Specific Objective of the Programme	Result indicator
1.1 To increase transnational activity of innovative clusters and networks of key sectors of the MED area	Share of innovative clusters (i.e. including RDI activities) offering to their members a consolidated mix of transnational activities in key sectors of the MED area

Title of the objective	Description	Communication objectives	Approche/tactics
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<p>Establish a Cluster-governed methodology for trans-regional cooperation in green manufacturing innovation</p>	<p>The specific objective will be the testing and consequent customization/refinement of a structured Cluster-governed methodology for trans-regional cooperation in green manufacturing innovation, as well as the implementation of tools and strategies to transfer results to other Clusters.</p> <p>The methodology should support Clusters to mobilise their members within a structured working process at strategic level which implies internationalization.</p> <p>The methodology will allow to address the currently unmet territorial challenge of establishing trans-regional manufacturing cooperation activities, in particular for green innovation of manufacturing, based on Smart Specialization.</p>	<p>Communication will be mainly addressed to Clusters and manufacturing stakeholders. On one hand, it will be oriented to generate awareness about GREENOMED, its results and opportunities; on the other hand, it will be technical communication to exchange experiences and transfer knowledge on the developed methodology and designed Clusters services. Communication actions addressed to the general society will be organized also, with the scope of renovating a positive image of the manufacturing sector and to spread a new culture of green growth through manufacturing.</p>	<p>Research partners participating to Vanguard will act as organizers of the testing and as coaches for other partners. They will also guarantee the link with the most updated technological state of the art. Clusters will mobilize manufacturing stakeholders for the testing of methodology and will transfer results to other Clusters and to Regional Authorities.</p> <p>The structured approach of FRAUNHOFER and its role of partner, external to the MED area but interested in MED Regions innovation, makes it the ideal partner to coordinate the testing phase and the evaluation of the project.</p> <p>Finally, the proximity with the Vanguard network guarantees a very wide transferability of results in a highly qualified international regional community.</p>
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<p>Trigger the set-up of trans-regional projects of pilot plants for green manufacturing innovation in the MED Regions</p>	<p>The specific objective will be to set-up strategic trans-national projects of networked regional pilot plants in the MED area supporting innovation in green manufacturing and focused on specific applications and technologies arising from smart specializations. Projects will be the result of the application of the methodology for testing purpose. These projects will testify the relevance and success of the tested and transferred methodology to other Clusters and policy makers. They will also provide ready-to-use inputs to Regional Authorities to update their innovation policies and Smart Specialization Strategies.</p>	<p>The main communication target for this objective will be manufacturing stakeholders, i.e. manufacturing companies technology providers and organizations offering innovation services. The main objective of communication will be to make manufacturing actors aware about the potential of the tested trans-regional cooperation methodology and the new service offering of Clusters, with the final intent of pushing them to participate in the process. For this, extreme attention will be paid to let companies understand the project framework and concepts, using for example easy language, recurring to story telling and real examples of companies engaged in project activities through Clusters.</p>	<p>The approach that will be used for this objective will consist in “being close to companies”. Clusters in the partnership will thus be the main actors in charge of this objective. Benefits obtainable from the new approach will be characterized and quantified by analysing potential impacts of the first group of projects that will result from the testing. This will allow to concretely communicate to companies what investment is required and which returns can be expected. Finally, the Vanguard reference will be exploited to prove that the project derives from some pre-existing activity of a network –Vanguard- endorsed by the European Commission, which testifies the robustness and significance of foreseen activities and results.</p>
<p>Establish the institutional environment supporting Clusters-based trans-national cooperation for green manufacturing innovation in the MED Regions</p>	<p>The specific objective will consist in making Regional Authorities embrace project results so that they can create the right institutional framework for trans-regional cooperation for green manufacturing innovation. This can be obtained in different ways, for example: ratifying political memorandum between Regions in order to support common innovation priorities; supporting the adoption of the tested methodology by Clusters and companies, making incentives and resources available for them; considering the topics and priorities expressed by the first group of projects after testing, in order to plan funding opportunities in the forthcoming innovation programs; etc.</p>	<p>The communication target for this objective will be Regional Authorities, in particular the ones participating to the project as Associate partners. The communication will be oriented to the explanation of the new cooperation methodology and to the communication of the advantages that: i) the Regional manufacturing system may obtain from a wider application of the method; ii) the Regional Authorities themselves may obtain in terms of bottom-up information for the definition of innovation policies and for the constant update of their RIS3 plans. Specific communication activities will be organized with this purpose, such as for example tailored workshops for the final transfer of results and periodic briefings to Regional functionaries.</p>	<p>The approach that will be used for this objective will leverage on proper communication, based on the evidence arising from the first group of pilot plant projects that will result from the testing activities. Their potential impacts will be assessed using the performance indicators usually adopted by policy makers (such as impact on occupation, regional value added, return on potential regional investment, etc.). Additionally, an analysis in terms of current smart specialization plans’ coherence with the priorities that will arise from these projects will be made, in order to present Regional Authorities the possible use of results for the update of RIS3 with bottom-up information.</p>

Programme output indicator	Programme output indicator targets	Projet main output quantification	Project main output number	Project main output
Number of operational instruments to favour innovation of SMEs	5	1	Work package4-1	Trans-national cooperation methodology
Number of operational instruments to favour innovation of SMEs	5	4	Work package4-2	Trans-regional cooperation services offered by Clusters to SMEs
Number of enterprises receiving non-financial support	100	100	Work package4-3	Enterprises involved in the collaborative design and setup of pilot plants through services offered by Clusters
Number of transnational innovation clusters supported	8	4	Work package4-4	Transnational innovation Clusters ready to offer cooperation services
Number of transnational innovation clusters supported	8	4	Work package5-1	Transnational innovation Clusters ready to offer cooperation services

2.2 C.2.2 Target groups

Target groups	Description	Target value
Other	project partners	11.00 Number
Business support organisation	Manufacturing Clusters in the Regions or Business Support organizations such as technology parks and chambers of commerce. They are the main target of the project, since they are the actors that can mobilize companies in cooperative innovation	20.00 Number

Enterprise, except SME		
General public	The general public will be a target for the project because a cultural societal change is needed for considering Manufacturing a friendly and attractive activity that can improve society. The target will be reached through web and social media.	3000.00 Number
Higher education and research		
National public authority		
SME	SMEs are at the core of European MED Manufacturing. They will be the protagonists of the trans-national cooperation, coordinated by Clusters. It is planned to directly contact 500 SMEs and that 100 of them will be effectively involved in testing.	500.00 Number
Regional public authority	Regional Authorities are targeted to create an institutional framework supporting regional cooperation. The indicated number represents the minimum Authorities number to be effectively reached in the transfer. A higher number will be contacted	8.00 Number

3. C.3 Project context

3.1 C.3.1.a. How does the project contribute to wider strategies and policies?

GREENOMED supports following RIS3 priorities:

- 1) SI: Specific S3 priority “Value Chains and Networks”: SI_industry 4.0;
- 2) HR: S3 S.O.2 “High Technology Networks for Industry”, S.O.5: “skills for smart specialization”
- 3) EL: ST 2 development of new products, practices, processes and technologies (agritech industry).
- 4) FR-Rhone Alps: S3 domain “Manufacturing processes and eco-efficient factories”, S.O.1 “Améliorer la performance de l’écosystème rhônalpin de l’innovation”, S.O.2 “Entreprise et transition environnementale del l’économie”, S.O.3 “Procedes industriels et usine eco-efficente”
- 5) Es-Cataluna: S3 priority 7 “Industrial systems, (plant and machinery), process engineering and advanced manufacturing in which eco-design plays a relevant role”

6) DE-Lower Saxony: S3 thematic domain “new materials and production technologies” (strategy: Weiterentwicklung Cluster & Netzwerke”)

7) IT

a) Lombardia: S3 priority 3 “Advanced Manufacturing” and 6 “Eco-Industry”

b) Marche: S3 priority 5 Sustainable manufacturing (new materials, shoe industry, furniture etc.)

c) Veneto: S3 priority 3 “Smart Manufacturing”

HOW: it connects RIS3 strategies (providing also investment roadmaps) with cluster oriented roadmaps for energy efficient production systems thus integrating cluster policies into broader green growth transformation agendas.

It additionally supports:

a) Roadmap to a Resource Efficient Europe: COM/2011/0571

b) Green Growth Declaration C/MIN(2009)5/ADD1/FINAL

c) Green Action Plan for SMEs (COM/2014/0440 final), Target I “Greening SMEs for more competitiveness and sustainability”

d) For a European Industrial Renaissance /* COM/2014/014 final, chapter 3 Industrial Modernisation – “Increasing productivity and resource efficiency and facilitating access to affordable production inputs”

e) Milan Declaration of Vanguard Member Regions

f) Energy Union Priority

HOW: provides concrete action plans and roadmaps in line with policy guidelines and suitable to reach objectives.

3.2 C.3.1.b. If applicable, indicate if the project contributes to the following strategies and describe in what way.

	-	-
If applicable, indicate if the project contributes to the following strategies and describe in what way.		

EU Strategy for the Adriatic-Ionian Region (EUSAIR)		<p>Pillar 1: the VANGUARD based methodology increases the quality of sustainable blue economy cluster development strategies by combining blue and green growth & manufacturing innovation.</p> <p>Pillar 3: Green Manufacturing pilots tested during the project can be transferred to blue economy clusters to reduce waste flows to the sea and, to reduce nutrient flows and other pollutants to the rivers and the sea (depollution of Adrio-Ionian area).</p> <p>Platform and Labs will be open to EUSAIR representatives.</p>
Alpine Space Strategy		<p>Pillar 1, (1) Developing innovation and research capacity and transfer into practice (the tested and transferred method);</p> <p>(2) Improving and developing support for enterprises (through implemented support services for green plants);</p> <p>Pillar 3, Priority (2) Building further on the position of the Alpine Region as world-class in terms of energy efficiency and sustainable production of renewable energy (methodology focus: green manufacturing).</p> <p>Platform and Labs will be open to ASS representatives.</p>

3.3 C.3.2.a. What are the synergies with past or current EU and other projects or initiatives the project makes use of?

GREENNOMED will implement synergies with those EU projects (ref. to C.3.2) which have

- a) provided evidence of existing “green and sustainable” industrial and manufacturing areas (and settled enterprises): gives already a list of motivated and interested stakeholders relevant for the transfer process;
- b) delivered guidelines to increase awareness on eco-industry: reduces risk of failure for dissemination activities and provides guidelines to effectively set up GREENNOMED platform and living labs, especially in those areas where the Vanguard Initiative is not known and established;
- c) provided models and tool to increase SMEs capacity on decision making about sustainable/green investments: helps to select entry points in SMEs ad to identify ways to support clusters in their involvement process;
- d) mapped financial mechanisms (public and private) and investors which may be in line and support “green” investments: public mechanisms may be a starting point to build on for innovation funding policies linked to green manufacturing / energy efficiency; private one will be analysed as potential complementary resources to be anchored to public mechanisms.

Review of the projects has been completed during the preparatory phase (WP0).

Synergies will be particularly relevant for Activities 2.2 and 2.3, 3.6, 4.3 and 4.5.

The synergic process activated during implementation will include:

- a) contact with Lead Partners & identified stakeholders,
- b) distribution of “as they are” deliverables to PPs,
- c) wrapping of relevant summaries and tables of selected deliverables – according to PPs roles and current knowledge - to be reused in the project,
- d) identification of key players (project partners and/or stakeholders) to be invited to appropriate events, GREENNOMED platform and regional living labs.
- These activities will all be embedded in Project Management (1.2) and in Project Community Management (2.2).

3.4 C.3.2.b. List of synergies.

	Programme and period	Project (Acronym)	Deliverable	Description – Linkage with the expected new project deliverables/outputs
1	Med 2007-2013	ECOMARK	Benchmarking Study ITA-ENG	Benchmarking Study of Eco-Industrial Parks and productive areas provides relevant stakeholder base for extending GREENNOMED platform and Living Labs beyond partners' stakeholders / clusters / regional representatives (2.2).
2	Med 2007-2013	ECOMARK	Ecomark Innovative Service Guidelines	Connection to 42 screened industrial areas will be used to further extend list of GREENNOMED platform and Living Labs interested actors (2.2). Additionally it will provide a solid list of target groups to be addressed with Diffusion and Dissemination Activities (2.3). It will be further exploited to extend the transferring activity (4.4).

3	Med 2007-2013	ECOMARK	Third Party Financing for Energy Savings Investments	While main focus of GREENOMED will be on energy efficient pilot plants, the mentioned deliverable will provide additional insights into financial mechanisms to increase green / energy efficient investments in SMEs / cluster members. It will extend Training Material (3.5) and potentially add knowledge to be transferred during Transfer Activities (4.2)
4	Med 2007-2013	MEID	MEID Database of Good practices for IAs	Connection to 46 industrial areas will be used to further extend list of GREENOMED platform and Living Labs interested actors (2.2). Additionally it will provide a solid list of target groups to be addressed with Diffusion and Dissemination Activities (2.3). It will be further exploited to extend the transferring activity
5	SEE 2007-2013	SEPA	SEPA Stakeholders List	The Stakeholder List will be used to further extend list of GREENOMED platform and Living Labs interested actors (2.2). Additionally it will provide a solid list of target groups to be addressed with Diffusion and Dissemination Activities (2.3). It will be further exploited to extend the transferring activity
6	SEE 2007-2013	SEPA	Benchmarking of SEPA AREAs through the results of the	The Description and benchmark of industrial areas will be used to further extend list of GREENOMED platform and Living Labs interested actors (2.2). Additionally it will provide a solid list of target groups to be addressed with Diffusion and Dissemination Activities (2.3). It will be further exploited to extend the transferring activity.

7	MED 2007-2013	ECO SCP MED	ECO SCP Toolkit	Tools to enhance the companies' capacity in the decision making process for the improvement of products and production processes sustainability will be considered as inputs when designing and planning Transfer Activities (4.2) targeted to Clusters. Policy Recommendation will be considered when designing and planning Transfer Activities (4.2) targete to Regional Authorities.
8	IEE 2007-2013	INDECO	Inventories and Benchmarks for Footwear and Tanneries (MED areas: IT, ES, PT)	The Deliverables will be used to further extend list of GREENOMED platform and Living Labs interested actors (2.2) to the footwear and tannery industry clusters. Additionally it will provide a solid list of target groups to be addressed with Diffusion and Dissemination Activities (2.3). It will be further exploited to extend the transferring activity.
9	INTERREG IVc	CIE	Cleantech Incubation Policy and Practice	The description of incubation infrastructures linked to clusters will be used to further extend list of GREENOMED platform and Living Labs interested actors (2.2) to the footwear and tannery industry clusters. Additionally it will provide a solid list of target groups to be addressed with Diffusion and Dissemination Activities (2.3). It will be further exploited to extend the transferring activity.
10	INTERREG IVc	reCOMMend	Regional Implementation Plans	The description of the plans andtheir actors will facilitate anchoring activities to events external to the MED area (2.7), where relevant.

3.5 C.3.3 How does the project build on available knowledge?

GRRENOMED project grounds on the experience realized by some Consortium partners in the “VANGUARD Initiative – New Growth Through Smart Specialization”. VANGUARD is a politically-driven network of Regions aiming at implementing innovation grounded on their Smart Specializations (www.s3vanguardinitiative.eu). AFIL/Lombardy Regional Authority and Eurecat/Accio), in particular, are leading the pilot initiative “ESM-Efficient and sustainable manufacturing”. This initiative aims at defining and implementing trans-regional projects for the realization of a European network of pilot plants supporting companies, especially SMEs, in the innovation of manufacturing products, processes and technologies. In the frame of ESM activities, a structured trans-national cooperation methodology was conceived for the bottom-up identification of high-priorities topics and applications for pilot plants, and for the setup of joint development projects achieving bigger critical mass compared to the one affordable by single Regions. The application of such a methodology is challenging due to the need to mobilize in coordination manufacturing stakeholders from different Regions and to facilitate the discussion between them for the setup of common goals based on the synergy and complementarities between multiple specializations. This methodology was only partially tested in some of the VANGUARD Regions and requires a wider multi-regional structured test and fine-tuning based on the mentioned experience.

In particular, it will be of high relevance to focus the method in the area of green manufacturing innovation. All Regions and Nations represented in the partnership, in fact, put green manufacturing on the top of their priorities, policies and innovation initiatives. In addition, there are results available from the research carried out in the last years (for example in the frame of FP7, Horizon 2020) that do not find application into concrete industrial green manufacturing practices.

4. C.4 Horizontal principles and evaluation

4.1 C.4.1 Please indicate which type of contribution to horizontal principles applies to the project, and justify the choice.

	Type of contribution	Description of the effect
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Sustainable development	positive effects	<p>Thematic Focus: the focuses on energy efficiency, a major component in sustainable development. The tested methodology opens the way to green manufacturing options in MED area. The method will produce positive effects on Water, Soil, Air and Climate. GREENNOMED provides evidence of the multiple benefits of energy efficiency (Production, operations & maintenance, working environment, environment) and its impact on sustainable development.</p> <p>Project Activities: meetings and events will consider environmental friendly mobility options (on site meeting places reachable by public transport), online meetings will be the main channel for ongoing cooperation, events arranged following sustainability criteria which will be common to all PPs.</p>
Equal opportunities and non-discrimination	positive effects	<p>In case of new employed staff for the project, GREENNOMED partners have committed themselves to take employment decisions only on the basis of job requirements and never on personal characteristics such as gender, race, nationality, ethnic origin, religion or belief, disability, age or sexual orientation.</p> <p>PPs will monitor project activities / events / training participation and give evidence of equal opportunities during each reporting period.</p> <p>Equal opportunities and non-discrimination will be always part of the communication and dissemination principles (and explicitly mentioned in public distributed materials).</p>
Equality between men and women	positive effects	<p>GREENNOMED Partners, the SC and all implementation structures will promote equal opportunities in the implementation of the action and ensure a balanced participation of women and men at all levels (management, operational, communication).</p> <p>Evidence of men and women participation will be provided during each reporting period.</p> <p>The principle of equality between men and women will be always part of the communication and dissemination principles (and explicitly mentioned in public distributed materials).</p>

4.2 C.4.2 Please indicate which type of evaluation is foreseen and justify the choice.

	-	Type of evaluation	Timeframe
Does the project foresee an evaluation?	Yes	internal	on-going

Please, describe the process of evaluation and how results will be taken into consideration

Project evaluation will be carried out through a structured plan, system and governance. Evaluation will regard different performance areas: progress of activities and planned financial expenditure; quality of coordination; quality and progress of communication, both internal and external; quality of project output; potential impact of project results. Methods will include the analysis of information from the project management system, review of deliverables, surveys among different target groups, technical analyses for the estimation of potential impacts (i.e. environmental savings and economic benefits), etc.

