

A Project overview

Title

Unlocking Green Hydrogen Economy for SMEs in European Regions

61/110

Acronym

UNLOCK

6/18

Project ID

01C0022

A.1 Project identification

Name of the lead partner organisation

ALP01 Hanze University of Applied Sciences Groningen

Policy objective

Smarter Europe (policy objective 1)



Specific objective

SME competitiveness



Project duration

	Core phase	Duration	36 months
Start date	01 March 2023	End date	28 February 2026
	Follow-up phase	Duration	12 months
Start date	01 March 2026	End date	28 February 2027
	Closure phase	Duration	3 months
Start date	01 March 2027	End date	31 May 2027

A.2 Project summary

Please give a short overview of the project (in the style of a press release) focusing in particular on the issue addressed, the partnership and the overall objective.

Please note that, should the project be approved, this summary will be published on the programme's website. (In English language)

Many regions across Europe are developing or preparing to establish local green hydrogen economies, the so-called hydrogen valleys, which include initiatives for smart and green mobility, circular economy, and climate adaptation. Most of these hydrogen valleys are led by industry, whereas participation of SMEs is rather limited. Moreover, it seems that local SMEs are not aware of opportunities or possible challenges that open up with development of local hydrogen economies.

Policy authorities can play an important role in both making SMEs aware of new opportunities and facilitating the participation of SMEs in local green hydrogen economies, that is, by unlocking the potential of regional hydrogen economies for SMEs. By adjusting and improving existing regional policy instruments with regard to developing new economic realities – the local green hydrogen economy – the regional public authorities will enhance sustainable growth, competitiveness of SMEs and job creation in SMEs.

The established consortium represents European regions that share the common regional development issue of sustainable growth, SMEs competitiveness and job creation within SMEs in the fast-developing regional green H2 economies. The consortium, consisting of responsible policy authorities, universities and relevant stakeholders from different European regions developing local green H2 economies, aims at improving regional policy instruments aiming at enhancement of sustainable growth, SMEs competitiveness and job creation within SMEs. By sharing experiences and engaging in common learning activities, the regions, together with relevant stakeholders and supported by expertise of involved universities, will identify good policy practices and draw policy lessons for enhancement of sustainable growth, SMEs competitiveness and job creation within SMEs in the rapidly developing green H2 economies.

1898/2000

B Partners / associated policy authorities

Overview partners

Partner number	1	Organisation	Hanze University of Applied Sciences Groningen				
Role	Advisory Lead Partner	Country	Netherlands (Nederland)				
Geographical area	West	ERDF/Norwegian	403,879.20	Total partner contribution	100,969.80	Total partner budget	504,849.00
Partner number	2	Organisation	Province of Fryslân				
Role	Partner	Country	Netherlands (Nederland)				
Geographical area	West	ERDF/Norwegian	200,240.00	Total partner contribution	50,060.00	Total partner budget	250,300.00
Partner number	3	Organisation	Puglia Region				
Role	Partner	Country	Italy (Italia)				
Geographical area	South	ERDF/Norwegian	68,800.00	Total partner contribution	17,200.00	Total partner budget	86,000.00
Partner number	4	Organisation	Podkarpackie Region				
Role	Partner	Country	Poland (Polska)				
Geographical area	East	ERDF/Norwegian	147,379.20	Total partner contribution	36,844.80	Total partner budget	184,224.00
Partner number	5	Organisation	DITNE (Italian National Energy Technological Cluster)				
Role	Partner	Country	Italy (Italia)				
Geographical area	South	ERDF/Norwegian	93,800.00	Total partner contribution	40,200.00	Total partner budget	134,000.00