Results of evaluation will be used to detect deviations and proactively implement selective corrective actions. They will also be used as contents to for the communication to different target groups.

FRAUNHOFER will be responsible for project evaluation and quality management, in its role of methodological partner external to the MED Regions but linked to MED green innovation

5. C.5 Work plan

5.1 C.5.2. Detail of work packages (Automatically filled in)**0 Preparation costs**

1. Description of work package

Type of WP	Testing			M2
WP number	Type of WP	Starting date	Ending date	Amount
0	Preparation costs	02-2017	02-2017	30,000.00 €
Partners				
Participating partner	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA			
	Associazione Cluster Marche Manufacturing			
	Cluster "Intelligentna Energija" d.o.o.			
	National Research Council - Institute of Industrial Technologies and Automation			
	Croatian Chamber of Economy			
	EURECAT Foundation			
	Fraunhofer Institute for Machine Tools and Forming Technology			
	Interbalkan Environment Center			
	Plastipolis			
	Pomurje Technology Park			
Technology Park Ljubljana Ltd.				

Description of the work package
N/A

2. Activities and deliverables

0.1	Preparing a submitting a project proposal		Starting month	02-2017	Ending month	02-2017
	Type of activities	Preparing and submitting a project proposal	Target group			
	Description		N/A			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
0.1.1	Application Form	Application Form	1 Unit produced	02-2017	30,000.00 €
	Description		N/A		

1 Project management

1. Description of work package

Type of WP	Testing			M2
WP number	Type of WP	Starting date	Ending date	Amount
1	Project management	02-2017	07-2019	289,150.00 €
Partners				
Responsible partners	National Research Council - Institute of Industrial Technologies and Automation			
Participating partner	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA			
	Associazione Cluster Marche Manufacturing			
	Cluster "Inteligentna Energija" d.o.o.			
	National Research Council - Institute of Industrial Technologies and Automation			
	Croatian Chamber of Economy			
	EURECAT Foundation			
	Fraunhofer Institute for Machine Tools and Forming Technology			
	Interbalkan Environment Center			
	Plastipolis			
	Pomurje Technology Park			
	Technology Park Ljubljana Ltd.			
Description of the work package				
N/A				

2. Activities and deliverables

1.1	Administrative and financial management		Starting month	02-2017	Ending month	07-2019
	Type of activities	Managing administrative and financial issues	Target group			
	Description		A Project Steering Committee will be constituted and its working procedures will be decided. The Steering Committee will propose the establishment of additional supporting committees and task forces with specific roles, such as an external advisory committee. An information sharing platform will be established for sharing information and documents necessary to administrative, financial and project management. Based on the defined governance and tools, as well as on the implemented project management system, the Project Coordinator and all project partners will manage administrative and financial issues in terms of periodic reporting, progress assessment, implementation of necessary corrective actions, etc.			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.1.1	Steering and Technical committees procedures Guidelines	Method	1 Unit produced	04-2017	8,675.00 €
	Description	The deliverable will be a report (in the format of a Word document in English language) describing Steering Committee and other Committees composition, roles and procedures			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.1.2	Information sharing platform	Tool	1 Unit produced	05-2017	8,675.00 €
	Description	The deliverable will be a web-based platform for sharing documents relevant for administrative, financial and project management. If possible, the website provided by the Programme will be exploited with this purpose			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.1.3	Administrative and financial management course	Tool	1 Unit produced	04-2017	3,470.00 €
	Description	The deliverable will be a report on the administrative and financial management course that will be organized for Project Partners, including a power point presentation and schemes describing and explaining programme's requirements			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.1.4	Project Committees Meetings Minutes	Meeting	6 Unit produced	07-2019	48,577.00 €
	Description	Minutes of meetings of the Steering and other project Committees (in the form of Word documents in English language)			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.1.5	Project progress reports	Tool	5 Unit produced	07-2019	104,094.00 €
	Description	Periodic reports on technical and financial progress (in the form of Word documents in English language), including financial audits.			
1.2	Project Management: setting up common methodologies for actions	Starting month	02-2017	Ending month	05-2017
	Type of activities	Setting up common methodologies for actions	Target group		

	Description	A project management system will be established as unique common tool for managing the project. It will consist in a set of tools for managing information (i.e. templates and documents for technical and financial reporting), decision making and analysis tools (i.e. Gantt, swot analysis, etc.) and reference processes to follow by all partners (including procurement guidelines). The system will be an instrument at disposal of the Coordinator and all Partners to assess technical, temporal and financial progress with respect to the work plan, identify deviation and measure the effect of the implemented corrective actions. An internal training course will be organized to share common tools and methodologies			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.2.1	Guidelines for Project Management	Method	1 Unit produced	05-2017	14,458.00 €
	Description	The deliverable will be a report (in the form of a Word document in English language) indicating guidelines for project management			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.2.2	Tools for Project Management	Tool	1 Unit produced	05-2017	11,566.00 €
	Description	The deliverable will be a collection of documents (in the form of Word and Excel files) to be used for the reporting of technical and financial information. It will describe the adopted project management tools, too			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.2.3	Project Management course	Tool	1 Unit produced	05-2017	2,892.00 €

	Description	The deliverable will be a report (in the form of a Word document in English language) on the project management course that will be organized for Project Partners, including a power point presentation for the presentation of information			
1.3	Quality management: evaluating the project	Starting month	02-2017	Ending month	07-2019
	Type of activities	Evaluating the project	Target group		
	Description		Activities to guarantee project quality, based on a structured evaluation process, will be carried out. The evaluation will deal both with internal and external project performance. It will also include the evaluation of potential impacts in terms of environmental and economic benefits. A quality plan will be elaborated, defining the organization and governance for quality management, the processes for evaluating the project and a workplan. Tools will be developed to collect structured quality information, such as questionnaires, surveys and standard templates. A training course will be organized for partners to share methods and tools. Periodic quality and evaluation reports will be elaborated		
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.3.1	Project quality and evaluation plan	Method	1 Unit produced	04-2017	8,675.00 €
	Description		The deliverable will be a plan (in the form of a Word document in English language) indicating governance, method and time program for managing project quality		
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.3.2	Evaluation tools	Tool	1 Unit produced	04-2017	8,675.00 €

	Description	The deliverable will be a collection of documents such as questionnaires, templates, etc. (in the form of Word and Excel files) to be used for the collection of relevant information for evaluation and quality management			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.3.3	Project quality course	Tool	1 Unit produced	05-2017	3,470.00 €
	Description	The deliverable will be a report (in the form of a Word document in English language) on the project quality course that will be organized for Project Partners, including a power point presentation for the presentation of information			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
1.3.4	Evaluation and quality reports	Tool	4 Unit produced	07-2019	46,740.00 €
	Description	The deliverable will be periodic reports (in the form of Word documents in English language) presenting project evaluation and quality management actions			

2 Project communication

1. Description of work package

Type of WP	Testing			M2
WP number	Type of WP	Starting date	Ending date	Amount
2	Project communication	02-2017	07-2019	422,550.00 €
Partners				
Responsible partners	National Research Council - Institute of Industrial Technologies and Automation			
Participating partner	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA			
	Associazione Cluster Marche Manufacturing			
	Cluster "Intelligentna Energija" d.o.o.			
	National Research Council - Institute of Industrial Technologies and Automation			
	Croatian Chamber of Economy			
	EURECAT Foundation			
	Fraunhofer Institute for Machine Tools and Forming Technology			
	Interbalkan Environment Center			
	Plastipolis			
	Pomurje Technology Park			
	Technology Park Ljubljana Ltd.			
	ASTER S.Cons.p.A.			
	Catalan Agency for Business Competitiveness			

	Regional office of companies, competition, consumption, work and employment Rhône-Alpes
	Lombardy Region
	Marche Region
	Ministarstvo gospodarstva Republike Hrvatske
	REGION OF CENTRAL MACEDONIA
	Saxon State Ministry for Economic Affairs, Labour and Transport
	t2i – technology transfer and innovation
Description of the work package	
N/A	
Justification	
N/A	

2. Activities and deliverables

2.1	Communication strategy and planning		Starting month	02-2017	Ending month	07-2019
	Type of activities	Setting up common methodologies for actions	Target group			

	Description	<p>In this task project communication strategy and plan will be defined. Communication strategy will identify and characterize targets, type of messages to address, the suited mix of communication channels, as well as common tools and approaches for project communication.</p> <p>The communication plan will operationalize the strategy into an operative plan of communication actions. CNR-ITIA will propose major communication lines and all partners will actively contribute to strategy and plan definition, based on their regional communication needs (such as stakeholders proximity, language and cultural issues).</p> <p>Extreme care will be dedicated to the comprehensiveness of presentations and messages, and to guide partners to adopt an understandable language</p>
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Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.1.1	Communication strategy and plan	Plan	5 Unit produced	07-2019	21,128.00 €
	Description	The deliverable will be a report (in the form of a Word document in English language) defining communication strategy and plan. The report will be periodically updated every six months			

2.2	Creation and management of a project community		Starting month	06-2017	Ending month	07-2019
	Type of activities	Networking	Target group		Higher education and research Enterprise, except SME SME Business support organisation	

	Description	A community of stakeholders will be created and nourished around project scope and developments. Two action lines are foreseen: on one hand, the establishment of a GREENNOMED platform, constituted by the ensemble of regional platforms of companies, Clusters and policy makers committed and interested in the project. Platform members will debate and discussions triggered by project topics and developments. On the other hand, the creation of regional living labs around existing and under-development pilot plants supporting innovation in green manufacturing. Especially companies and, among them SMEs, will enter a collaborative environment where they can access advanced technologies and competences to boost innovation in green manufacturing.			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.2.1	GREENNOMED platform	Informal grouping of actors	8 Unit produced	07-2019	76,059.00 €
	Description	The deliverable will be the GREENNOMED platform established at the end of the project. Six months periodic reports (in the form of a Word document in English language) will be released to report activities and progress for platform establishment.			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.2.2	GREENNOMED living labs	Collaborative network	3 Unit produced	07-2019	50,706.00 €
	Description	The deliverable will be the living labs that will be constituted in the GREENNOMED Regions (at least three). Six months periodic reports (Word documents in English) will be released to report activities and progress for establishment of the labs.			
2.3	Diffusion and dissemination activities	Starting month	02-2017	Ending month	07-2019

	Type of activities	Delivering information	Target group	Regional public authority National public authority Higher education and research Enterprise, except SME SME Business support organisation General public Other
	Description		Information about the project and its developments will be diffused to the identified targets. A project flyer, poster and brochure will be realized (flyers customized to the different targets). Different channels will be used with respect to the goals: articles, conference proceedings and booklets for more scientific and industrial innovation target; newsletters and storytelling for companies; flyer and posters at events; social networks for the general public; press kit for relevant conferences and newspaper publications; etc.. Besides diffusion at European level, Partners will focus on their Regions according to the regional calendar of events and press style. Content will be periodically updated to be published on the MED web platform.	

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.3.1	Digital and written communication	Digital or written communication	120 Unit produced	07-2019	211,275.00 €
	Description		The deliverable will be 120 communications in total, considering all the disseminations channels and type of communication that will be used (web news, papers, presentations, newsletters, press conferences, etc.). Periodic six months reporting will illustrate the progress of communication activities.		
2.4	Project Conferences	Starting month	06-2017	Ending month	07-2019

	Type of activities	Exchanging information	Target group	Regional public authority National public authority Higher education and research Enterprise, except SME SME Business support organisation General public
	Description		In this task three project conferences will be organized to generate project awareness and to exchange information on intermediate and final results. The main targets will be the general public, industrial associations and political institutions. Meetings will be in M12 (in Greece), M24 (in Spain) and in M30 (in Italy). They will differ for contents and for the main type of audience: the first meeting will disseminate project scope and the potential of results mainly to the general public; the second will exchange major information about work in progress, mainly with industrial stakeholders; the final meeting will be mainly addressed to policy makers and representatives of the Institutions in order to make them aware about project results.	

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.4.1	Project Conferences	Public / political event	3 Unit produced	07-2019	42,255.00 €
	Description		The deliverable will be the three conferences. A report (in the form of a Word document in English language) illustrating the organization and main results of the three conferences will be provided.		

2.5	Coordination with Horizontal projects and capitalization activities	Starting month	02-2017	Ending month	07-2019
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	Type of activities	Coordinating with Horizontal projects communication and capitalisation activities	Target group	
	Description		In this task the communication activities for the contribution to and alignment with the assigned Horizontal project will be carried out. Periodic information to the Horizontal project will be provided in the format and deadlines that will be defined by the Programme. Planned communication activities at project level will be transmitted to the Horizontal project in advance. Finally, the coordinator and, if required other project partners, will participate to meetings and common actions organized by the Horizontal project in order to enrich its project/thematic community communication activity.	

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.5.1	Reports for coordination with Horizontal projects	Provision of information and data	3 Unit produced	07-2019	6,338.00 €
	Description		The deliverable will be periodic reports to report activities, provide data and information to the Horizontal project, following the guidelines that will be defined.		

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.5.2	Meetings within Horizontal projects	Meeting	3 Unit produced	07-2019	6,338.00 €
	Description		The deliverable will consists in reports documenting the meetings that will be attended in the frame of Horizontal project communication activities		

2.6	Contribution to Programme communication activities		Starting month	02-2017	Ending month	07-2019
	Type of activities	Contributing to Programme communication activities	Target group			

	Description	In this task activities to contribute to Programme communication activities will be carried out, according to requests and guidelines provided by the Programme. In particular, reporting will be elaborated to feed the Programme web platform and the participation to Programme meetings will be guaranteed.
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Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.6.1	Reports for Programme communication activities	Provision of information and data	3 Unit produced	07-2019	1,268.00 €
	Description	The deliverable will consists in reports documenting the meetings that will be attended in the frame of Programme communication activities.			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.6.2	Meetings reports within Programme communication activities	Meeting	3 Unit produced	07-2019	2,958.00 €
	Description	The deliverable will consists in reports documenting the meetings that will be attended in the frame of Programme communication activities.			

2.7	Participation to external events		Starting month	02-2017	Ending month	07-2019
	Type of activities	Participating to external events	Target group			
	Description		This activity will consist in the attendance to events outside the MED area. They will be highly relevant events that constitute a significant opportunity for project communication. In particular, due proximity of the project to the “Vanguard Initiative”, meetings are expected to take place in some of the Vanguard Regions outside the MED area.			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
2.7.1	Reports outside the MED area	Meeting	3 Unit produced	07-2019	4,226.00 €
	Description	The deliverable will consists in reports documenting the meetings that will be attended outside the MED area			

3 Testing

1. Description of work package

Type of WP	Testing			M2
WP number	Type of WP	Starting date	Ending date	Amount
3	Testing	02-2017	07-2018	967,000.00 €
Partners				
Responsible partners	Fraunhofer Institute for Machine Tools and Forming Technology			
Participating partner	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA			
	Associazione Cluster Marche Manufacturing			
	Cluster "Inteligentna Energija" d.o.o.			
	National Research Council - Institute of Industrial Technologies and Automation			
	Croatian Chamber of Economy			
	EURECAT Foundation			
	Fraunhofer Institute for Machine Tools and Forming Technology			
	Interbalkan Environment Center			
	Plastipolis			
	Pomurje Technology Park			
	Technology Park Ljubljana Ltd.			
	Catalan Agency for Business Competitiveness			
	Marche Region			

	Ministarstvo gospodarstva Republike Hrvatske
	t2i – technology transfer and innovation
	ASTER S.Cons.p.A.
	Lombardy Region
	REGION OF CENTRAL MACEDONIA
	Saxon State Ministry for Economic Affairs, Labour and Transport
Description of the work package	
N/A	
Justification	
N/A	

2. Activities and deliverables

3.1	WP coordination		Starting month	02-2017	Ending month	07-2018
	Type of activities	Coordinating the WP	Target group			
	Responsible partner		Fraunhofer Institute for Machine Tools and Forming Technology			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Minimum	
			Associazione Cluster Marche Manufacturing		Minimum	
Cluster "Intelligentna Energija" d.o.o.			Minimum			

		National Research Council - Institute of Industrial Technologies and Automation	Important
		Croatian Chamber of Economy	Minimum
		EURECAT Foundation	Minimum
		Fraunhofer Institute for Machine Tools and Forming Technology	Important
		Interbalkan Environment Center	Minimum
		Plastipolis	Minimum
		Pomurje Technology Park	Minimum
		Technology Park Ljubljana Ltd.	Minimum
	Location of the activities	Coordination activities will not have a physical place.	
Description	<p>This task will be aimed at coordinating activities with specific actions at WP level, considering the nature and needs of testing. WP Leader, together with Project Leader, will propose a work plan and a WP approach to be shared with Project Partners during the kick-off. The work plan will assign clear roles and responsibilities to PPs and activities will start accordingly. At the end of the WP, a training course will be organized for Partners that will animate the testing in the Consortium Regions in order to make homogeneous regional piloting actions.</p> <p>Usual project management activities, such as proactive push and follow up of tasks, progress assessment, planning of corrective actions in case of deviations, etc., are described in WPO.</p>		

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
3.1.1	Detailed testing workplan and WP approach	Method	1 Unit produced	03-2017	5,802.00 €

	Description	The deliverable will be a report (in the form of a power point presentation in English language) describing an approach and a detailed activities plan. It will indicate expected outputs and deadlines, as well as partners' roles and responsibilities				
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget	
3.1.2	Piloting training course	Tool	1 Unit produced	07-2017	13,538.00 €	
	Description	The deliverables will consist in a course with related supporting material (in the format of a PPT presentation in English language) on the testing process, format, governance, targets, Clusters services and testing detailed workplan.				
3.2	Pilot activities design and planning	Starting month	02-2017	Ending month	07-2017	
	Type of activities	Preparing pilot activities	Target group			
	Responsible partner		Fraunhofer Institute for Machine Tools and Forming Technology			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Minimum	
			Associazione Cluster Marche Manufacturing		Minimum	
			Cluster "Intelligentna Energija" d.o.o.		Minimum	
			Croatian Chamber of Economy		Minimum	
			EURECAT Foundation		Minimum	
Fraunhofer Institute for Machine Tools and Forming Technology			Important			

		National Research Council - Institute of Industrial Technologies and Automation	Important
		Interbalkan Environment Center	Minimum
		Plastipolis	Minimum
		Pomurje Technology Park	Minimum
		Technology Park Ljubljana Ltd.	Minimum
	Location of the activities	The activity will not have a physical location.	
Description	<p>In this task pilot activities will be designed and planned. A common format and process for testing will be defined. It will include the design of innovative services offered by Clusters, that will be necessary for the application of the methodology to define strategic trans-regional innovation projects in the area of green manufacturing.</p> <p>A regional analysis will be conducted to identify and select organizations to be involved in the testing. Regional industrial databases and reports, established networks of Consortium partners and eventual indications by Regional Authorities will be exploited with this purpose. A common time plan and governance will be defined for piloting in different Regions in order to enable trans-regional cooperation.</p>		

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
3.2.1	Testing method, format and planning	Preliminary study	1 Unit produced	07-2017	48,350.00 €
	Description	The deliverable will be a report (in the format of a Word document in English language) describing the testing process, format, governance, targets, expected Clusters services and testing detailed workplan.			
3.3	Pilot activities implementation	Starting month	07-2017	Ending month	04-2018

	Type of activities	Testing (processes, techniques, models, tools, methods and services)	Target group	Higher education and research Enterprise, except SME SME Business support organisation
	Responsible partner		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	Important
			Associazione Cluster Marche Manufacturing	Important
			Cluster "Intelligentna Energija" d.o.o.	Important
			Croatian Chamber of Economy	Important
			EURECAT Foundation	Important
			Fraunhofer Institute for Machine Tools and Forming Technology	Important
			National Research Council - Institute of Industrial Technologies and Automation	Important
			Interbalkan Environment Center	Important
			Plastipolis	Important
			Pomurje Technology Park	Important
	Technology Park Ljubljana Ltd.	Important		

	Location of the activities	Haute-Savoie, Rhône, Savoie, Loire, Isère, Drôme, Ardèche, Ain, Fermo, Ascoli Piceno, Macerata, Ancona, Pesaro e Urbino, Monza e della Brianza, Milano, Mantova, Cremona, Lodi, Pavia, Brescia, Bergamo, Sondrio, Lecco, Como, Varese, Obalno-kraška, Goriška, Gorenjska, Osrednjeslovenska, Primorsko-notranjska, Jugovzhodna Slovenija, Posavska, Zasavska, Savinjska, Koroška, Podravska, Pomurška, Primorsko-goranska županija, Ličko-senjska županija, Zadarska županija, Šibensko-kninska županija, Splitsko-dalmatinska županija, Istarska županija, Dubrovačko-neretvanska županija, Grad Zagreb, Zagrebačka županija, Krapinsko-zagorska županija, Varaždinska županija, Koprivničko-križevačka županija, Požeško-slavonska županija, Virovitičko-podravska županija, Međimurska županija, Bjelovarsko-bilogorska županija, Sisačko-moslavačka županija, Karlovačka županija, Vukovarsko-srijemska županija, Osječko-baranjska županija, Brodsko-posavska županija, Tarragona, Lleida, Girona, Barcelona, Vogtlandkreis, Zwickau, Mittelsachsen, Erzgebirgskreis, Chemnitz, Kreisfreie Stadt, Χαλκιδική, Σέρρες, Πιερία, Πέλλα, Κιλκίς, Ημαθία, Θεσσαλονίκη. Piloting will be carried out in Regions where project partners are based.			
	Description	In this task pilot activities will be implemented in the concerned Regions according to the defined workplan. Clusters will be the focal actors for the testing of the methodology, for which they will offer services to local companies and organizations. They will coordinate a collaborative process for the bottom-up intra-regional identification of priority innovation projects in the area of green manufacturing on one side. On the other side, they will support trans-regional cooperation with other Clusters to identify synergies with projects that will emerge in other Regions. Scientific partners and Clusters experienced in the methodology (from Lombardy and Spain) will support other participants from the methodological point of view.			
	Are economic operators going to be involved in the pilot activities?	No			
	Involvement of economic operators				
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget

3.3.1	Testing Report		Tool	1 Unit produced	04-2018	744,590.00 €
	Description		The deliverable will be a report (in the format of a Word document in English language) describing the implemented testing activities in the concerned Regions.			
3.4	Pilot activities evaluation		Starting month	02-2018	Ending month	07-2018
	Type of activities	Evaluating processes, techniques, models, tools, methods and services	Target group			
	Responsible partner		Fraunhofer Institute for Machine Tools and Forming Technology			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Important	
			Associazione Cluster Marche Manufacturing		Important	
			Cluster "Inteligentna Energija" d.o.o.		Important	
			National Research Council - Institute of Industrial Technologies and Automation		Medium	
			Croatian Chamber of Economy		Important	
			EURECAT Foundation		Important	
			Fraunhofer Institute for Machine Tools and Forming Technology		Medium	
Interbalkan Environment Center			Important			
Plastipolis			Important			
Pomurje Technology Park		Important				

		Technology Park Ljubljana Ltd.	Important		
	Location of the activities	<p>Haute-Savoie,Rhône,Savoie,Loire,Isère,Drôme,Ardèche,Ain,Wittenberg,Salzlandkreis,Stendal,Saalekreis,Mansfeld-Südharz,Harz,Burgenland (DE),Anhalt-Bitterfeld,Jerichower Land,Börde,Altmarkkreis Salzwedel,Magdeburg, Kreisfreie Stadt,Halle (Saale), Kreisfreie Stadt,Dessau-Roßlau, Kreisfreie Stadt,Φλώρινα,Καστοριά,Γρεβενά, Κοζάνη,Fermo,Ascoli Piceno,Macerata,Ancona,Pesaro e Urbino,Monza e della</p> <p>Brianza,Milano,Mantova,Cremona,Lodi,Pavia,Brescia,Bergamo,Sondrio,Lecco,Como,Varese,Obalno-kraška,Goriška,Gorenjska,Osrednjeslovenska,Primorsko-notranjska,Jugovzhodna</p> <p>Slovenija,Posavska,Zasavska,Savinjska,Koroška,Podravska,Pomurska,Primorsko-goranska županija,Ličko-senjska županija,Zadarska županija,Šibensko-kninska županija,Splitsko-dalmatinska županija,Istarska županija,Dubrovačko-neretvanska županija,Grad Zagreb,Zagrebačka županija,Krapinsko-zagorska županija,Varaždinska županija,Koprivničko-križevačka županija,Požeško-slavonska županija,Virovitičko-podravska županija,Međimurska županija,Bjelovarsko-bilogorska županija,Sisačko-moslavačka županija,Karlovačka županija,Vukovarsko-srijemska županija,Osječko-baranjska županija,Brodsko-posavska županija,Pilot activities evaluation will take place in the Regions where the methodology will be tested.</p>			
	Description	<p>Results of testing activities will be evaluated under different perspectives, i.e the participation of companies in the Regions, the level of trans-regional cooperation, the suitability of the methodology, the results of its application (in terms of number and type of identified strategic innovation projects, etc.), the quality and benefits of offered services experienced by companies, etc.</p> <p>Evaluation criteria and indicators will be established and Regional partners will support the assessment in their Regions. Evaluation of testing results will provide elements to optimize the designed methodology and services, as well as to estimate impacts and benefits.</p>			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget

3.4.1	Testing evaluation report		Report	1 Unit produced	07-2018	87,030.00 €
	Description		The deliverable will consist in a report (Word documents in English language) describing the evaluation criteria, the results of testing in different Regions and providing indication to optimize the methodology and services accordingly.			
3.5	Elaboration of transfer method and tools		Starting month	02-2018	Ending month	07-2018
	Type of activities	Transferring knowledge / know-how / expertise	Target group			
	Responsible partner		Plastipolis			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Medium	
			Catalan Agency for Business Competitiveness		Minimum	
			Associazione Cluster Marche Manufacturing		Minimum	
			Cluster "Intelligentna Energija" d.o.o.		Minimum	
			Croatian Chamber of Economy		Minimum	
			EURECAT Foundation		Medium	
			Fraunhofer Institute for Machine Tools and Forming Technology		Medium	
			National Research Council - Institute of Industrial Technologies and Automation		Medium	
Interbalkan Environment Center			Minimum			
Marche Region			Minimum			

		Ministarstvo gospodarstva Republike Hrvatske	Minimum
		Plastipolis	Important
		Pomurje Technology Park	Minimum
		Technology Park Ljubljana Ltd.	Minimum
		t2i – technology transfer and innovation	Minimum
	Location of the activities	The activity will not take place in a specific location.	
	Description	Based on the evaluation results, a training method and training material will be realized to transfer the optimized methodology and the designed Cluster services. Two main training targets will be addressed for transfer: Clusters and Regional Authorities. Clusters should embrace the new service offering in order to implement the tested methodology, while policy makers should considered priority innovation projects resulting from the application of the methodology when defining innovation policies in their Regions. Methodology and training contents will be tailored to the two audiences. Research partners will have a major role in this task, while Clusters and other partners will guarantee that results will be adequate to the audience	

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
3.5.1	Training material	Training material	1 Unit produced	07-2018	33,845.00 €
	Description	The deliverable (in the format of a PPT presentation in English language) will consist in a presentation to transfer the acquired knowledge and expertise to Clusters and Regional Authorities			

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
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3.5.2	Training methodology		Training course	1 Unit produced	07-2018	14,505.00 €
	Description		The deliverable (in the format of a Word document in English language) will describe the methods and formats that will be used as a standard to transfer the tested methodology and services to the training audiences within and after the project.			
3.6	Seminar on results of testing activities		Starting month	04-2018	Ending month	07-2018
	Type of activities	Exchanging information	Target group		Regional public authority Higher education and research Enterprise, except SME SME Business support organisation	
	Responsible partner		Plastipolis			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Medium	
			ASTER S.Cons.p.A.		Minimum	
			Catalan Agency for Business Competitiveness		Minimum	
			Associazione Cluster Marche Manufacturing		Medium	
			Cluster "Inteligentna Energija" d.o.o.		Medium	
National Research Council - Institute of Industrial Technologies and Automation			Important			
Croatian Chamber of Economy			Medium			

		EURECAT Foundation	Medium
		Fraunhofer Institute for Machine Tools and Forming Technology	Important
		Interbalkan Environment Center	Medium
		Lombardy Region	Minimum
		Marche Region	Minimum
		Ministarstvo gospodarstva Republike Hrvatske	Minimum
		Plastipolis	Important
		Pomurje Technology Park	Medium
		REGION OF CENTRAL MACEDONIA	Minimum
		Saxon State Ministry for Economic Affairs, Labour and Transport	Minimum
		Technology Park Ljubljana Ltd.	Medium
		t2i – technology transfer and innovation	Minimum
	Location of the activities	Haute-Savoie, Rhône, Savoie, Loire, Isère, Drôme, Ardèche, Ain, The seminar will be organized in the Rhone Alpes Regions, but the audience will be European and invitations will be made also to organizations if MED Regions not represented in the Consortium.	

	Description	At the end of the testing WP (Month 18), a seminar will be organized in France to exchange information with relevant stakeholders (mainly Clusters but also companies and research/innovation organizations) on the piloting developed activities, results and opportunities for transfer. Stakeholders will include European Clusters in the MED area, companies, Regional Authorities and innovation/policy organizations that will have been included in the project community. The scope of the seminar will be to diffuse the experience of testing and to attract organizations that can be potential beneficiaries of future transfer actions.			
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
3.6.1	Testing Seminar	Technical event	1 Unit produced	07-2018	19,340.00 €
	Description	The deliverable (in the format of a Word Document and PPT presentations in English language) will describe the seminar that will be organized, the contents, main discussions and the feedback from the audience.			

3. Main outputs

Main project output	Description	Quantity	Ending month	Output indicator	
Output 3.1	Trans-national cooperation methodology	Tested trans-regional cooperation methodology for the design and implementation of pilot plants networks supporting green manufacturing innovation	1 Instruments	07-2018	Number of operational instruments to favour innovation of SMEs

Output 3.2	Trans-regional cooperation services offered by Clusters to SMEs	Definition of services that Clusters and similar organizations will offer to SMEs and enterprises to support the establishment and exploitation of a European network of pilot plants boosting green manufacturing innovation. Service contents, supply guidelines and supporting documents/tools will be defined	4 Instruments	07-2018	Number of operational instruments to favour innovation of SMEs
Output 3.3	Enterprises involved in the collaborative design and setup of pilot plants through services offered by Clusters	Enterprises will participate to the trans-regional process of pilot plants projects design, supported by Clusters that will orchestrate the testing of the cooperation methodology.	100 Organisations	07-2019	Number of enterprises receiving non-financial support
Output 3.4	Transnational innovation Clusters ready to offer cooperation services	Clusters and similar business organizations belonging to the project consortium will have acquired the methodology and tools to offer innovative trans-regional cooperation services to companies for the design and establishment of European networks of pilot plants supporting green manufacturing innovation, according to the tested methodology	4 Clusters	03-2018	Number of transnational innovation clusters supported

4 Transferring

1. Description of work package

Type of WP	Testing			M2
WP number	Type of WP	Starting date	Ending date	Amount
4	Transferring	08-2018	07-2019	341,300.00 €
Partners				
Responsible partners	EURECAT Foundation			
Participating partner	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA			
	Associazione Cluster Marche Manufacturing			
	Cluster "Intelligentna Energija" d.o.o.			
	National Research Council - Institute of Industrial Technologies and Automation			
	Croatian Chamber of Economy			
	EURECAT Foundation			
	Fraunhofer Institute for Machine Tools and Forming Technology			
	Interbalkan Environment Center			
	Plastipolis			
	Pomurje Technology Park			
	Technology Park Ljubljana Ltd.			
	ASTER S.Cons.p.A.			
	Catalan Agency for Business Competitiveness			

	Lombardy Region
	Marche Region
	Ministarstvo gospodarstva Republike Hrvatske
	REGION OF CENTRAL MACEDONIA
	Saxon State Ministry for Economic Affairs, Labour and Transport
	t2i – technology transfer and innovation
	Regional office of companies, competition, consumption, work and employment Rhône-Alpes
Description of the work package	
Justification	

2. Activities and deliverables

4.1	WP Coordination		Starting month	08-2018	Ending month	07-2019
	Type of activities	Coordinating the WP	Target group			
	Responsible partner		EURECAT Foundation			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Minimum	
			Associazione Cluster Marche Manufacturing		Minimum	
Cluster "Intelligentna Energija" d.o.o.			Minimum			

		National Research Council - Institute of Industrial Technologies and Automation	Important
		Croatian Chamber of Economy	Minimum
		EURECAT Foundation	Important
		Fraunhofer Institute for Machine Tools and Forming Technology	Minimum
		Interbalkan Environment Center	Minimum
		Plastipolis	Minimum
		Pomurje Technology Park	Minimum
		Technology Park Ljubljana Ltd.	Minimum
	Location of the activities	The activity will not take place in a precise location.	
Description	<p>This task will be aimed at coordinating specific activities at WP level. WP Leader, together with Project Leader, will propose a detailed work plan and a WP approach to be shared with all Partners during the M18 meeting in France. The work plan will assign clear roles and responsibilities, and activities will start accordingly. At M24, during the meeting that will take place in Spain to prepare transfer events, a training course will be supplied to Partners that will be responsible for transfer actions, in order to make the approach homogeneous in all Regions. Usual project management activities, such as proactive push and follow up of tasks, progress assessment, corrective actions in case of deviations, etc., are described in WP0.</p>		

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
4.1.1	Detailed transfer workplan and WP approach	Method	1 Unit produced	09-2018	3,072.00 €

	Description	The deliverable will be a report (in the form of a power point presentation in English language) describing an approach and a detailed activities plan. It will indicate expected outputs and deadlines, as well as partners' roles and responsibilities.				
Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget	
4.1.2	Transferring training course	Tool	1 Unit produced	01-2019	7,167.00 €	
	Description	The deliverable will consist in a course for Clusters responsible of the transfer actions with related supporting material (a PPT presentation in English language) on the transfer process, format and targets, together with a workplan to be followed				
4.2	Transfer activities design and planning		Starting month	08-2018	Ending month	11-2018
	Type of activities	Transferring tested processes, techniques, models, tools, methods and services	Target group			
	Responsible partner		EURECAT Foundation			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Minimum	
			Associazione Cluster Marche Manufacturing		Minimum	
			Cluster "Intelligentna Energija" d.o.o.		Minimum	
			National Research Council - Institute of Industrial Technologies and Automation		Important	
			Croatian Chamber of Economy		Minimum	
EURECAT Foundation			Important			

		Fraunhofer Institute for Machine Tools and Forming Technology	Minimum
		Interbalkan Environment Center	Minimum
		Plastipolis	Minimum
		Pomurje Technology Park	Minimum
		Technology Park Ljubljana Ltd.	Minimum
	Location of the activities	The activity will not be carry out in a physical location.	
Description	A common approach and format to transfer testing results will be defined, based on the transfer tools developed in WP3. Relevant targets for transfer (i.e. Cluster external to the Consortium that can impact on and benefit from green manufacturing innovation) will be identified in each Region. Additionally to Clusters, the transfer will be made to Regional Authorities that will participate to the project as Associate Partners. A detailed transfer workplan to the identified targets will be then defined in all the concerned Regions. An analysis will be carried out to outline the potential impacts of a wider transfer of project results in the MED area, in order to assess the benefits and prepare the field to future capitalization actions.		