Partner number	6	Organisation	Inter-Municipal Community of Médio Tejo				
Role	Partner	Country	Portugal (Portugal)				
Geographical area	South	ERDF/Norwegian	144,000.00	Total partner contribution	36,000.00	Total partner budget	180,000.00
Partner number	7	Organisation	Mallorca Island Council				
Role	Partner	Country	Spain (España)				
Geographical area	South	ERDF/Norwegian	128,852.80	Total partner contribution	32,213.20	Total partner budget	161,066.00
Partner number	8	Organisation	Region Västerbotten (Region Västerbotten)				
Role	Partner	Country	Sweden (Sverige)				
Geographical area	North	ERDF/Norwegian	209,376.00	Total partner contribution	52,344.00	Total partner budget	261,720.00
Partner number	9	Organisation	Ånge municipality				
Role	Partner	Country	Sweden (Sverige)				
Geographical area	North	ERDF/Norwegian	163,590.40	Total partner contribution	40,897.60	Total partner budget	204,488.00

Overview associated policy authorities

Organisation	Centro Regional Coordination and Development Commission	Country	Portugal (Portugal)
Organisation	Region Västernorrland	Country	Sweden (Sverige)

Project users as of the AF submission

Users of lead partner "ALP01 Hanze University of Applied Sciences Groningen"

👤 Dick Pouwels

✉ d.j.pouwels@pl.hanze.nl

📞 No phone number provided.

👤 Beata Kviatek

✉ b.kviatek@pl.hanze.nl

📞 No phone number provided.

Legal representatives

ALP01 Hanze University of Applied Sciences Groningen

👤 Dick Pouwels

✉ d.j.pouwels@pl.hanze.nl

📞 No phone number provided.

PP02 Province of Fryslân

👤 Regina Bouius – Riemersma

✉ r.bouius@fryslan.frl

📞 No phone number provided.

PP03 Puglia Region

👤 Michele Emiliano

✉ segreteria.presidente@regione.puglia.it

📞 No phone number provided.

PP04 Podkarpackie Region

👤 Władysław Ortyl

✉ marszalek@podkarpackie.pl

📞 No phone number provided.

PP05 DITNE (Italian National Energy Technological Cluster)

👤 Arturo De Risi

✉ presidenza@ditne.it

📞 No phone number provided.

PP06 Inter-Municipal Community of Médio Tejo

👤 Anabela Gaspar de Freitas

✉ presidencia@cm-tomar.pt

📞 No phone number provided.

PP07 Mallorca Island Council

👤 Catalina Cladera

✉ presidencia@conselldemallorca.net

📞 No phone number provided.

PP08 Region Västerbotten (Region Västerbotten)

👤 Anna Pettersson

✉ anna.pettersson@regionvasterbotten.se

📞 No phone number provided.

PP09 Ånge municipality

👤 Mattias Robertsson Bly

✉ mattias.robertsson-bly@ange.se

📞 No phone number provided.

Centro Regional Coordination and Development Commission

👤 Isabel Damasceno

✉ presidente@ccdr.pt

Region Västernorrland

👤 Märta Molin

✉ marta.molin@rvn.se

 No phone number provided.

 No phone number provided.

B.1.1 Organisation identity

Country

Netherlands (Nederland)

Organisation

Hanze University of Applied Sciences Groningen

Organisation role

Advisory Lead Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

B.1.2 Advisory partner role and competences

What are the partner's competences and experiences in the issue addressed by the project?

Hanze University (HUAS) is a broad, comprehensive knowledge institution, in which education and applied research are mutually reinforcing. It provides research and innovation infrastructure that fosters entrepreneurship, sustainable growth and energy transition in the northern Netherlands and in that way boosts the region's resilience. It is an engaged university: together with partners, all over the world, we work on innovation and a sustainable and liveable future.

Ensuring sustainable growth, SMEs competitiveness and jobs creation during the transition to climate neutral green hydrogen economy is one of the regional challenges addressed by the Energy Transition Centre (EnTranCe), the HUAS Centre of Expertise that represents an interdisciplinary community of researchers with backgrounds in social (economics, business, law, policy analysis and public administration, communication, etc.) as well as natural sciences and applied engineering. In the meantime EnTranCe has established itself as one of the main research and innovation centres in the northern Netherlands with an (inter)national engagement. For this project the expertise of EnTranCe in understanding socio-economic aspects of energy transition, stimulating participation of SMEs in development of green hydrogen value chains, development of regional green hydrogen valleys, analysing national and regional policy and decision-making in the energy transition, policy transfer, and interregional learning will be of value.

1498/1500

What is the advisory partner's role in the project?

ALP01 brings expertise on topic (enhancement of sustainable growth, SMEs competitiveness and jobs creation in developing regional green H2 economies), as well as process and outcome (administrative capacity building, policy analysis and improvement, organisational learning and policy transfer, engagement with stakeholders, governance approaches), that is indispensable for achievement of project objectives.

ALP01 will develop and share 4 methodologies on: 1) analysis of partner's situation and identification of good practices; 2) facilitation of individual and organisation learning to ensure the effectiveness of interregional learning activities; 3) effective engagement with the groups of relevant stakeholders during project activities and different phases of policy making, including co-creation of policy solutions and governance approaches; 4) monitoring the first effects of the policy improvements and whether additional policy improvements are being achieved.

ALP01 will share expertise on: 1) socio-economic aspects of energy transition; 2) the role of SMEs in regional economy; 3) development of regional green H2 valleys: opportunities (and risks) for SMEs competitiveness and jobs creation; 4) developing industrial symbiosis: stimulating participation of SMEs in green H2 value chain; 5) optimal energy infrastructure for SMEs competitiveness; 6) connecting SMEs to regional energy innovations; 7) effective governance approaches; 8) conditions for successful policy transfer.

1498/1500

Organisation details

Name in English

Hanze University of Applied Sciences Groningen

46/200

Name in original language

Hanzehogeschool Groningen

25/200

Address

Zernikeplein 1

14/200

Postal code

9747AS

6/200

City

Groningen

9/200

Country

Netherlands (Nederland)



Nuts 1

Noord-Nederland



Nuts 2

Groningen



Nuts 3

Overig Groningen



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

NL801441243B01

14/200

Website

<https://www.hanze.nl/eng>

24/200

Legal status

Public body or body governed by public law



Type of partner

Education and research institution



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.2.1 Organisation identity

Country

Netherlands (Nederland)

Organisation

Province of Fryslân

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Province of Fryslân

19/200

Name in original language

Provincie Fryslân

17/200

Address

Tweebaksmarkt 52

16/200

Postal code

8900 HM

7/200

City

Leeuwarden

10/200

Country

Netherlands (Nederland) ▼

Nuts 1

Noord-Nederland ▼

Nuts 2

Friesland (NL) ▼

Nuts 3

Zuidoost-Friesland ▼

If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

NL001032823B02

14/200

Website

<https://www.fryslan.frl/>

24/200

Legal status

Public body or body governed by public law ▼

Type of partner

Regional public authority ▼

If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.3.1 Organisation identity

Country

Italy (Italia)

Organisation

Puglia Region

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Puglia Region

13/200

Name in original language

Regione Puglia

14/200

Address

Via Gobetti 26

14/200

Postal code

70125

5/200

City

Bari

4/200

Country

Italy (Italia)



Nuts 1

Sud



Nuts 2

Puglia



Nuts 3

Bari



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

01105250722

11/200

Website

<https://www.regione.puglia.it/>

30/200

Legal status

Public body or body governed by public law



Type of partner

Regional public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.4.1 Organisation identity

Country

Poland (Polska)

Organisation

Podkarpackie Region

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Podkarpackie Region

19/200

Name in original language

Województwo Podkarpackie

24/200

Address

Łukasza Cieplińskiego 4

23/200

Postal code

35-010

6/200

City

Rzeszów

7/200

Country

Poland (Polska)



Nuts 1

Makroregion wschodni



Nuts 2

Podkarpackie



Nuts 3

Rzeszowski



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

PL 8133315014

13/200

Website

<https://podkarpackie.pl/>

24/200

Legal status

Public body or body governed by public law



Type of partner

Regional public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.5.1 Organisation identity

Country

Italy (Italia)

Organisation

DITNE (Italian National Energy Technological Cluster)

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

DITNE (Italian National Energy Technological Cluster)

53/200

Name in original language

Distretto Tecnologico Nazionale sull'Energia

44/200

Address

Palazzo Guerrieri, Via Guerrieri 7

34/200

Postal code

72100

5/200

City

Brindisi

8/200

Country

Italy (Italia)