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
4.2.1	Transfer methodology and plan	Method	1 Unit produced	11-2018	17,065.00 €
	Description	The deliverable will be a report (in the format of a Word document in English language) describing transfer approach, format and workplan within the project, as well as potential benefits from a wider transfer in the MED area.			
4.3	Event to establish the transfer process	Starting month	10-2018	Ending month	01-2019

Type of activities	Exchanging information	Target group	Regional public authority Business support organisation
Responsible partner		EURECAT Foundation	
Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	Minimum
		ASTER S.Cons.p.A.	Minimum
		Catalan Agency for Business Competitiveness	Minimum
		Associazione Cluster Marche Manufacturing	Minimum
		Cluster "Intelligentna Energija" d.o.o.	Minimum
		National Research Council - Institute of Industrial Technologies and Automation	Important
		Croatian Chamber of Economy	Minimum
		EURECAT Foundation	Important
		Fraunhofer Institute for Machine Tools and Forming Technology	Minimum
		Interbalkan Environment Center	Minimum
		Lombardy Region	Minimum
		Marche Region	Minimum
		Ministarstvo gospodarstva Republike Hrvatske	Minimum
Plastipolis	Minimum		

		Pomurje Technology Park	Minimum
		REGION OF CENTRAL MACEDONIA	Minimum
		Saxon State Ministry for Economic Affairs, Labour and Transport	Minimum
		Technology Park Ljubljana Ltd.	Minimum
		t2i – technology transfer and innovation	Minimum
	Location of the activities	Tarragona,Lleida,Girona,Barcelona,The event will be organized in Catalunya but the audience will be European.	
	Description	Before starting the single transfer actions, a technical event will be organized in M24 in Spain, in order to exchange information with relevant stakeholders on opportunities, methods and tools to transfer GREENOMED results to other Clusters and Regional Authorities. The event will also have the scope to prepare Clusters and Regional Authorities that will be the target of the transfer by aligning the objectives of the transfer, the basic understanding of the methodology and of its potential benefits, etc.. In this way, targeted Clusters and Regional Authorities can internally identify and involve the right representatives for the maximum benefit of the initiative.	

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
4.3.1	Transfer Seminar Report	Technical event	1 Unit produced	01-2019	17,065.00 €
	Description	The deliverable will be a report (in the format of a Word document in English language) describing the event that will be organized and its results			
4.4	Transferring results to other Clusters	Starting month	02-2019	Ending month	07-2019

Type of activities	Transferring knowledge / know-how / expertise	Target group	Business support organisation
Responsible partner		National Research Council - Institute of Industrial Technologies and Automation	
Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	Medium
		ASTER S.Cons.p.A.	Minimum
		Associazione Cluster Marche Manufacturing	Medium
		Cluster "Intelligentna Energija" d.o.o.	Medium
		Croatian Chamber of Economy	Medium
		EURECAT Foundation	Important
		Fraunhofer Institute for Machine Tools and Forming Technology	Medium
		National Research Council - Institute of Industrial Technologies and Automation	Important
		Interbalkan Environment Center	Important
		Plastipolis	Important
		Pomurje Technology Park	Medium
		Technology Park Ljubljana Ltd.	Medium
		t2i – technology transfer and innovation	Important

	Location of the activities	<p>Primorsko-goranska županija, Ličko-senjska županija, Zadarska županija, Šibensko-kninska županija, Splitsko-dalmatinska županija, Istarska županija, Dubrovačko-neretvanska županija, Grad Zagreb, Zagrebačka županija, Krapinsko-zagorska županija, Varaždinska županija, Koprivničko-križevačka županija, Požeško-slavonska županija, Virovitičko-podravsk županija, Međimurska županija, Bjelovarsko-bilogorska županija, Sisačko-moslavačka županija, Karlovačka županija, Vukovarsko-srijemska županija, Osječko-baranjska županija, Brodsko-posavska županija, Haute-Savoie, Rhône, Savoie, Loire, Isère, Drôme, Ardèche, Ain, Tarn-et-Garonne, Tarn, Hautes-Pyrénées, Lot, Gers, Haute-Garonne, Aveyron, Ariège, Pyrénées-Orientales, Lozère, Hérault, Gard, Aude, Corse-du-Sud, Haute-Corse, Alpes-de-Haute-Provence, Hautes-Alpes, Alpes-Maritimes, Bouches-du-Rhône, Var, Vaucluse, Sächsische Schweiz-Osterzgebirge, Meißen, Görlitz, Bautzen, Dresden, Kreisfreie Stadt, Φωκίδα, Φθιώτιδα, Ευρυτανία, Εύβοια, Βοιωτία, Λακωνία, Μεσσηνία, Κορινθία, Αργολίδα, Αρκαδία, Αχαΐα, Ηλεία, Αιτωλοακαρνανία, Λευκάδα, Ιθάκη, Κεφαλληνία, Κέρκυρα, Ζάκυνθος, Μαγνησία, Λάρισα, Καρδίτσα, Τρίκαλα, Ιωάννινα, Θεσπρωτία, Άρτα, Πρέβεζα, Φλώρινα, Καστοριά, Γρεβενά, Κοζάνη, Χαλκιδική, Σέρρες, Περίαι, Πέλλα, Κιλκίς, Ημαθία, Θεσσαλονίκη, Ξάνθη, Ροδόπη, Δράμα, Θάσος, Καβάλα, Έβρος, Χανιά, Ρεθύμνη, Λασιθί, Ηράκλειο, Άνδρος, Θήρα, Κέα, Μήλος, Μύκονος, Νάξος, Πάρος, Σύρος, Τήνος, Κάλυμνος, Κάρπαθος, Κως, Ρόδος, Χίος, Ικαρία, Σάμος, Λέσβος, Λήμνος, Πειραιάς, Νήσοι, Δυτική Αττική, Ανατολική Αττική, Νότιος Τομέας Αθηνών, Κεντρικός Τομέας Αθηνών, Δυτικός Τομέας Αθηνών, Βόρειος Τομέας Αθηνών, Vercelli, Torino, Alessandria, Asti, Cuneo, Novara, Verbano-Cusio-Ossola, Biella, Fermo, Ascoli Piceno, Macerata, Ancona, Pesaro e Urbino, Rimini, Forlì-Cesena, Ravenna, Ferrara, Bologna, Modena, Reggio nell'Emilia, Parma, Piacenza, Padova, Rovigo, Treviso, Venezia, Vicenza, Belluno, Verona, Monza e della Brianza, Milano, Mantova, Cremona, Lodi, Pavia, Brescia, Bergamo, Sondrio, Lecco, Como, Varese, La Spezia, Genova, Savona, Imperia, Obalno-kraška, Goriška, Gorenjska, Osrednjeslovenska, Primorsko-notranjska, Jugovzhodna Slovenija, Posavska, Zasavska, Savinjska, Koroška, Podravska, Pomurška, Valencia / València, Castellón / Castelló, Alicante / Alacant, Tarragona, Lleida, Girona, Barcelona, Zaragoza, Teruel, Huesca, Sevilla, Jaén, Málaga, Huelva, Granada, Córdoba, Cádiz, Almería, Murcia, Transfer will be addressed to other Regions of the Partners' Nations, as well as to other MED Regions not represented in the Consortium.</p>
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	Description	In this task the planned transfer actions will be implemented according to the defined workplan and common approach. Regional partners will be responsible to carry out at least one transfer action per Region to a Cluster or Business Support Organization external to the Consortium. The addressed Clusters or Business Support Organization will be located in the partners' Region or Nation. Clusters will have a major role in this task, with the intent of increasing trans-clusters cooperation.
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Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
4.4.1	Training Course Report	Training course	1 Unit produced	07-2019	146,759.00 €
	Description	The deliverable will be a report (in the format of a Word document in English language) of the training courses organized for transferring purpose to Clusters and other business support organizations.			

4.5	Transferring results to Regional Authorities		Starting month	02-2019	Ending month	07-2019
	Type of activities	Transferring knowledge / know-how / expertise	Target group		Regional public authority	
	Responsible partner		National Research Council - Institute of Industrial Technologies and Automation			
	Participating partners / Involvement		AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA		Important	
			ASTER S.Cons.p.A.		Minimum	
Catalan Agency for Business Competitiveness			Important			
Associazione Cluster Marche Manufacturing			Important			

		Cluster "Inteligentna Energija" d.o.o.	Important
		Croatian Chamber of Economy	Important
		Regional office of companies, competition, consumption, work and employment Rhône-Alpes	Minimum
		EURECAT Foundation	Important
		Fraunhofer Institute for Machine Tools and Forming Technology	Important
		National Research Council - Institute of Industrial Technologies and Automation	Medium
		Interbalkan Environment Center	Important
		Lombardy Region	Important
		Marche Region	Important
		Ministarstvo gospodarstva Republike Hrvatske	Important
		Plastipolis	Important
		Pomurje Technology Park	Important
		REGION OF CENTRAL MACEDONIA	Important
		Saxon State Ministry for Economic Affairs, Labour and Transport	Important
		Technology Park Ljubljana Ltd.	Important
		t2i – technology transfer and innovation	Minimum

	Location of the activities	<p>Primorsko-goranska županija, Ličko-senjska županija, Zadarska županija, Šibensko-kninska županija, Splitsko-dalmatinska županija, Istarska županija, Dubrovačko-neretvanska županija, Grad Zagreb, Zagrebačka županija, Krapinsko-zagorska županija, Varaždinska županija, Koprivničko-križevačka županija, Požeško-slavonska županija, Virovitičko-podravska županija, Međimurska županija, Bjelovarsko-bilogorska županija, Sisačko-moslavačka županija, Karlovačka županija, Vukovarsko-srijemska županija, Osječko-baranjska županija, Brodsko-posavska županija, Haute-Savoie, Rhône, Savoie, Loire, Isère, Drôme, Ardèche, Ain, Φλώρινα, Καστοριά, Γρεβενά, Κοζάνη, Fermo, Ascoli Piceno, Macerata, Ancona, Pesaro e Urbino, Monza e della Brianza, Milano, Mantova, Cremona, Lodi, Pavia, Brescia, Bergamo, Sondrio, Lecco, Como, Varese, Obalno-kraška, Goriška, Gorenjska, Osrednjeslovenska, Primorsko-notranjska, Jugovzhodna Slovenija, Posavska, Zasavska, Savinjska, Koroška, Podravska, Pomurška, Tarragona, Lleida, Girona, Barcelona, Addressed Regional Authorities will be the ones participating to the project as Associate Partners. However, also other Public Authorities of the MED Nations represented by the partners will be addressed.</p>
	Description	<p>In this task Regional partners will be responsible to carry out at least one transfer action per Region to a Regional Authority. All Regional Authorities participating to the project as Associate Partners will be reached.</p> <p>Clusters will have a major role in this task, with the intent of reinforcing their relationship with Regional Authorities.</p>

Deliverable number	Deliverable title	Type of deliverable	Target value	Finalisation month	Indicative budget
4.5.1	Tailored event reports	Tailored event	1 Unit produced	07-2019	150,172.00 €
	Description	The deliverable will be a report (in the format of a Word document in English language) describing the results of the transfer actions to Regional Authorities that will be carried out in all Regions			

3. Main outputs

Main project output		Description	Quantity	Ending month	Output indicator
Output 4.1	Transnational innovation Clusters ready to offer cooperation services	Clusters and similar business organizations external to the project consortium, plus two Associated Partners, will have acquired the methodology and tools to offer innovative trans-regional cooperation services to companies for the design and establishment of European networks of pilot plants supporting green manufacturing innovation, according to the tested methodology.	4 Clusters	07-2019	Number of transnational innovation clusters supported

5.2 C.5.3. WP0 : Project preparation : Description

This WP aimed at conceiving and elaborating the GREENOMED project application form. The project aims at testing and transferring a collaborative trans-regional working methodology for the identification and design of innovative pilot plants supporting innovation in the green manufacturing area. This methodology was developed in the frame of the “Vanguard ESM-Efficient and Sustainable Manufacturing” Pilot Initiative.

Project applicants leading the “Vanguard ESM” Pilot Initiative - CNR/ITIA, AFIL and EURECAT - were the triggers and the main designers of the proposal which has been originally launched in Milan on June 15-16th 2015 where Fgh IWU and PLASTIPOLIS were also present. During that meeting MED areas to be involved were discussed and analyzed.

In particular, Lombardy actors CNR-ITIA and AFIL were the promoters and acted as main developers. The joint development cooperation principle has been adopted.

Namely, partners were involved with the following roles:

1) Development of project proposal: they approved the project concept, context and workplan, checked and confirmed that regional and national priorities are in line with it, and provided suggestions and indications to elaborate the final proposal. All partners provided required data and information to fill the application form.

2) Defined how the project will operate and additionally, engaged a relationship with their Regional Authorities in order to invite them as Associate partners in the project.

The Slovenian Ministry of Economy supports the project with a Support Letter.

3) Identified knowledge and experience to be shared within the project and expectations.

Several meetings took place for proposal preparation. They were mainly bilateral meetings supported by teleconference systems. On site meetings were especially dedicated to ensure commitment of regional authorities.

5.3 C.5.4. WP1 : Project management : Description

Guarantees that project results are produced in due time, with the planned quality level & within the approved budget.

It will: i) activate a project management system providing reliable and updated information to implement project management actions; ii) manage administrative & financial issues; iii) manage project quality along a structured evaluation process.

A Steering Committee (SC) - 1 representative of each partner- will monitor contents progress, assess financials, produce reports, enable overall coordination & homogeneous approach in the WPs, manage unexpected events. LP will relate with MA/JS.

It will cooperate with other specific Committees: Project Evaluation, Quality and Communication Committees.

Structured project monitoring and periodic meetings will anticipate eventual problems and deviations and put in place suitable corrective actions at the right time.

A calendar of meetings is already scheduled (dates & locations) with plenary project mgt meetings every 6 months. This calendar combines different type of meetings in the same dates to minimize travel costs, maximize project sustainability and assure a wider participation of partners.

Besides plenary meetings, the SC will meet at least monthly using streaming systems. Restricted on-purpose meetings will be organized based on the needs of project activities.

The Project coordinator, supported by EU project experienced methodological partners (Eurecat and FgH IWU), will propose common methods & tools for the approval of all partners. All partners will participate in project management within the responsibilities of their project activities. FhG IWU will take the responsibility for quality management and evaluation. Joint Implementation (Leader responsibilities, WP leaders tasks and partners commitment), Staffing (a project organization chart has been shared) and Financing (financial balanced and responsibility related budget has been allocated) will be essential project management principles

5.4 C.5.5. WP2 : Project communication : Description

Main goal of WP2 will be to communicate the increase of manufacturing sustainability through the testing and transfer of the “Vanguard ESM methodology” to industrial Clusters and policy makers in the MED Regions. This objective defines WP2 targets to be addressed: Clusters & similar organizations, Regional Authorities, Companies, Industrial Associations, European Initiatives (such as “Vanguard”, ERRIN, etc.), Citizens.

The communication strategy will define the mix of channels to use for the different targets in the different involved Regions (communication material will be adapted to targets & translated in the different languages).

Activities foreseen:

- i) dissemination of project results via publications in reviews, journals & local press, conference proceedings and presentations, distribution of brochures & flyers at relevant events, social media. Story telling and case studies will be used, to transmit concreteness and simplicity. A set of already planned key annual events on green & innovative manufacturing have been identified in all participating countries/MED areas: IT (3), ES (2), FR (4), HR (2), SI (3), EL (1)
- ii) the organization of 3 project Conferences, tailored to different main audiences and contents, to generate project awareness and political/social relevance;
- iii) the creation of a stable community of stakeholders around project topics through a platform and living labs in the MED Regions that can act as seeds to implement actions to industrially implement project results in the near future.

Internal communication to achieve alignment and active involvement of all partners will be carried out.

In order to communicate the project as one of the pillars of a thematic MED Programme community, proactive communication towards the Horizontal project and the Programme will be assured.

Communication performance & impact will be evaluated within project management activities.

The communication plan will set the minimum communication requirements

5.5 C.5.6. WP2 : Project communication : Explanation

Project communication activities will be carried out through the involvement of all partners, that will share communication progress and experience with the rest of the Consortium. Coordination and collection of information and experience by all partners will be achieved through the establishment of a project Communication Committee, that will be created at the beginning of the project, in which one representative per each partner will participate. The Communication Committee will be in charge of initially drafting a communication plan, that will be updated periodically during the project. The plan will specify common communication style and formats, as well as all the communication actions and the associated partners’

responsibilities during project lifecycle. It will derive from the communication strategy at project level (i.e. targets to reach, messages to address and scopes), but it will imply that partners will have an important local role in the operationalization of the general communication strategy in their Regions, considering peculiarities and cultural local issue. For example, it is planned that some of the common communication materials are translated in local languages and that local media are addressed (which is also reflected in the budget allocation for external services).

The Communication Committee will meet at least with bi-monthly frequency and will organize necessary virtual or physical meetings to manage and follow-up all communication issues. It will assist the Steering Committee in project management activities with respect to communication tasks. It will also interact with the Quality and Evaluation Committee to provide information to evaluate communication activities.

The alignment between partners will also be supported by an information sharing platform in which communication-related contents and materials will be uploaded and shared by partners (if possible, the platform made available by the Programme will be used with this scope).

Concerning communication with Horizontal projects and with the Programme, it is foreseen that the Coordinator is responsible for such an interaction through the involvement of partners that will be eventually necessary considering the actions' scope. The Communication Committee will allow the design and implementation of this type of communication actions.

5.6 C.5.7. WP 3: Studying : Description and objective

NA

5.7 C.5.8. WP 3: Studying : Target groups involvement

NA

5.8 C.5.9. WP 3: Studying : Durability and transferability of main outputs of this WP

NA

5.9 C.5.10. WP 4: Testing: Description and objective

OBJECTIVE

The scope of the WP is to test the methodology, which was conceived in the frame of the initiative “Vanguard ESM”, for the identification and development of strategic projects of pilot plants supporting the diffusion of innovative technologies and methods for green manufacturing in the MED area. The methodology, that will be governed by Clusters thanks to the offering of innovative services (such as matchmaking, internationalization network service, etc.), will enable the involvement of regional companies and research/innovation organizations into a methodologically structured process for the collaborative bottom-up identification of priority topics and the consequent development of business plans for their implementation. This structured

process will allow the systematic identification and exploitation of synergies with other MED Regions that can complement or reinforce the capabilities of regional actors in the development of pilot plants.

The sequence of activities foresees a preliminary set-up and planning of the testing actions, the testing implementation phase, the assessment of results, the set-up of a training methodology and material to be used for transfer purpose, as well as the organization of a technical event to exchange information about the results of testing and the preparation to the transfer phase. Specific WP coordination actions will be implemented to guarantee the homogeneity and efficacy of testing.

Research Institutes (CNR-ITIA, FRAUNHOFER, EURECAT) will have the role to define methodologies, tools and to guarantee a structured approach to the testing and evaluation process. On the other hand, Clusters and other partners able to mobilize regional companies will be the adopters of this methodological toolkit to practically implement the methodology and test new services in their region. Having participated to the conception of the tested methodology in Vanguard, AFIL will act as "coach" of the other Clusters for its application.

5.10 C.5.11. WP 4: Testing : Pilot activities : Justification

Pilot activities implementation will consist in an orchestrated application of the “Vanguard ESM” trans-regional cooperation methodology for the identification and implementation of projects of pilot plants supporting green manufacturing innovation. The methodology will imply that each Cluster, according to a common methodological scheme, starts and intra-regional process for the bottom-up collection of priorities/capabilities for pilot plants applications. In the second phase, Clusters of different Regions will come together and will share the priorities/capabilities that will emerge, with the scope of finding synergies and complementarities. The result will be the aggregation of different priorities and capabilities in the frame of common trans-Regional projects with higher critical mass and European added value. The multi-regional teams that will be created in this way will have the responsibility to develop such projects in order to define concepts valorising all Regional specificities and a business plan for implementation. In a last phase –that will not be tested in the project due to the limited time frame–, pilot plants will be setup by identifying available public and private funding opportunities fitting with the business plans.

Piloting will thus consist in a first phase in which Clusters will apply a common scheme inside their Regions for “internal mapping”, followed by a constant trans-national cooperation where projects are defined and developed jointly by multi-regional teams.

The expected output of the testing consists, on one side, in the identification of pros and cons of the tested methodology and in its consequent optimization for its codification inside a “transfer toolkit”. On the other side, in the definition of a first group of trans-regional projects of European networks of pilot plants in the MED Regions.

The transferability of the methodology through the developed toolkit will allow that other Clusters can join projects that already or to that they become the trigger for other projects.

Beneficiaries of piloting will be: Clusters, that will animate internationalization activities for their members according to RIS3; companies, that will benefit of an architecture for international cooperation and for the expression of their innovation priorities and capabilities; Regional Authorities, that will receive bottom-up information for the definition of future innovation policies and for the update of their smart specialization plans.

5.11 C.5.12. WP 4: Testing: Time frame of the pilot activity implementation

The testing WP will start at Month 1 and will end at Month 18. The first 6 Months will be dedicated to piloting preparation, i.e. to the definition of common schemes for action, the identification and involvement of stakeholders to activate in the Regions, etc. Then, pilot activities implementation will have a duration of 15 Months (from Month 6 to Month 15). This time frame will be needed due to the complexity of the governance processes that Regional Clusters should manage, first at Regional level and subsequently at international level. This timing is also dictated from the previous experience realized in the Vanguard Initiative. Finally, a piloting evaluation phase is foreseen with a duration of 6 Months, running in partial overlap with the last phase of piloting implementation. This will be possible because some of the piloting results will be available before the total termination of activities.

5.12 C.5.13. WP 4: Testing: Target groups involvement

Identified target groups are Business support organizations (in particular Clusters), Enterprise/SME, Higher Education/Research and Regional Public Authorities. Business support organizations will be the operative partners that will coordinate the implementation of the methodology during the project and that will adopt it on a stable basis after. Enterprise and Higher Education/Research will be the manufacturing stakeholders, mobilized by Clusters, that will provide bottom-up priorities and contents during testing. After GREENNOMED, they will benefit from the implementation of pilot plants that will emerge. They will also benefit from the trans-regional cooperation architecture that GREENNOMED will have setup. Public Authorities will give advise during activities, will facilitate the involvement of a vast number of Regional actors and will have results transferred at the end of GRRENOMED. They will use them to address future innovation policies and to update their RIS3 strategy.

5.13 C.5.14. WP 4: Testing: Durability and transferability of main outputs of this WP

The guarantee for the durability of results will be the demonstration of benefits for target groups. Due to the novelty of RIS3 and to the poor EU innovation capability, there is in fact a huge unmet demand for trans-regional approaches in manufacturing innovation. In addition, durability will be supported by the institutional nature of partners (CNR, Fraunhofer, Eurecat) that will promote them in the frame of their innovation and policy institutional activity.

Transferability of testing approach to other organizations outside the partnership and in other Regions is possible with no restrictions (a transfer toolkit will be developed) and also suited to project partners. In fact, a higher number of adopters will maximize the opportunities for projects development.

Overall, the participation of partners to VANGUARD constitute a credible guarantee of durability and transferability, since results will be naturally extended in this stable network.

5.14 C.5.15. WP 5: Transferring : Description and objective

The scope of the WP is to transfer the methodology and services tested in WP3 and optimized according to testing results. The transfer process will have a twofold target: on one hand, other Clusters external to the Consortium, that can adopt the developed methodology and services in order to apply them into their industrial and innovation community; on the other hand,

Regional Authorities, that should address their innovation funding policies considering the strategic projects for pilot plants that emerged in their Regions through the collective effort of Regional stakeholders, orchestrated by the tested methodology coordinated by Regional Clusters.

It is foreseen that each Cluster or industrial organization member of the Consortium takes the responsibility of at least one transfer action addressed to another Cluster in the Region, for a total of a minimum of 8 transfer actions to other Clusters. In addition, one transfer action towards Regional Authorities that participate to the project as Associate Partners is planned, too, accounting for 8 additional transfer actions to policy makers.

Transfer actions will start after a preliminary set-up and planning of activities in different Regions, resulting in the organization of one event to exchange information between the transfer suppliers and beneficiaries in order to align the understanding of the transfer process and to prepare the field for the training courses and dedicated transfer events. Specific WP coordination actions will be implemented to guarantee the homogeneity and efficacy of the transfer action.

Research Institutes will have the role to define methodologies, tools and to guarantee a structured approach to the transfer process. Clusters, assisted by research partners, will be the actors animating the transfer actions. In this role, they will reinforce their relationships with other regional Clusters and with Regional Authorities.

5.15 C.5.16. WP 5: Transferring : Target groups involvement

Target groups involved in the transferring phase will be Business support organizations (in particular Clusters) and Regional Public Authorities.

Business support organizations belonging to the partnership will be responsible to transfer results to other business support organizations external to the Partnership and to Regional Authorities (mainly the ones participating to the project as Associated Partners). Such external business support organizations will be involved by project partners exploiting the established network of relationship in their Nations. In addition, VANGUARD will be an important vehicle to identify and involve Clusters and other Regional Authorities interested to acquire GREENNOMED results.

5.16 C.5.17. WP 5: Transferring : Durability and transferability of main outputs of this WP

A durable transfer phase after the end of the project will be a benefit for all stakeholders, since a higher number of cooperating Regions will enrich the competence and resources at disposal of the network to implement the projects of pilot plants. Clusters of the partnership, supported by research and education partners, will further transfer results in the frame of their “business development activities”, order to improve international cooperation. Regional Authorities will also support a permanent transfer process, if benefits will be demonstrated for them.

“Transferability of transfer” will be possible, in the sense that other external organizations may promote transfer actions in the future. In this case, in order to guarantee alignment, these initiatives will be carried out in cooperation with project partners. The participation of partners to VANGUARD constitutes a guarantee of durability and transferability, since results will be naturally extended in this stable network.

5.17 C.5.18. WP 6: Capitalising : Description and objective

NA

5.18 C.5.19. WP 6: Capitalising : Target groups involvement

NA

5.19 C.5.20. WP 6: Capitalising : Durability and transferability of main outputs of this WP

NA

5.20 C.5.21. Work package deliverable (Automatically filled in)**List of deliverables of the work package**

Activity	ID	Type of deliverable	Unit	Title of the deliverable	Description	Total target value
0.1 Preparing a submitting a project proposal	56615	Application Form	Unit produced	0.1.1 Application Form	N/A	1
1.1 Administrative and financial management	56616	Method	Unit produced	1.1.1 Steering and Technical committees procedures Guidelines	The deliverable will be a report (in the format of a Word document in English language) describing Steering Committee and other Committees composition, roles and procedures	1
1.1 Administrative and financial management	56617	Tool	Unit produced	1.1.2 Information sharing platform	The deliverable will be a web-based platform for sharing documents relevant for administrative, financial and project management. If possible, the website provided by the Programme will be exploited with this purpose	1
1.1 Administrative and financial management	56618	Tool	Unit produced	1.1.3 Administrative and financial management course	The deliverable will be a report on the administrative and financial management course that will be organized for Project Partners, including a power point presentation and schemes describing and explaining programme's requirements	1

1.1 Administrative and financial management	56619	Meeting	Unit produced	1.1.4 Project Committees Meetings Minutes	Minutes of meetings of the Steering and other project Committees (in the form of Word documents in English language)	6
1.1 Administrative and financial management	56649	Tool	Unit produced	1.1.5 Project progress reports	Periodic reports on technical and financial progress (in the form of Word documents in English language), including financial audits.	5
1.2 Project Management: setting up common methodologies for actions	56620	Method	Unit produced	1.2.1 Guidelines for Project Management	The deliverable will be a report (in the form of a Word document in English language) indicating guidelines for project management	1
1.2 Project Management: setting up common methodologies for actions	56621	Tool	Unit produced	1.2.2 Tools for Project Management	The deliverable will be a collection of documents (in the form of Word and Excel files) to be used for the reporting of technical and financial information. It will describe the adopted project management tools, too	1
1.2 Project Management: setting up common methodologies for actions	56622	Tool	Unit produced	1.2.3 Project Management course	The deliverable will be a report (in the form of a Word document in English language) on the project management course that will be organized for Project Partners, including a power point presentation for the presentation of information	1
1.3 Quality management: evaluating the project	56623	Method	Unit produced	1.3.1 Project quality and evaluation plan	The deliverable will be a plan (in the form of a Word document in English language) indicating governance, method and time program for managing project quality	1
1.3 Quality management: evaluating the project	56624	Tool	Unit produced	1.3.2 Evaluation tools	The deliverable will be a collection of documents such as questionnaires, templates, etc. (in the form of Word and Excel files) to be used for the collection of relevant information for evaluation and quality management	1
1.3 Quality management: evaluating the project	56625	Tool	Unit produced	1.3.3 Project quality course	The deliverable will be a report (in the form of a Word document in English language) on the project quality course that will be organized for Project Partners, including a power point presentation for the presentation of information	1

1.3 Quality management: evaluating the project	56652	Tool	Unit produced	1.3.4 Evaluation and quality reports	The deliverable will be periodic reports (in the form of Word documents in English language) presenting project evaluation and quality management actions	4
2.1 Communication strategy and planning	56627	Plan	Unit produced	2.1.1 Communication strategy and plan	The deliverable will be a report (in the form of a Word document in English language) defining communication strategy and plan. The report will be periodically updated every six months	5
2.2 Creation and management of a project community	56628	Informal grouping of actors	Unit produced	2.2.1 GREENNOMED platform	The deliverable will be the GREENNOMED platform established at the end of the project. Six months periodic reports (in the form of a Word document in English language) will be released to report activities and progress for platform establishment.	8
2.2 Creation and management of a project community	56629	Collaborative network	Unit produced	2.2.2 GREENNOMED living labs	The deliverable will be the living labs that will be constituted in the GREENNOMED Regions (at least three). Six months periodic reports (Word documents in English) will be released to report activities and progress for establishment of the labs.	3
2.3 Diffusion and dissemination activities	56630	Digital or written communication	Unit produced	2.3.1 Digital and written communication	The deliverable will be 120 communications in total, considering all the dissemination channels and type of communication that will be used (web news, papers, presentations, newsletters, press conferences, etc.). Periodic six months reporting will illustrate the progress of communication activities.	120
2.4 Project Conferences	56631	Public / political event	Unit produced	2.4.1 Project Conferences	The deliverable will be the three conferences. A report (in the form of a Word document in English language) illustrating the organization and main results of the three conferences will be provided.	3

2.5 Coordination with Horizontal projects and capitalization activities	56632	Provision of information and data	Unit produced	2.5.1 Reports for coordination with Horizontal projects	The deliverable will be periodic reports to report activities, provide data and information to the Horizontal project, following the guidelines that will be defined.	3
2.5 Coordination with Horizontal projects and capitalization activities	56633	Meeting	Unit produced	2.5.2 Meetings within Horizontal projects	The deliverable will consists in reports documenting the meetings that will be attended in the frame of Horizontal project communication activities	3
2.6 Contribution to Programme communication activities	56634	Provision of information and data	Unit produced	2.6.1 Reports for Programme communication activities	The deliverable will consists in reports documenting the meetings that will be attended in the frame of Programme communication activities.	3
2.6 Contribution to Programme communication activities	56635	Meeting	Unit produced	2.6.2 Meetings reports within Programme communication activities	The deliverable will consists in reports documenting the meetings that will be attended in the frame of Programme communication activities.	3
2.7 Participation to external events	56636	Meeting	Unit produced	2.7.1 Reports outside the MED area	The deliverable will consists in reports documenting the meetings that will be attended outside the MED area	3
3.1 WP coordination	56637	Method	Unit produced	3.1.1 Detailed testing workplan and WP approach	The deliverable will be a report (in the form of a power point presentation in English language) describing an approach and a detailed activities plan. It will indicate expected outputs and deadlines, as well as partners' roles and responsibilities	1
3.1 WP coordination	56638	Tool	Unit produced	3.1.2 Piloting training course	The deliverables will consist in a course with related supporting material (in the format of a PPT presentation in English language) on the testing process, format, governance, targets, Clusters services and testing detailed workplan.	1
3.2 Pilot activities design and planning	56639	Preliminary study	Unit produced	3.2.1 Testing method, format and planning	The deliverable will be a report (in the format of a Word document in English language) describing the testing process, format, governance, targets, expected Clusters services and testing detailed workplan.	1

3.3 Pilot activities implementation	56640	Tool	Unit produced	3.3.1 Testing Report	The deliverable will be a report (in the format of a Word document in English language) describing the implemented testing activities in the concerned Regions.	1
3.4 Pilot activities evaluation	56641	Report	Unit produced	3.4.1 Testing evaluation report	The deliverable will consist in a report (Word documents in English language) describing the evaluation criteria, the results of testing in different Regions and providing indication to optimize the methodology and services accordingly.	1
3.5 Elaboration of transfer method and tools	56642	Training material	Unit produced	3.5.1 Training material	The deliverable (in the format of a PPT presentation in English language) will consist in a presentation to transfer the acquired knowledge and expertise to Clusters and Regional Authorities	1
3.5 Elaboration of transfer method and tools	56643	Training course	Unit produced	3.5.2 Training methodology	The deliverable (in the format of a Word document in English language) will describe the methods and formats that will be used as a standard to transfer the tested methodology and services to the training audiences within and after the project.	1
3.6 Seminar on results of testing activities	56644	Technical event	Unit produced	3.6.1 Testing Seminar	The deliverable (in the format of a Word Document and PPT presentations in English language) will describe the seminar that will be organized, the contents, main discussions and the feedback from the audience.	1
4.1 WP Coordination	56645	Method	Unit produced	4.1.1 Detailed transfer workplan and WP approach	The deliverable will be a report (in the form of a power point presentation in English language) describing an approach and a detailed activities plan. It will indicate expected outputs and deadlines, as well as partners' roles and responsibilities.	1

4.1 WP Coordination	56646	Tool	Unit produced	4.1.2 Transferring training course	The deliverable will consist in a course for Clusters responsible of the transfer actions with related supporting material (a PPT presentation in English language) on the transfer process, format and targets, together with a workplan to be followed	1
4.2 Transfer activities design and planning	56647	Method	Unit produced	4.2.1 Transfer methodology and plan	The deliverable will be a report (in the format of a Word document in English language) describing transfer approach, format and workplan within the project, as well as potential benefits from a wider transfer in the MED area.	1
4.3 Event to establish the transfer process	56648	Technical event	Unit produced	4.3.1 Transfer Seminar Report	The deliverable will be a report (in the format of a Word document in English language) describing the event that will be organized and its results	1
4.4 Transferring results to other Clusters	56650	Training course	Unit produced	4.4.1 Training Course Report	The deliverable will be a report (in the format of a Word document in English language) of the training courses organized for transferring purpose to Clusters and other business support organizations.	1
4.5 Transferring results to Regional Authorities	56651	Tailored event	Unit produced	4.5.1 Tailored event reports	The deliverable will be a report (in the format of a Word document in English language) describing the results of the transfer actions to Regional Authorities that will be carried out in all Regions	1

6. C.6 Activities outside the programme area (option A)

Work package / Activity	Partner involved	Country and region outside of the programme area	What is the added value of activities to be carried out outside the programme area?	Budget (total) - indicative
2 Project communication-2.2 Creation and management of a project community	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	GERMANY-Chemnitz		0.00 €
2 Project communication-2.2 Creation and management of a project community	Associazione Cluster Marche Manufacturing	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	Cluster "Intelligentna Energija" d.o.o.	GERMANY-Chemnitz	N/A	0.00 €