Nuts 1

Sud



Nuts 2

Puglia



Nuts 3

Bari



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

02216850749

11/200

Website

<https://www.ditne.it/>

21/200

Legal status

Body governed by private law (only non-profit)



Type of partner

Interest group



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

70%

B.6.1 Organisation identity

Country

Portugal (Portugal)

Organisation

Inter-Municipal Community of Médio Tejo

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Inter-Municipal Community of Médio Tejo

39/200

Name in original language

CIM Médio Tejo

14/200

Address

Convento de São Francisco Av. General Bernardo Faria

52/200

Postal code

2200-086

8/200

City

Tomar

5/200

Country

Portugal (Portugal)



Nuts 1

Continente



Nuts 2

Centro (PT)



Nuts 3

Médio Tejo



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

502106506

9/200

Website

<https://mediotejo.pt/>

21/200

Legal status

Public body or body governed by public law



Type of partner

Local public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.7.1 Organisation identity

Country

Spain (España)

Organisation

Mallorca Island Council

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Mallorca Island Council

23/200

Name in original language

Consell Insular de Mallorca

27/200

Address

General Riera, 111

18/200

Postal code

7010

4/200

City

Palma

5/200

Country

Spain (España)



Nuts 1

Este



Nuts 2

Illes Balears



Nuts 3

Mallorca



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

S0711002F

9/200

Website

<https://www.conselldemallorca.cat/>

34/200

Legal status

Public body or body governed by public law



Type of partner

Local public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.8.1 Organisation identity

Country

Sweden (Sverige)

Organisation

Region Västerbotten (Region Västerbotten)

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Region Västerbotten (Region Västerbotten)

41/200

Name in original language

Region Västerbotten

19/200

Address

Västra Norrlandsgatan 13

24/200

Postal code

0/200

City

Umeå

4/200

Country

Sweden (Sverige) ▼

Nuts 1

Norra Sverige ▼

Nuts 2

Övre Norrland ▼

Nuts 3

Västerbottens län ▼

If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

SE232100022201

14/200

Website

<http://regionvasterbotten.se/>

29/200

Legal status

Public body or body governed by public law ▼

Type of partner

Regional public authority ▼

If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.9.1 Organisation identity

Country

Sweden (Sverige)

Organisation

Ånge municipality

Organisation role

Partner



Partner financed through the Investment for Jobs and Growth programme (article 22(3) (d) (vi) of Regulation (EU) No 2021/1060)

Please select 'Yes' if the participation of the partner is financed directly by their regional operational programme and not through Interreg Europe (see programme manual for further information).

No



☒ 15% flat rate for 'Travel and accommodation'

By unticking the box above this partner will have to budget and report costs under Travel and accommodation on a real costs basis.

Organisation details

Name in English

Ånge municipality

17/200

Name in original language

Ånge kommun

11/200

Address

Torggatan 10

12/200

Postal code

841 81

6/200

City

Ånge

4/200

Country

Sweden (Sverige)



Nuts 1

Norra Sverige



Nuts 2

Mellersta Norrland



Nuts 3

Västernorrlands län



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

SE-2120002387-1

15/200

Website

<https://www.ange.se/>

20/200

Legal status

Public body or body governed by public law



Type of partner

Local public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

Co-financing rate (%)

80%

B.i.1 Organisation identity

Country

Portugal (Portugal)

Organisation

Centro Regional Coordination and Development Commission

Organisation role

Associated Policy Authority



Organisation details

Name in English

Centro Regional Coordination and Development Commission

55/200

Name in original language

Comissão de Coordenação e Desenvolvimento Regional do Centro (CCDRC)

68/200

Address

Rua Bernardim Ribeiro 80

24/200

Postal code

3000-069

8/200

City

Coimbra

7/200

Country

Portugal (Portugal)



Nuts 1

Continente



Nuts 2

Centro (PT)



Nuts 3

Médio Tejo



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

600075613

9/200

Website

<https://www.ccdrc.pt/>

21/200

Legal status

Public body or body governed by public law



Type of partner

Regional public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

B.ii.1 Organisation identity

Country

Sweden (Sverige)

Organisation

Region Västernorrland

Organisation role

Associated Policy Authority



Organisation details

Name in English

Region Västernorrland

21/200

Name in original language

Region Västernorrland

21/200

Address

Storgatan 1

11/200

Postal code

871 85

6/200

City

Härnösand

9/200

Country

Sweden (Sverige)



Nuts 1

Norra Sverige



Nuts 2

Mellersta Norrland



Nuts 3

Västernorrlands län



If you consider the country or Nuts regions of this organisation wrong, please contact info@interregeurope.eu.