2 Project communication-2.2 Creation and management of a project community	National Research Council - Institute of Industrial Technologies and Automation	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	Croatian Chamber of Economy	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	EURECAT Foundation	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	Fraunhofer Institute for Machine Tools and Forming Technology	GERMANY-Chemnitz	FhG IWU will take care of the creation and management of a project community in Saxony, in order to mobilize local stakeholders for the participation to the trans-national cooperative process for the definition of joint innovation projects with the MED Regions.	0.00 €
2 Project communication-2.2 Creation and management of a project community	Interbalkan Environment Center	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	Plastipolis	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	Pomurje Technology Park	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.2 Creation and management of a project community	Technology Park Ljubljana Ltd.	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Associazione Cluster Marche Manufacturing	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Cluster "Inteligentna Energija" d.o.o.	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	National Research Council - Institute of Industrial Technologies and Automation	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Croatian Chamber of Economy	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	EURECAT Foundation	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Fraunhofer Institute for Machine Tools and Forming Technology	GERMANY-Chemnitz	FhG IWU will diffuse and disseminate information about the project among local stakeholders and target groups.	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Interbalkan Environment Center	GERMANY-Chemnitz	N/A	0.00 €

2 Project communication-2.3 Diffusion and dissemination activities	Plastipolis	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Pomurje Technology Park	GERMANY-Chemnitz	N/A	0.00 €
2 Project communication-2.3 Diffusion and dissemination activities	Technology Park Ljubljana Ltd.	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	GERMANY-Chemnitz	In its role of Cluster expert on the tested methodology (since it participate to its elaboration in VANGUARD), AFIL will support FhG IWU in the application of the methodology for testing purpose. In particular, it will interact with Saxony the Clusters that will be identified by FhG IWU in order to explain advantages and transfer the Lombardy experience to obtain a high industrial commitment in the cooperation. Such a role will imply some travels to Saxony and professional time of AFIL for the support of Saxony stakeholders' involvement.	3,000.00 €
3 Testing-3.3 Pilot activities implementation	Associazione Cluster Marche Manufacturing	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	Cluster "Inteligentna Energija" d.o.o.	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	Croatian Chamber of Economy	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	EURECAT Foundation	GERMANY-Chemnitz	Having Germany dedicated a budget in its National innovation plan for for cooperation with Catalonia, EURECAT and FhG IWU will explore potential cooperation projects arising from the application of the methodology in the two Regions and will engage regional stakeholders in the cooperation with Saxony ones. This will imply some travels to Saxony and professional time of EURECAT personnel and eventual Catalonia experts.	5,000.00 €
3 Testing-3.3 Pilot activities implementation	Fraunhofer Institute for Machine Tools and Forming Technology	GERMANY-Chemnitz	Similarly to the other partners, FhG IWU will test the cooperation methodology in Saxony. This will be necessary to include Saxony manufacturing stakeholders into the cooperative process for the definition of trans-regional projects of pilot plants. In this way, Saxony industry will be linked to the strategic innovation priorities of the MED Regions, based on smart specialization. In particular, resources allocated by Germany to fund cooperation with Catalonia in its national R&D plan, will enable the possibility of funding bi-lateral projects that may emerge in the future. On the other hand, MED Regions will establish a strategic link with Germany, the first European Manufacturing country, in order to establish successful European chains.	0.00 €

3 Testing-3.3 Pilot activities implementation	National Research Council - Institute of Industrial Technologies and Automation	GERMANY-Chemnitz	In its role of project coordinator and of responsible for the tested methodology conception (in VANGUARD), CNR-ITIA will support FhG IWU in the application of the methodology for testing purpose. Such a role will imply some travels to Saxony for the preparation of the local testing phase and for supporting methodologically Saxony stakeholders' involvement and activities.	3,000.00 €
3 Testing-3.3 Pilot activities implementation	Interbalkan Environment Center	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	Plastipolis	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	Pomurje Technology Park	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.3 Pilot activities implementation	Technology Park Ljubljana Ltd.	GERMANY-Chemnitz	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Associazione Cluster Marche Manufacturing	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Cluster "Inteligentna Energija" d.o.o.	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	National Research Council - Institute of Industrial Technologies and Automation	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Croatian Chamber of Economy	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	EURECAT Foundation	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Fraunhofer Institute for Machine Tools and Forming Technology	GERMANY-Sachsen-Anhalt	FhG IWU will be responsible to evaluate the results of testing regarding the pilot activities conducted in Saxony. This will make available a necessary piece of information for project evaluation, as well as a relevant benchmark for the other MED Regions.	0.00 €
3 Testing-3.4 Pilot activities evaluation	Interbalkan Environment Center	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Plastipolis	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Pomurje Technology Park	GERMANY-Sachsen-Anhalt	N/A	0.00 €
3 Testing-3.4 Pilot activities evaluation	Technology Park Ljubljana Ltd.	GERMANY-Sachsen-Anhalt	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Associazione Cluster Marche Manufacturing	GERMANY-Dresden	N/A	0.00 €

4 Transferring-4.4 Transferring results to other Clusters	Cluster "Inteligentna Energija" d.o.o.	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Croatian Chamber of Economy	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	EURECAT Foundation	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Fraunhofer Institute for Machine Tools and Forming Technology	GERMANY-Dresden	FhG IWU will transfer results to Clusters and Regional Authorities in Saxony. This will contribute to create a German group of stakeholders ready to cooperate with MED Regions in joint projects for pilot plants supporting green manufacturing innovation.	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	National Research Council - Institute of Industrial Technologies and Automation	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Interbalkan Environment Center	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Plastipolis	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Pomurje Technology Park	GERMANY-Dresden	N/A	0.00 €
4 Transferring-4.4 Transferring results to other Clusters	Technology Park Ljubljana Ltd.	GERMANY-Dresden	N/A	0.00 €
Total budget of activities to be carried out outside the programme are (indicative)				11,000.00 €
ERDF (indicative amount)				1,742,500.00 €
% of total ERDF (indicative amount)				0.63 %

7. C.6 Activities outside the programme area (option B)

	Work package / Activity	Partner involved	Country and region outside of the programme area	What is the added value of activities to be carried out outside the programme area?	Budget (total) - indicative

8. C.7 Indicative time plan : activities (Automatically filled in)

Work package	Activity	2017				2018				2019			
0 Preparation costs		P L.3489											
	0.1 Preparing a submitting a project proposal	A 0.1.1 L.3489											
1 Project management		P	P L.7155 L.7162 L.7165 L.7200 L.7211 L.7212 L.7218 L.7222 L.7224	P	P	P	P	P	P	P	P	P L.7173 L.10990 L.51319	
	1.1 Administrative and financial management	A	A 1.1.1 L.7155 1.1.2 L.7162 1.1.3 L.7165	A	A	A	A	A	A	A	A	A 1.1.4 L.7173 1.1.5 L.10990	

	1.2 Project Management: setting up common methodologies for actions	A	A 1.2.1 L.7200 1.2.2 L.7211 1.2.3 L.7212										
	1.3 Quality management: evaluating the project	A	A 1.3.1 L.7218 1.3.2 L.7222 1.3.3 L.7224	A	A	A	A	A	A	A	A	A 1.3.4 L.51319	
2 Project communication		P	P	P	P	P	P	P	P	P	P	P L.7244 L.8666 L.8680 L.8716 L.8773 L.9002 L.9007 L.9017 L.9022 L.9027	
	2.1 Communication strategy and planning	A	A	A	A	A	A	A	A	A	A	A 2.1.1 L.7244	

	2.2 Creation and management of a project community		A	A	A	A	A	A	A	A	A	A	A 2.2.1 L.8666 2.2.2 L.8680	
	2.3 Diffusion and dissemination activities	A	A	A	A	A	A	A	A	A	A	A	A 2.3.1 L.8716	
	2.4 Project Conferences		A	A	A	A	A	A	A	A	A	A	A 2.4.1 L.8773	
	2.5 Coordination with Horizontal projects and capitalization activities	A	A	A	A	A	A	A	A	A	A	A	A 2.5.1 L.9002 2.5.2 L.9007	
	2.6 Contribution to Programme communication activities	A	A	A	A	A	A	A	A	A	A	A	A 2.6.1 L.9017 2.6.2 L.9022	
	2.7 Participation to external events	A	A	A	A	A	A	A	A	A	A	A	A 2.7.1 L.9027	
3 Testing		P L.9060	P	P L.9070 L.9076	P	P O.4	P L.9080	P L.10478 L.10517 L.10531 L.10725 O.1 O.2					O.3	

	3.1 WP coordination	A 3.1.1 L.9060	A	A 3.1.2 L.9070	A	A	A	A					
	3.2 Pilot activities design and planning	A	A	A 3.2.1 L.9076									
	3.3 Pilot activities implementation			A	A	A	A 3.3.1 L.9080						
	3.4 Pilot activities evaluation					A	A	A 3.4.1 L.10478					
	3.5 Elaboration of transfer method and tools					A	A	A 3.5.1 L.10517 3.5.2 L.10531					
	3.6 Seminar on results of testing activities						A	A 3.6.1 L.10725					
4 Transferring								P L.10922	P L.10938	P L.10924 L.10946	P	P L.20590 L.20629 O.1	
	4.1 WP Coordination							A 4.1.1 L.10922	A	A 4.1.2 L.10924	A	A	
	4.2 Transfer activities design and planning							A	A 4.2.1 L.10938				
	4.3 Event to establish the transfer process								A	A 4.3.1 L.10946			

	4.4 Transferring results to other Clusters										A	A	A 4.4.1 L.20590	
	4.5 Transferring results to Regional Authorities										A	A	A 4.5.1 L.20629	

9. C.8 External expertise and services, Equipment (option A)

9.1 C.8.1 External expertise and services description (option A)

Description de External Expertise and Services	Work package / Activity	Partner involved	Budget (total) - indicative
Audit costs, costs for organizing project management meetings (including internal courses for partners)	1 Project management-1.1 Administrative and financial management	National Research Council - Institute of Industrial Technologies and Automation	10,000.00 €
Audit costs, cost for administrative and financial consulting	1 Project management-1.1 Administrative and financial management	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	13,000.00 €
Audit costs, cost for administrative and financial consulting	1 Project management-1.1 Administrative and financial management	Associazione Cluster Marche Manufacturing	7,000.00 €
Audit costs, costs for organizing project management meetings	1 Project management-1.1 Administrative and financial management	EURECAT Foundation	10,000.00 €
Audit costs, cost for administrative and financial consulting	1 Project management-1.1 Administrative and financial management	Pomurje Technology Park	13,000.00 €
Audit costs, cost for administrative and financial consulting	1 Project management-1.1 Administrative and financial management	Croatian Chamber of Economy	13,000.00 €
Audit costs, cost for administrative and financial consulting	1 Project management-1.1 Administrative and financial management	Cluster "Inteligentna Energija" d.o.o.	13,000.00 €
Audit costs	1 Project management-1.1 Administrative and financial management	Plastipolis	4,000.00 €
Audit costs, cost for administrative and financial consulting	1 Project management-1.1 Administrative and financial management	Interbalkan Environment Center	12,000.00 €
Audit costs, costs for organizing project management meetings	1 Project management-1.1 Administrative and financial management	Fraunhofer Institute for Machine Tools and Forming Technology	8,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	National Research Council - Institute of Industrial Technologies and Automation	10,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	13,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Associazione Cluster Marche Manufacturing	7,000.00 €

N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	EURECAT Foundation	10,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Pomurje Technology Park	13,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Croatian Chamber of Economy	13,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Cluster "Inteligentna Energija" d.o.o.	13,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Plastipolis	4,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Interbalkan Environment Center	12,000.00 €
N/A	1 Project management-1.2 Project Management: setting up common methodologies for actions	Fraunhofer Institute for Machine Tools and Forming Technology	8,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	National Research Council - Institute of Industrial Technologies and Automation	10,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	13,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	Associazione Cluster Marche Manufacturing	7,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	EURECAT Foundation	10,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	Pomurje Technology Park	13,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	Croatian Chamber of Economy	13,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	Cluster "Inteligentna Energija" d.o.o.	13,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	Plastipolis	4,000.00 €

N/A	1 Project management-1.3 Quality management: evaluating the project	Interbalkan Environment Center	12,000.00 €
N/A	1 Project management-1.3 Quality management: evaluating the project	Fraunhofer Institute for Machine Tools and Forming Technology	8,000.00 €
Professional communication consulting	2 Project communication-2.1 Communication strategy and planning	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	2,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Associazione Cluster Marche Manufacturing	5,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	EURECAT Foundation	9,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Pomurje Technology Park	12,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Technology Park Ljubljana Ltd.	5,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Croatian Chamber of Economy	9,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Cluster "Inteligentna Energija" d.o.o.	7,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Plastipolis	9,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Interbalkan Environment Center	10,000.00 €
N/A	2 Project communication-2.1 Communication strategy and planning	Fraunhofer Institute for Machine Tools and Forming Technology	5,000.00 €
Web communication and tools consulting	2 Project communication-2.2 Creation and management of a project community	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
N/A	2 Project communication-2.2 Creation and management of a project community	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	2,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Associazione Cluster Marche Manufacturing	5,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	EURECAT Foundation	9,000.00 €

Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Pomurje Technology Park	12,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Technology Park Ljubljana Ltd.	5,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Croatian Chamber of Economy	9,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Cluster "Inteligentna Energija" d.o.o.	7,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Plastipolis	9,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Interbalkan Environment Center	10,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.2 Creation and management of a project community	Fraunhofer Institute for Machine Tools and Forming Technology	5,000.00 €
Graphics, printing of posters and brochures, translation services.	2 Project communication-2.3 Diffusion and dissemination activities	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
Printing of materials, graphics	2 Project communication-2.3 Diffusion and dissemination activities	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	2,000.00 €
Printing of materials, graphics, communication consultancy	2 Project communication-2.3 Diffusion and dissemination activities	Associazione Cluster Marche Manufacturing	5,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	EURECAT Foundation	9,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Pomurje Technology Park	12,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Technology Park Ljubljana Ltd.	5,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Croatian Chamber of Economy	9,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Cluster "Inteligentna Energija" d.o.o.	7,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Plastipolis	9,000.00 €
Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Interbalkan Environment Center	10,000.00 €

Printing of materials, graphics, translation, communication consultancy.	2 Project communication-2.3 Diffusion and dissemination activities	Fraunhofer Institute for Machine Tools and Forming Technology	5,000.00 €
Organization of project conferences, Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
N/A	2 Project communication-2.4 Project Conferences	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	2,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Associazione Cluster Marche Manufacturing	5,000.00 €
Organization of project conferences, Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	EURECAT Foundation	9,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Pomurje Technology Park	12,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Technology Park Ljubljana Ltd.	5,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Croatian Chamber of Economy	9,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Cluster "Inteligentna Energija" d.o.o.	7,000.00 €
Organization of project conferences, Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Plastipolis	9,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Interbalkan Environment Center	10,000.00 €
Reimbursement for travel and accommodation of Regional Authorities representatives	2 Project communication-2.4 Project Conferences	Fraunhofer Institute for Machine Tools and Forming Technology	5,000.00 €
N/A	2 Project communication-2.5 Coordination with Horizontal projects and capitalization activities	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
N/A	2 Project communication-2.6 Contribution to Programme communication activities	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
N/A	2 Project communication-2.7 Participation to external events	National Research Council - Institute of Industrial Technologies and Automation	35,000.00 €
N/A	3 Testing-3.1 WP coordination	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	20,000.00 €
N/A	3 Testing-3.1 WP coordination	Associazione Cluster Marche Manufacturing	5,000.00 €
N/A	3 Testing-3.1 WP coordination	EURECAT Foundation	4,000.00 €
N/A	3 Testing-3.1 WP coordination	Pomurje Technology Park	18,000.00 €
N/A	3 Testing-3.1 WP coordination	Technology Park Ljubljana Ltd.	8,000.00 €
N/A	3 Testing-3.1 WP coordination	Croatian Chamber of Economy	10,000.00 €

N/A	3 Testing-3.1 WP coordination	Cluster "Inteligentna Energija" d.o.o.	18,000.00 €
N/A	3 Testing-3.1 WP coordination	Plastipolis	10,000.00 €
N/A	3 Testing-3.1 WP coordination	Interbalkan Environment Center	33,000.00 €
N/A	3 Testing-3.1 WP coordination	Fraunhofer Institute for Machine Tools and Forming Technology	4,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	20,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Associazione Cluster Marche Manufacturing	5,000.00 €
N/A	3 Testing-3.2 Pilot activities design and planning	EURECAT Foundation	4,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Pomurje Technology Park	18,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Technology Park Ljubljana Ltd.	8,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Croatian Chamber of Economy	10,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Cluster "Inteligentna Energija" d.o.o.	18,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Plastipolis	10,000.00 €
Professional consulting for testing	3 Testing-3.2 Pilot activities design and planning	Interbalkan Environment Center	33,000.00 €
N/A	3 Testing-3.2 Pilot activities design and planning	Fraunhofer Institute for Machine Tools and Forming Technology	4,000.00 €
Professionale consulting for testing	3 Testing-3.3 Pilot activities implementation	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	20,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Associazione Cluster Marche Manufacturing	5,000.00 €
Organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	EURECAT Foundation	4,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Pomurje Technology Park	18,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Technology Park Ljubljana Ltd.	8,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Croatian Chamber of Economy	10,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Cluster "Inteligentna Energija" d.o.o.	18,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Plastipolis	10,000.00 €
Professional consulting for testing, organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Interbalkan Environment Center	33,000.00 €

Organization of meetings with companies for testing	3 Testing-3.3 Pilot activities implementation	Fraunhofer Institute for Machine Tools and Forming Technology	4,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	20,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Associazione Cluster Marche Manufacturing	5,000.00 €
Organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	EURECAT Foundation	4,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Pomurje Technology Park	18,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Technology Park Ljubljana Ltd.	8,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Croatian Chamber of Economy	10,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Cluster "Inteligentna Energija" d.o.o.	18,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Plastipolis	10,000.00 €
Professional consulting for evaluation, organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Interbalkan Environment Center	33,000.00 €
Organization of meetings with companies for evaluation	3 Testing-3.4 Pilot activities evaluation	Fraunhofer Institute for Machine Tools and Forming Technology	4,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	20,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Associazione Cluster Marche Manufacturing	5,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	EURECAT Foundation	4,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Pomurje Technology Park	18,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Technology Park Ljubljana Ltd.	8,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Croatian Chamber of Economy	10,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Cluster "Inteligentna Energija" d.o.o.	18,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Plastipolis	10,000.00 €
N/A	3 Testing-3.5 Elaboration of transfer method and tools	Interbalkan Environment Center	33,000.00 €

N/A	3 Testing-3.5 Elaboration of transfer method and tools	Fraunhofer Institute for Machine Tools and Forming Technology	4,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	20,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Associazione Cluster Marche Manufacturing	5,000.00 €
Organization of the testing seminar, reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	EURECAT Foundation	4,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Pomurje Technology Park	18,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Technology Park Ljubljana Ltd.	8,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Croatian Chamber of Economy	10,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Cluster "Inteligentna Energija" d.o.o.	18,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Plastipolis	10,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Interbalkan Environment Center	33,000.00 €
Reimbursement of travel and accommodation costs of Regional Authorities representatives	3 Testing-3.6 Seminar on results of testing activities	Fraunhofer Institute for Machine Tools and Forming Technology	4,000.00 €
N/A	4 Transferring-4.1 WP Coordination	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	11,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Associazione Cluster Marche Manufacturing	2,000.00 €
N/A	4 Transferring-4.1 WP Coordination	EURECAT Foundation	2,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Pomurje Technology Park	7,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Technology Park Ljubljana Ltd.	8,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Croatian Chamber of Economy	7,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Cluster "Inteligentna Energija" d.o.o.	8,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Plastipolis	2,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Interbalkan Environment Center	10,000.00 €
N/A	4 Transferring-4.1 WP Coordination	Fraunhofer Institute for Machine Tools and Forming Technology	3,000.00 €

Professional consulting for transferring	4 Transferring-4.2 Transfer activities design and planning	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	11,000.00 €
N/A	4 Transferring-4.2 Transfer activities design and planning	Associazione Cluster Marche Manufacturing	2,000.00 €
N/A	4 Transferring-4.2 Transfer activities design and planning	EURECAT Foundation	2,000.00 €
Professional consulting for transferring	4 Transferring-4.2 Transfer activities design and planning	Pomurje Technology Park	7,000.00 €
Professional consulting for transferring	4 Transferring-4.2 Transfer activities design and planning	Technology Park Ljubljana Ltd.	8,000.00 €
Professional consulting for transferring	4 Transferring-4.2 Transfer activities design and planning	Croatian Chamber of Economy	7,000.00 €
Professional consulting for transferring	4 Transferring-4.2 Transfer activities design and planning	Cluster "Inteligentna Energija" d.o.o.	8,000.00 €
N/A	4 Transferring-4.2 Transfer activities design and planning	Plastipolis	2,000.00 €
Professional consulting for transferring	4 Transferring-4.2 Transfer activities design and planning	Interbalkan Environment Center	10,000.00 €
N/A	4 Transferring-4.2 Transfer activities design and planning	Fraunhofer Institute for Machine Tools and Forming Technology	3,000.00 €
N/A	4 Transferring-4.3 Event to establish the transfer process	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	11,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Associazione Cluster Marche Manufacturing	2,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	EURECAT Foundation	2,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Pomurje Technology Park	7,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Technology Park Ljubljana Ltd.	8,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Croatian Chamber of Economy	7,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Cluster "Inteligentna Energija" d.o.o.	8,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Plastipolis	2,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Interbalkan Environment Center	10,000.00 €
Travel and accommodation costs reimbursement for Regional Authorities	4 Transferring-4.3 Event to establish the transfer process	Fraunhofer Institute for Machine Tools and Forming Technology	3,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	11,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Associazione Cluster Marche Manufacturing	2,000.00 €

Organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	EURECAT Foundation	2,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Pomurje Technology Park	7,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Technology Park Ljubljana Ltd.	8,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Croatian Chamber of Economy	7,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Cluster "Inteligentna Energija" d.o.o.	8,000.00 €
Organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Plastipolis	2,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Interbalkan Environment Center	10,000.00 €
Organization of the transfer events	4 Transferring-4.4 Transferring results to other Clusters	Fraunhofer Institute for Machine Tools and Forming Technology	3,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	11,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Associazione Cluster Marche Manufacturing	2,000.00 €
Organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	EURECAT Foundation	2,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Pomurje Technology Park	7,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Technology Park Ljubljana Ltd.	8,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Croatian Chamber of Economy	7,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Cluster "Inteligentna Energija" d.o.o.	8,000.00 €
Organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Plastipolis	2,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Interbalkan Environment Center	10,000.00 €
Professional consulting for transferring, organization of the transfer events	4 Transferring-4.5 Transferring results to Regional Authorities	Fraunhofer Institute for Machine Tools and Forming Technology	3,000.00 €
Total budget of activities to be carried out outside the programme are (indicative)			1,926,000.00 €

9.2 C.8.2 Equipment description (option A)

Do the partners foresee the purchase of any equipment during the project's implementation?	
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Equipment for general office use	Work package / Activity	Partner involved	Budget (total) - indicative
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Total budget of activities to be carried out outside the programme are (indicative)			0.00 €
Thematic equipment	Work package / Activity	Partner involved	Budget (total) - indicative
Total budget of activities to be carried out outside the programme are (indicative)			0.00 €
Total budget of activities to be carried out outside the programme are (indicative)			0.00 €

9.3 C.8.3 Small scale investment description (option A)

Do the partners foresee any small scale investment in the framework of the pilot activities?	
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Small scale investments	Work package / Activity	Partner involved	Budget (total) - indicative
Total budget of activities to be carried out outside the programme are (indicative)			0.00 €
Total budget of activities to be carried out outside the programme are (indicative)			0.00 €

10. C.8 External expertise and services, Equipment (option B)

10.1 C.8.1 External expertise and services description (option B)

	Description of External Expertise and Services	Work packages / Activity	Contracting partner	Budget (indicative breakdown of the budget)
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10.2 C.8.2 Equipment description (option B)

	Description of Equipment for general office use	Work packages / Activity	Contracting partner	Budget (indicative breakdown of the budget)
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10.3 C.8.3 Small scale investment description (option B)

	Description of Small scale investments	Work packages / Activity	Contracting partner	Budget (ventilation indicative du budget)
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- IV - PARTIE D – Budget du projet**1. D.1 Project budget co-financing source (fund) – breakdown per partner (Automatically filled in)**

ERDF

Partner Nb	Partner name	Region (NUTS2)	Country	Total budget	Fund grant			Counterparts		
					Fund amount	Co-financing rate	% of the total ERDF	Total counterparts	Counterparts details	
									Public counterpart	Private counterpart
LP1	National Research Council - Institute of Industrial Technologies and Automation	Lazio	ITALY	310,000.00 €	263,500.00 €	85.00 %	15.12 %	46,500.00 €	46,500.00 €	0.00 €
PP1	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	Lombardia	ITALY	170,000.00 €	144,500.00 €	85.00 %	8.29 %	25,500.00 €	0.00 €	25,500.00 €
PP2	Associazione Cluster Marche Manufacturing	Marche	ITALY	130,000.00 €	110,500.00 €	85.00 %	6.34 %	19,500.00 €	0.00 €	19,500.00 €
PP3	EURECAT Foundation	Cataluña	SPAIN	230,000.00 €	195,500.00 €	85.00 %	11.22 %	34,500.00 €	0.00 €	34,500.00 €
PP4	Pomurje Technology Park	Vzhodna Slovenija	SLOVENIA	130,000.00 €	110,500.00 €	85.00 %	6.34 %	19,500.00 €	19,500.00 €	0.00 €
PP5	Technology Park Ljubljana Ltd.	Zahodna Slovenija	SLOVENIA	160,000.00 €	136,000.00 €	85.00 %	7.80 %	24,000.00 €	24,000.00 €	0.00 €
PP6	Croatian Chamber of Economy	Kontinentalna Hrvatska	CROATIA	160,000.00 €	136,000.00 €	85.00 %	7.80 %	24,000.00 €	24,000.00 €	0.00 €

PP7	Cluster "Intelligentna Energija" d.o.o.	Kontinentalna Hrvatska	CROATIA	130,000.00 €	110,500.00 €	85.00 %	6.34 %	19,500.00 €	0.00 €	19,500.00 €
PP8	Plastipolis	Rhône-Alpes	FRANCE	230,000.00 €	195,500.00 €	85.00 %	11.22 %	34,500.00 €	0.00 €	34,500.00 €
PP9	Interbalkan Environment Center	Κεντρική Μακεδονία	GREECE	200,000.00 €	170,000.00 €	85.00 %	9.76 %	30,000.00 €	30,000.00 €	0.00 €
Sub-total for partners inside the programme area (EU territory)				1,850,000.00 €	1,572,500.00 €	85.00 %	90.24 %	277,500.00 €	144,000.00 €	133,500.00 €
PP10	Fraunhofer Institute for Machine Tools and Forming Technology	Oberbayern	GERMANY	200,000.00 €	170,000.00 €	85.00 %	9.76 %	30,000.00 €	30,000.00 €	0.00 €
Sub-total for partners outside the Programme area (inside the EU)				200,000.00 €	170,000.00 €	85.00 %	9.76 %	30,000.00 €	30,000.00 €	0.00 €
Total				2,050,000.00 €	1,742,500.00 €	85.00 %	100.00 %	307,500.00 €	174,000.00 €	133,500.00 €

2. D.2 Project budget – overview per partner/ per budget line (Automatically filled in)

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
National Research Council - Institute of Industrial Technologies and Automation	200,000.00 €	30,000.00 €	25,000.00 €	45,000.00 €	0.00 €	10,000.00 €	310,000.00 €	0.00 €	310,000.00 €	15.12 %
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	86,086.95 €	12,913.05 €	15,000.00 €	46,000.00 €	0.00 €	10,000.00 €	170,000.00 €	0.00 €	170,000.00 €	8.29 %
Associazione Cluster Marche Manufacturing	86,956.52 €	13,043.48 €	10,000.00 €	19,000.00 €	0.00 €	1,000.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
EURECAT Foundation	163,478.27 €	24,521.73 €	15,000.00 €	25,000.00 €	0.00 €	2,000.00 €	230,000.00 €	0.00 €	230,000.00 €	11.22 %

Pomurje Technology Park	59,999.99 €	9,000.01 €	10,000.00 €	50,000.00 €	0.00 €	1,000.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
Technology Park Ljubljana Ltd.	111,304.35 €	16,695.65 €	10,000.00 €	21,000.00 €	0.00 €	1,000.00 €	160,000.00 €	0.00 €	160,000.00 €	7.80 %
Croatian Chamber of Economy	95,652.18 €	14,347.82 €	10,000.00 €	39,000.00 €	0.00 €	1,000.00 €	160,000.00 €	0.00 €	160,000.00 €	7.80 %
Cluster "Inteligentna Energija" d.o.o.	63,478.27 €	9,521.75 €	9,999.98 €	46,000.00 €	0.00 €	1,000.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
Plastipolis	164,347.83 €	24,652.17 €	15,000.00 €	25,000.00 €	0.00 €	1,000.00 €	230,000.00 €	0.00 €	230,000.00 €	11.22 %
Interbalkan Environment Center	107,826.09 €	16,173.91 €	10,000.00 €	65,000.00 €	0.00 €	1,000.00 €	200,000.00 €	0.00 €	200,000.00 €	9.76 %
Fraunhofer Institute for Machine Tools and Forming Technology	142,608.71 €	21,391.29 €	15,000.00 €	20,000.00 €	0.00 €	1,000.00 €	200,000.00 €	0.00 €	200,000.00 €	9.76 %
Total	1,281,739.16 €	192,260.86 €	144,999.98 €	401,000.00 €	0.00 €	30,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	
% of the total budget	62.52 %	9.38 %	7.07 %	19.56 %	0.00 %	1.46 %	100.00 %	0.00 %	100.00 %	100.00 %
ERDF	1,281,739.16 €	192,260.86 €	144,999.98 €	401,000.00 €	0.00 €	30,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %
Total EU funds	1,281,739.16 €	192,260.86 €	144,999.98 €	401,000.00 €	0.00 €	30,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %

3. D.3 Project budget – overview per partner/ per WP (Automatically filled in)

	0 Preparation costs	1 Project management	2 Project communication	3 Testing	4 Transferring	Total budget	Net revenue	Total eligible budget	% total eligible budget

National Research Council - Institute of Industrial Technologies and Automation	10,000.00 €	67,500.00 €	93,000.00 €	101,000.00 €	38,500.00 €	310,000.00 €	0.00 €	310,000.00 €	15.12 %
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	10,000.00 €	21,450.00 €	28,300.00 €	85,950.00 €	24,300.00 €	170,000.00 €	0.00 €	170,000.00 €	8.29 %
Associazione Cluster Marche Manufacturing	1,000.00 €	18,100.00 €	28,200.00 €	59,000.00 €	23,700.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
EURECAT Foundation	2,000.00 €	30,000.00 €	51,500.00 €	104,250.00 €	42,250.00 €	230,000.00 €	0.00 €	230,000.00 €	11.22 %
Pomurje Technology Park	1,000.00 €	17,500.00 €	29,000.00 €	60,000.00 €	22,500.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
Technology Park Ljubljana Ltd.	1,000.00 €	13,900.00 €	33,800.00 €	76,000.00 €	35,300.00 €	160,000.00 €	0.00 €	160,000.00 €	7.80 %
Croatian Chamber of Economy	1,000.00 €	19,550.00 €	34,200.00 €	74,550.00 €	30,700.00 €	160,000.00 €	0.00 €	160,000.00 €	7.80 %
Cluster "Inteligentna Energija" d.o.o.	1,000.00 €	17,700.00 €	24,800.00 €	62,200.00 €	24,300.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
Plastipolis	1,000.00 €	21,200.00 €	42,000.00 €	123,550.00 €	42,250.00 €	230,000.00 €	0.00 €	230,000.00 €	11.22 %
Interbalkan Environment Center	1,000.00 €	19,250.00 €	31,750.00 €	111,500.00 €	36,500.00 €	200,000.00 €	0.00 €	200,000.00 €	9.76 %
Fraunhofer Institute for Machine Tools and Forming Technology	1,000.00 €	43,000.00 €	26,000.00 €	109,000.00 €	21,000.00 €	200,000.00 €	0.00 €	200,000.00 €	9.76 %
Total	30,000.00 €	289,150.00 €	422,550.00 €	967,000.00 €	341,300.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	
% of the total budget	1.46 %	14.10 %	20.61 %	47.17 %	16.65 %	100.00 %	0.00 %	100.00 %	100.00 %

ERDF	30,000.00 €	289,150.00 €	422,550.00 €	967,000.00 €	341,300.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %
Total EU funds	30,000.00 €	289,150.00 €	422,550.00 €	967,000.00 €	341,300.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %

4. D.4 Project budget – overview per WP/ per budget line (Automatically filled in)

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	30,000.00 €	30,000.00 €	0.00 €	30,000.00 €	1.46 %
1 Project management	134,478.27 €	20,171.73 €	31,500.00 €	103,000.00 €	0.00 €	0.00 €	289,150.00 €	0.00 €	289,150.00 €	14.10 %
2 Project communication	233,521.75 €	35,028.26 €	45,999.99 €	108,000.00 €	0.00 €	0.00 €	422,550.00 €	0.00 €	422,550.00 €	20.61 %
3 Testing	685,652.17 €	102,847.83 €	48,500.00 €	130,000.00 €	0.00 €	0.00 €	967,000.00 €	0.00 €	967,000.00 €	47.17 %
4 Transferring	228,086.97 €	34,213.04 €	18,999.99 €	60,000.00 €	0.00 €	0.00 €	341,300.00 €	0.00 €	341,300.00 €	16.65 %
Total	1,281,739.16 €	192,260.86 €	144,999.98 €	401,000.00 €	0.00 €	30,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	
% of the total budget	62.52 %	9.38 %	7.07 %	19.56 %	0.00 %	1.46 %	100.00 %	0.00 %	100.00 %	100.00 %
ERDF	1,281,739.16 €	192,260.86 €	144,999.98 €	401,000.00 €	0.00 €	30,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %
Total EU funds	1,281,739.16 €	192,260.86 €	144,999.98 €	401,000.00 €	0.00 €	30,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %

5. D.5 Project budget – overview per partner/ per module (Automatically filled in)

	Testing	Total budget	Net revenue	Total eligible budget	% total eligible budget
National Research Council - Institute of Industrial Technologies and Automation	310,000.00 €	310,000.00 €	0.00 €	310,000.00 €	15.12 %
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	170,000.00 €	170,000.00 €	0.00 €	170,000.00 €	8.29 %
Associazione Cluster Marche Manufacturing	130,000.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
EURECAT Foundation	230,000.00 €	230,000.00 €	0.00 €	230,000.00 €	11.22 %
Pomurje Technology Park	130,000.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
Technology Park Ljubljana Ltd.	160,000.00 €	160,000.00 €	0.00 €	160,000.00 €	7.80 %
Croatian Chamber of Economy	160,000.00 €	160,000.00 €	0.00 €	160,000.00 €	7.80 %
Cluster "Inteligentna Energija" d.o.o.	130,000.00 €	130,000.00 €	0.00 €	130,000.00 €	6.34 %
Plastipolis	230,000.00 €	230,000.00 €	0.00 €	230,000.00 €	11.22 %
Interbalkan Environment Center	200,000.00 €	200,000.00 €	0.00 €	200,000.00 €	9.76 %
Fraunhofer Institute for Machine Tools and Forming Technology	200,000.00 €	200,000.00 €	0.00 €	200,000.00 €	9.76 %
Total	2,050,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	