VAT number (or other identifier)

232100-0206

11/200

Website

<https://www.rvn.se/>

19/200

Legal status

Public body or body governed by public law



Type of partner

Regional public authority



If you consider the legal status of this organisation is wrong, please contact info@interregeurope.eu.

C.1 Issue addressed

What is the common regional development issue addressed by the project? Please make sure this information is coherent with the programme specific objective you selected in section A and with the description of the policy instruments in section D.

The project addresses the common regional development issue of sustainable growth, SMEs competitiveness and job creation within SMEs in the fast-developing regional green H2 economies. The development of the so-called green hydrogen valleys is an ambitious policy goal of the European Union, in which regional industry, together with national and regional public authorities, has the leading role, whereas participation of SMEs is rather limited (with a very few exceptions). Moreover, it emerges that local SMEs are not prepared or fully unaware about the ongoing transformation of an economic system towards green H2 economy, what poses the threat to sustainable growth, SMEs competitiveness and job creation within SMEs in those regions. Public authorities can play an important role in anticipating the undesired developments and ensuring and enhancing sustainable growth, SMEs competitiveness and job creation within SMEs in the speedily transforming regional eco-systems.

978/1000

Why is this issue important for European regions? Please be as specific as possible (data and statistics are welcome if possible).

SMEs are crucial for local economic development: job creation, growth, sustainability, social cohesion, and spread of innovations. SMEs represent 99% of all businesses in the EU, employ around 100 million people, account for more than half of EU's GDP and play a key role in adding value in every sector of the economy (EC, 2022). However, only competitive SMEs are resilient to future challenges. The SME Competitiveness Outlook 2021 (ITC) has revealed that SMEs are especially vulnerable for socio-economic challenges, such as Covid-19 pandemics and energy transition. Eurobarometer 2020 revealed that a third of EU Member States do not have support measures in place to help SMEs comply with environmental and energy regulations. With accelerated development of the European Hydrogen Backbone by 2030 instead of 2035, as a response to the European Commission's Fit for 55 and REPowerEU goals and the urgent need to ensure the energy independence from Russia.

962/1000

How does the project contribute to the EU Cohesion policy? Does it also contribute to other European strategies or policies?

The project contributes by developing organisational capacities of European regions, boosting local green H2 economies, improving policy instruments for enhancement of sustainable growth, SME competitiveness, and jobs creation within SMEs. The project reduces disparities between regions enabling sharing of experiences and good practices through individual and organisational learning; enhances the quality of governance networks by stimulating engagement with groups of relevant stakeholders; increases the organisational capacity of regions by strengthening cooperation with knowledge institutions. Though project addresses the EU regional policy objective A Smart Europe, it also contributes to the achievement of policy objective A Greener Europe. Also, the project indirectly contributes to the achievement of goals of following EU strategies: A European Green Deal, An Economy that works for people, A stronger Europe in the world, and A new push for European democracy.

979/1000

C.2 Project's overall objective

The project's overall objective is to improve the implementation of regional development policies in the field of Smarter Europe (policy objective 1), in particular to improve the policy instruments described in section D of the present application.

Please further describe the project's overall objective below.

The project will reduce disparities between European regions, enhance organisational capacities of regional authorities, and improve policy instruments for enhancement of sustainable growth, SMEs competitiveness and job creation in SMEs, including by productive investments, in rapidly developing regional green H2 economies, by enabling responsible policy authorities (a) to share experiences among each other and identify good practices, (b) to develop new knowledge through participation in common learning activities and individual and organisational learning, (c) to engage with groups of relevant stakeholders and enhance the quality of (existing) governance systems, (d) to gain expertise from the involved universities, and (e) to draw policy lessons for improvement of regional interventions.

801/1000

C.3 Project innovative character

Please explain the innovative character of the project and of its expected results, in particular in comparison to similar initiatives/projects you are aware of.

The project is innovative in addressing the regional development issue of sustainable growth, SMEs competitiveness and job creation in SMEs in the context of developing regional green H2 economies. The rapid transition to green H2 economy opens new opportunities, but these are little used by SMEs, having difficulty to connect to regional innovations in the energy system. The project brings innovations in regional policy making across Europe by developing organisational capacities through interregional learning for regions involved in developing green H2 economy and experiencing low or decreasing SMEs competitiveness and low number of new jobs in SMEs. The project is innovative in the proposed approach to enhance the quality of interregional governance networks by placing engagement with stakeholders at the core of regional policy making. The involvement of Advisory Lead Partner is innovative in the manner it orchestrates the common effort and supports the consortium with expertise.

997/1000

For projects deriving from past Interreg experiences (follow-up projects), please clarify the added-value of this cooperation compared to the previous experience.

This project is not a follow-up project. It is new in addressing the issue of sustainable growth, SMEs competitiveness and job creation in SMEs in the context of developing regional green H2 economies. The project moves further than past IE projects that focused on SMEs competitiveness without consideration of implications from rapid transformation of regional energy system. At the same time, the project builds up on knowledge and considers good practices identified by other IE projects, especially in the area of enhancement of SMEs competitiveness. The new consortium develops new interregional collaborations between regions developing green H2 economy in Europe's North, West, East, and South. It will enable regional authorities to enhance organisational capacities and to strengthen or develop governance structures with regional stakeholders for designing more effective policy solutions.

902/1000

C.4 Project approach

Please describe the approach/methodology adopted to achieve the project's objectives within the core phase.

- How is the learning process organised at regional and interregional levels? If applicable, please describe the different steps you envisage to reach the project's objective.
- What is the purpose of the different types of activities proposed? In particular, how do they contribute to individual and/or organisational learning? How are these activities interrelated?
- How do you ensure the involvement of stakeholders in the learning process?

Addressing the issue of sustainable growth, SMEs competitiveness and job creation in SMEs, while developing local green H2 economies, is a challenge that is easier to approach if there is a possibility to draw lessons from other regions by engaging in (inter)regional learning. Therefore, to achieve the project's objective a number of (inter)regional learning activities for identification, analysis and transfer of good practices will be organised following a logical path:

First, partner's analyse situation and identify valuable experiences and good practices using the for this purpose developed methodology, provided by ALP001, including good practices from database on the Interreg Europe Policy Learning Platform.

The identified valuable experiences and good practices, e.g., methodologies, projects, techniques, or governance approaches, will be further analysed and improved, together with relevant stakeholders, during (inter)regional Study Visits, consisting of Site Visits, Thematic Seminars, Interactive Workshops, and Peer Reviews. The Site Visits stimulate learning from practice about a variety of policy solutions in different settings. These are followed by Thematic Seminars that include expert-guest lectures and an interactive part, during which policy makers, relevant stakeholders, and experts will exchange experiences and knowledge. The Thematic Seminars focus on a specific theme or an issue and offer a possibility to discuss different approaches. These are followed by Interactive Workshops that focus on designing solutions in co-creation with stakeholders. Both Thematic Seminars and Interactive Workshops provide content for lessons to be drawn. The most useful findings from analysis of the exchanged experiences and good practices will be disseminated by placing contributions in the good practices database of the Interreg Europe programme. During Peer Reviews partners will review each other's efforts to improve the policy instrument(s), using for this purpose developed methodology, consisting of a preparatory questionnaire and a review report with feedback and recommendations.

The learning process will take place at individual and organizational levels to ensure the best learning outcomes. The interregional exchange of experiences during study visits with site visits, thematic seminars, and interactive workshops will support individual learning and will lead to the increased capacity of persons, which, in turn, will lead to the increased capacity of organisations (organisational learning) and the improved policies. During these learning activities every partner will engage with identified group of relevant stakeholders regarding the transfer of good practices and integration of the

lessons learned from interregional cooperation into respective regional policy instruments. This will ensure that the learning process comprises both interregional and regional levels. Besides, a combination of networking activities with different learning activities will allow for enhancement of quality of governance networks. The peer reviews are focused primarily on organisational learning, but will support both individual as well as organisational learning.