% of the total budget	100.00 %	100.00 %	0.00 %	100.00 %	100.00 %
ERDF	2,050,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %
Total EU funds	2,050,000.00 €	2,050,000.00 €	0.00 €	2,050,000.00 €	100.00 %

6. D.6 Net revenues (Automatically filled in)

Partner	Amount
National Research Council - Institute of Industrial Technologies and Automation	0.00 €
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	0.00 €
Associazione Cluster Marche Manufacturing	0.00 €
EURECAT Foundation	0.00 €
Pomurje Technology Park	0.00 €
Technology Park Ljubljana Ltd.	0.00 €
Croatian Chamber of Economy	0.00 €
Cluster "Inteligentna Energija" d.o.o.	0.00 €
Plastipolis	0.00 €
Interbalkan Environment Center	0.00 €
Fraunhofer Institute for Machine Tools and Forming Technology	0.00 €
Total	0.00 €

% of the total budget	0.00 %
Total EU funds	0.00 €

7. D.7 Origin of partner contribution (Automatically filled in)

Partner	Name of the organisation/source of the contribution or own contribution	Nature of the private/public contribution	% of the total contribution of partners	Amount	Cash contribution
AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	private	8.29 %	25,500.00 €	25,500.00 €
Associazione Cluster Marche Manufacturing	Associazione Cluster Marche Manufacturing	private	6.34 %	19,500.00 €	19,500.00 €
EURECAT Foundation	EURECAT Foundation	private	11.22 %	34,500.00 €	34,500.00 €
Cluster "Intelligentna Energija" d.o.o.	Cluster "Intelligentna Energija" d.o.o.	private	6.34 %	19,500.00 €	19,500.00 €
Plastipolis	Plastipolis	private	11.22 %	34,500.00 €	34,500.00 €
National Research Council - Institute of Industrial Technologies and Automation	Interministerial Committee of Economic Planning (CIPE)	public	15.12 %	46,500.00 €	46,500.00 €
Interbalkan Environment Center	Ministry of Finance	public	9.76 %	30,000.00 €	30,000.00 €
Pomurje Technology Park	Pomurje Technology Park	public	6.34 %	19,500.00 €	19,500.00 €
Technology Park Ljubljana Ltd.	Technology Park Ljubljana Ltd.	public	7.80 %	24,000.00 €	24,000.00 €

Croatian Chamber of Economy	Croatian Chamber of Economy – County Chamber Varaždin	public	7.80 %	24,000.00 €	24,000.00 €
Fraunhofer Institute for Machine Tools and Forming Technology	Fraunhofer Institute for Machine Tools and Forming Technology	public	9.76 %	30,000.00 €	30,000.00 €
Sub-total of public contributions			56.59 %	174,000.00 €	174,000.00 €
Sub-total of private contributions			43.41 %	133,500.00 €	133,500.00 €
Total				307,500.00 €	307,500.00 €

8. D.8 Partner budget - overview per WP/ per budget line (Automatically filled in)

National Research Council - Institute of Industrial Technologies and Automation

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	10,000.00 €	10,000.00 €	0.00 €	10,000.00 €	3.23 %
1 Project management	43,478.26 €	6,521.74 €	7,500.00 €	10,000.00 €	0.00 €	0.00 €	67,500.00 €	0.00 €	67,500.00 €	21.77 %
2 Project communication	41,739.13 €	6,260.87 €	10,000.00 €	35,000.00 €	0.00 €	0.00 €	93,000.00 €	0.00 €	93,000.00 €	30.00 %
3 Testing	83,478.26 €	12,521.74 €	5,000.00 €	0.00 €	0.00 €	0.00 €	101,000.00 €	0.00 €	101,000.00 €	32.58 %
4 Transferring	31,304.35 €	4,695.65 €	2,500.00 €	0.00 €	0.00 €	0.00 €	38,500.00 €	0.00 €	38,500.00 €	12.42 %
Total	200,000.00 €	30,000.00 €	25,000.00 €	45,000.00 €	0.00 €	10,000.00 €	310,000.00 €	0.00 €	310,000.00 €	
% of the total budget	64.52 %	9.68 %	8.06 %	14.52 %	0.00 %	3.23 %	100.00 %	0.00 %	100.00 %	100.00 %

AFIL – ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	10,000.00 €	10,000.00 €	0.00 €	10,000.00 €	5.88 %
1 Project management	4,739.13 €	710.87 €	3,000.00 €	13,000.00 €	0.00 €	0.00 €	21,450.00 €	0.00 €	21,450.00 €	12.62 %
2 Project communication	18,956.52 €	2,843.48 €	4,500.00 €	2,000.00 €	0.00 €	0.00 €	28,300.00 €	0.00 €	28,300.00 €	16.65 %
3 Testing	52,130.43 €	7,819.57 €	6,000.00 €	20,000.00 €	0.00 €	0.00 €	85,950.00 €	0.00 €	85,950.00 €	50.56 %
4 Transferring	10,260.87 €	1,539.13 €	1,500.00 €	11,000.00 €	0.00 €	0.00 €	24,300.00 €	0.00 €	24,300.00 €	14.29 %
Total	86,086.95 €	12,913.05 €	15,000.00 €	46,000.00 €	0.00 €	10,000.00 €	170,000.00 €	0.00 €	170,000.00 €	
% of the total budget	50.64 %	7.60 %	8.82 %	27.06 %	0.00 %	5.88 %	100.00 %	0.00 %	100.00 %	100.00 %

Associazione Cluster Marche Manufacturing

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.77 %
1 Project management	7,913.04 €	1,186.96 €	2,000.00 €	7,000.00 €	0.00 €	0.00 €	18,100.00 €	0.00 €	18,100.00 €	13.92 %
2 Project communication	17,565.22 €	2,634.78 €	3,000.00 €	5,000.00 €	0.00 €	0.00 €	28,200.00 €	0.00 €	28,200.00 €	21.69 %
3 Testing	43,913.04 €	6,586.96 €	3,500.00 €	5,000.00 €	0.00 €	0.00 €	59,000.00 €	0.00 €	59,000.00 €	45.38 %
4 Transferring	17,565.22 €	2,634.78 €	1,500.00 €	2,000.00 €	0.00 €	0.00 €	23,700.00 €	0.00 €	23,700.00 €	18.23 %
Total	86,956.52 €	13,043.48 €	10,000.00 €	19,000.00 €	0.00 €	1,000.00 €	130,000.00 €	0.00 €	130,000.00 €	
% of the total budget	66.89 %	10.03 %	7.69 %	14.62 %	0.00 %	0.77 %	100.00 %	0.00 %	100.00 %	100.00 %

EURECAT Foundation

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €	2,000.00 €	0.00 €	2,000.00 €	0.87 %
1 Project management	14,782.61 €	2,217.39 €	3,000.00 €	10,000.00 €	0.00 €	0.00 €	30,000.00 €	0.00 €	30,000.00 €	13.04 %
2 Project communication	33,043.48 €	4,956.52 €	4,500.00 €	9,000.00 €	0.00 €	0.00 €	51,500.00 €	0.00 €	51,500.00 €	22.39 %
3 Testing	82,608.70 €	12,391.30 €	5,250.00 €	4,000.00 €	0.00 €	0.00 €	104,250.00 €	0.00 €	104,250.00 €	45.33 %
4 Transferring	33,043.48 €	4,956.52 €	2,250.00 €	2,000.00 €	0.00 €	0.00 €	42,250.00 €	0.00 €	42,250.00 €	18.37 %
Total	163,478.27 €	24,521.73 €	15,000.00 €	25,000.00 €	0.00 €	2,000.00 €	230,000.00 €	0.00 €	230,000.00 €	
% of the total budget	71.08 %	10.66 %	6.52 %	10.87 %	0.00 %	0.87 %	100.00 %	0.00 %	100.00 %	100.00 %

Pomurje Technology Park

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.77 %
1 Project management	2,173.91 €	326.09 €	2,000.00 €	13,000.00 €	0.00 €	0.00 €	17,500.00 €	0.00 €	17,500.00 €	13.46 %
2 Project communication	12,173.91 €	1,826.09 €	3,000.00 €	12,000.00 €	0.00 €	0.00 €	29,000.00 €	0.00 €	29,000.00 €	22.31 %
3 Testing	33,478.26 €	5,021.74 €	3,500.00 €	18,000.00 €	0.00 €	0.00 €	60,000.00 €	0.00 €	60,000.00 €	46.15 %
4 Transferring	12,173.91 €	1,826.09 €	1,500.00 €	7,000.00 €	0.00 €	0.00 €	22,500.00 €	0.00 €	22,500.00 €	17.31 %
Total	59,999.99 €	9,000.01 €	10,000.00 €	50,000.00 €	0.00 €	1,000.00 €	130,000.00 €	0.00 €	130,000.00 €	
% of the total budget	46.15 %	6.92 %	7.69 %	38.46 %	0.00 %	0.77 %	100.00 %	0.00 %	100.00 %	100.00 %

Technology Park Ljubljana Ltd.

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.63 %
1 Project management	10,347.83 €	1,552.17 €	2,000.00 €	0.00 €	0.00 €	0.00 €	13,900.00 €	0.00 €	13,900.00 €	8.69 %
2 Project communication	22,434.78 €	3,365.22 €	3,000.00 €	5,000.00 €	0.00 €	0.00 €	33,800.00 €	0.00 €	33,800.00 €	21.13 %
3 Testing	56,086.96 €	8,413.04 €	3,500.00 €	8,000.00 €	0.00 €	0.00 €	76,000.00 €	0.00 €	76,000.00 €	47.50 %
4 Transferring	22,434.78 €	3,365.22 €	1,500.00 €	8,000.00 €	0.00 €	0.00 €	35,300.00 €	0.00 €	35,300.00 €	22.06 %
Total	111,304.35 €	16,695.65 €	10,000.00 €	21,000.00 €	0.00 €	1,000.00 €	160,000.00 €	0.00 €	160,000.00 €	
% of the total budget	69.57 %	10.43 %	6.25 %	13.13 %	0.00 %	0.63 %	100.00 %	0.00 %	100.00 %	100.00 %

Croatian Chamber of Economy

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.63 %
1 Project management	3,956.52 €	593.48 €	2,000.00 €	13,000.00 €	0.00 €	0.00 €	19,550.00 €	0.00 €	19,550.00 €	12.22 %
2 Project communication	19,304.35 €	2,895.65 €	3,000.00 €	9,000.00 €	0.00 €	0.00 €	34,200.00 €	0.00 €	34,200.00 €	21.38 %
3 Testing	53,086.96 €	7,963.04 €	3,500.00 €	10,000.00 €	0.00 €	0.00 €	74,550.00 €	0.00 €	74,550.00 €	46.59 %
4 Transferring	19,304.35 €	2,895.65 €	1,500.00 €	7,000.00 €	0.00 €	0.00 €	30,700.00 €	0.00 €	30,700.00 €	19.19 %
Total	95,652.18 €	14,347.82 €	10,000.00 €	39,000.00 €	0.00 €	1,000.00 €	160,000.00 €	0.00 €	160,000.00 €	
% of the total budget	59.78 %	8.97 %	6.25 %	24.38 %	0.00 %	0.63 %	100.00 %	0.00 %	100.00 %	100.00 %

Cluster "Inteligentna Energija" d.o.o.

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.77 %
1 Project management	2,347.83 €	352.17 €	2,000.00 €	13,000.00 €	0.00 €	0.00 €	17,700.00 €	0.00 €	17,700.00 €	13.62 %
2 Project communication	12,869.57 €	1,930.44 €	2,999.99 €	7,000.00 €	0.00 €	0.00 €	24,800.00 €	0.00 €	24,800.00 €	19.08 %
3 Testing	35,391.30 €	5,308.70 €	3,500.00 €	18,000.00 €	0.00 €	0.00 €	62,200.00 €	0.00 €	62,200.00 €	47.85 %
4 Transferring	12,869.57 €	1,930.44 €	1,499.99 €	8,000.00 €	0.00 €	0.00 €	24,300.00 €	0.00 €	24,300.00 €	18.69 %
Total	63,478.27 €	9,521.75 €	9,999.98 €	46,000.00 €	0.00 €	1,000.00 €	130,000.00 €	0.00 €	130,000.00 €	
% of the total budget	48.83 %	7.32 %	7.69 %	35.38 %	0.00 %	0.77 %	100.00 %	0.00 %	100.00 %	100.00 %

Plastipolis

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.43 %
1 Project management	12,347.83 €	1,852.17 €	3,000.00 €	4,000.00 €	0.00 €	0.00 €	21,200.00 €	0.00 €	21,200.00 €	9.22 %
2 Project communication	24,782.61 €	3,717.39 €	4,500.00 €	9,000.00 €	0.00 €	0.00 €	42,000.00 €	0.00 €	42,000.00 €	18.26 %
3 Testing	94,173.91 €	14,126.09 €	5,250.00 €	10,000.00 €	0.00 €	0.00 €	123,550.00 €	0.00 €	123,550.00 €	53.72 %
4 Transferring	33,043.48 €	4,956.52 €	2,250.00 €	2,000.00 €	0.00 €	0.00 €	42,250.00 €	0.00 €	42,250.00 €	18.37 %
Total	164,347.83 €	24,652.17 €	15,000.00 €	25,000.00 €	0.00 €	1,000.00 €	230,000.00 €	0.00 €	230,000.00 €	
% of the total budget	71.46 %	10.72 %	6.52 %	10.87 %	0.00 %	0.43 %	100.00 %	0.00 %	100.00 %	100.00 %

Interbalkan Environment Center

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.50 %
1 Project management	4,565.22 €	684.78 €	2,000.00 €	12,000.00 €	0.00 €	0.00 €	19,250.00 €	0.00 €	19,250.00 €	9.63 %
2 Project communication	16,304.35 €	2,445.65 €	3,000.00 €	10,000.00 €	0.00 €	0.00 €	31,750.00 €	0.00 €	31,750.00 €	15.88 %
3 Testing	65,217.39 €	9,782.61 €	3,500.00 €	33,000.00 €	0.00 €	0.00 €	111,500.00 €	0.00 €	111,500.00 €	55.75 %
4 Transferring	21,739.13 €	3,260.87 €	1,500.00 €	10,000.00 €	0.00 €	0.00 €	36,500.00 €	0.00 €	36,500.00 €	18.25 %
Total	107,826.09 €	16,173.91 €	10,000.00 €	65,000.00 €	0.00 €	1,000.00 €	200,000.00 €	0.00 €	200,000.00 €	
% of the total budget	53.91 %	8.09 %	5.00 %	32.50 %	0.00 %	0.50 %	100.00 %	0.00 %	100.00 %	100.00 %

Fraunhofer Institute for Machine Tools and Forming Technology

	Staff costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Preparation costs	Total budget	Net revenue	Total eligible budget	% total eligible budget
0 Preparation costs	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	1,000.00 €	0.00 €	1,000.00 €	0.50 %
1 Project management	27,826.09 €	4,173.91 €	3,000.00 €	8,000.00 €	0.00 €	0.00 €	43,000.00 €	0.00 €	43,000.00 €	21.50 %
2 Project communication	14,347.83 €	2,152.17 €	4,500.00 €	5,000.00 €	0.00 €	0.00 €	26,000.00 €	0.00 €	26,000.00 €	13.00 %
3 Testing	86,086.96 €	12,913.04 €	6,000.00 €	4,000.00 €	0.00 €	0.00 €	109,000.00 €	0.00 €	109,000.00 €	54.50 %
4 Transferring	14,347.83 €	2,152.17 €	1,500.00 €	3,000.00 €	0.00 €	0.00 €	21,000.00 €	0.00 €	21,000.00 €	10.50 %
Total	142,608.71 €	21,391.29 €	15,000.00 €	20,000.00 €	0.00 €	1,000.00 €	200,000.00 €	0.00 €	200,000.00 €	
% of the total budget	71.30 %	10.70 %	7.50 %	10.00 %	0.00 %	0.50 %	100.00 %	0.00 %	100.00 %	100.00 %

9. D.9 Project budget – overview per semesters

Reference period	Expenditure forecast per period of implementation (€)	
	Total eligible (€) of partners ERDF	ERDF
Semester I (from 01/07/2016 to 31/12/2016)	0.00 €	0.00 €
Semester II (from 01/01/2017 to 30/06/2017)	138,608.74 €	117,817.43 €
Semester III (from 01/07/2017 to 31/12/2017)	524,543.28 €	445,861.79 €
Semester IV (from 01/01/2018 to 30/06/2018)	589,759.94 €	501,295.95 €
Semester V (from 01/07/2018 to 31/12/2018)	278,545.32 €	236,763.52 €
Semester VI (from 01/01/2019 to 30/06/2019)	436,341.62 €	370,890.38 €
Semester VII (from 01/07/2019 to 31/07/2019)	82,201.10 €	69,870.93 €
Total	2,050,000.00 €	1,742,500.00 €

- V - PART E - Signature

1. E. 1. Lead partner confirmation and signature

By signing the application form the lead partner on behalf of all partners, confirms that:

- the project neither in whole or in part has or will receive any other additional EU funds (except for the funds indicated in this application form) during the whole duration of the project;
- the project partners listed in the application form are committed to take part in the project's activities and financing;
- the project is in line with the relevant EU and national/regional legislation and policies of the regions and countries involved;
- the lead partner and the project partners will act according to the provisions of the relevant national and EU regulations, especially regarding structural funds, public procurement, state aid, equal opportunities and sustainable development, as well as the specific provisions of the programme;
- the project respects equal opportunities and non-discrimination and has no harmful impact on the environment;
- the information in the application form is accurate and true to the best knowledge of the lead partner.

This engagement would be under the condition of confirming all the above mentioned information in the partnership agreement once, the project has been approved by the MED Selection Committee.

Signature

- Place and date :
- Name of signing person :
- Position of signing person :
- Signature of lead partner :
- Stamp of lead partner