Next to a variety of interregional learning activities with participation of relevant stakeholders, partners will organize at least 56 regional / local engagement with stakeholders events. Also, partners will participate in at least 10 Interreg Europe programme level events, e.g., the Policy Learning Platform activities, programme annual events, and workshops.

3569/4000

Please explain the approach/methodology envisaged for the **follow-up phase** (i.e. last year of the project)? To what extent are the stakeholders expected to be involved in the follow-up phase?

During the follow-up partners will monitor the first effects of the policy improvements and whether additional policy improvements are being achieved. In the case of action plan, partner will monitor the extent to which the measures described in the action plan are implemented and gather evidence of any achievements to be reported. The partners will continue (inter)regional learning through exchange of experiences on monitoring and participate in at least 4 Interreg Europe programme level events. The partners' progress reports will be consolidated into the six-month progress reports for JS. The final interregional partner meeting will be held to define final outputs. The project will be completed with a final conference at EU level to disseminate the findings and results to regional, national, and international stakeholders.

837/1000

C.5 Project indicators

Output indicators

Code	RC087	Title	N° of organisations cooperating across borders
Target	63		
Code	RC084	Title	N° of pilot actions developed jointly and implemented in projects
Target	0		
Code	OI4	Title	N° of policy instruments addressed
Target	7		
Code	OI5	Title	N° of interregional policy learning events organised
Target	9		
Code	O16	Title	N° of good practices identified
Target	22		

Result indicators

Code	RII2	Title	N° of organisations with increased capacity due to their participation in project activities
	<div><div></div></div> 55	Performance (%)	87
Code	RI3	Title	N° of policy instruments improved thanks to the project
	<div><div></div></div> 7	Performance (%)	100

C.6 Communication strategy

Please indicate the overall objectives of the project's communication strategy.

The overall objective of the communication strategy is to support achievement of the project's goal by (1) creating awareness, informing, and persuading external stakeholders and target groups at regional, national, and European level; (2) organizing effective internal communication among project partners; (3) engaging with relevant stakeholders groups, (4) sharing project's results with Interreg Europe community, all relevant stakeholders, policy makers, media, and broader public.

486/500

Please describe the target groups of your communication strategy.

Target groups divided into four categories according to their influence and interest on topic: (1) the key group: politicians and public officials dealing with sustainable growth and SMEs competitiveness; (2) group with high interest / lower influence: SMEs support organisations and networks, chambers of commerce; (3) group with lower interest / high influence: politicians and public officials dealing with related topics; (4) group with lower interest and influence are media and general public.

499/500

Please explain the main communication tools and channels (including social media outreach) that will be used.

We will tailor messages per target group and use adequate for the communication purpose and the target group tools and channels, including a dedicated project website, video's, face-to-face and direct communication, social media (twitter/FB), newsletters, events, partners' website and communication channels, Interreg Europe platform, and publications. For internal communication and engagement with stakeholders we will use face-to-face and direct communication, online platform, and social media.

499/500

Please describe briefly how the communication strategy will be implemented and evaluated.

Each partner will appoint communication manager to implement the relevant part of a communication strategy. The overall implementation of the prepared communication strategy will be coordinated by a project's communication manager. The implementation of communication strategy will be monitored, continuously evaluated for meeting the defined goals and needs using the predefined criteria, and adjusted if necessary for greater effectiveness.

442/500

Will the management of the project's communication be externalised?

No

C.7 Horizontal principles

Please indicate to which extent the project contributes to EU horizontal principles, and justify your choice.

Sustainable development

Type of contribution

Positive

Description of the contribution

The project will have a positive effect on implementation of EU's strategy on sustainable development as project directly addresses sustainable growth and the issue of SMEs competitiveness and job creation within SMEs in developing regional green H2 economies, known for their major role in achievement of the European Green Deal and some UN SDGs. The partners will contribute to sustainability by organising online and hybrid meetings and distance learning were possible and using sustainable forms of transport. Also, project physical meetings are planned together with series of (inter)regional learning activities to diminish the travel frequency. The project materials and publications will be digital to save paper.

721/1000

Equal opportunities and non-discrimination

Type of contribution

Neutral

Description of the contribution

The project in its actions and communications will promote equal opportunities and prevent any discrimination based on sex, racial or ethnic origin, religion or belief, disability, age, or sexual orientation at every stage of its implementation. The partners, when working on improvement of policy instruments, will consider the needs of the various target groups at risk of such discrimination and in particular the requirement of ensuring accessibility to persons with disabilities enshrined in the United Nations Convention on the Rights of Persons with Disabilities.

570/1000

Equality between men and women

Type of contribution

Positive

Description of the contribution

The project in its actions and communications will promote equality between women and men and prevent any discrimination based on gender at all stages of its implementation. The partners, when

working on improvement of policy instruments and engaging with stakeholders, will consider the principle of gender equality and will strive to prevent any discrimination based on gender.

379/1000

C.8 Project management

C.8.1 Overall management

Please describe how the overall management will be ensured? Which body will make strategic project decisions and according to which rule? What will be the composition of this body? If relevant, how will the responsibilities be shared among the partners?

The project will be managed following established procedures for decision-making and coordination.

The Advisory Leading Partner (ALP) has overall responsibility for coordination and managing of the project, including internal and external communication, dissemination, and financial control. All partners are experienced in the project management and have participated in the European projects before. The ALP appoints Project Coordinator (PC), Financial Manager (FM), and the Communication Manager (CM). The ALP prepares Partnership Agreements that define partners' responsibilities, obligations, financial and reporting management and other rules for project implementation.

The Steering Committee (SC), composed of representatives from all partners and chaired by the PC, is the main decision-making body that will monitor implementation of the project, including the budgetary spending, and provide guidance on, e.g., reviewing and approving work plans and reports, or agreeing on any changes to the project. The SC will meet twice a year to discuss the progress, based on the output and result indicators pre-defined at programme level. The decisions will be taken by consensus and the principle of a majority will be included in the partnership agreement. At an initial stage, the ALP will be entirely responsible for preparing the materials to be used in the SC meetings.

The ALP is responsible for dividing tasks among the partners and ensures that these tasks are subsequently fulfilled in compliance with the Subsidy Contract. The ALP ensures an efficient internal management and control system in line with the European regulations. The ALP receives and transfers payments to the partners without delay and in compliance with the amounts stated in the progress report.

Each partner, responsible for regional project management, appoints a local project coordinator, a communication manager, and a financial manager. Partners respect the public procurement rules.

1979/2000

C.8.2 Day-to-day coordination

Please describe how the day-to-day coordination will be ensured.

The Project Coordinator (PC), together with the Financial Manager (FM) and the Communication Manager (CM), is responsible for day-to-day coordination and is a driving force in the partnership. The PC is the key contact person for the Joint Secretariat. The FM is responsible for the accounts, financial reporting, the internal handling of ERDF funds and national contributions (see more below). The CM is responsible for development and implementation of the communication strategy and plan. The CM ensures that all partners agree to the communication strategy, including task allocation and timing, and is responsible for periodically reviewing whether the strategy is reaching its objectives and the plan is still adequate. The CM manages project's website and social media, develops content, prepares press releases. The CM works closely with the PC to deliver project results.

880/1000

Will the project coordination be externalised?

No



C.8.3 Financial management and reporting

Please describe how the financial management and reporting procedures will be ensured.

The Financial Manager (FM) is responsible for the accounts, financial reporting, the internal handling of ERDF funds and national contributions. The FM works closely with the CP, the controller, and the partners in order to ensure the efficient financial management. The FM is familiar with accounting rules, international transactions, EU and national legislation for the management of ERDF, public procurement, and financial control. The FM will work in close contact with the controllers and partners supervising the budget management. Each partner will undergo a first level control according to the national requirements and provide to FM a certified expenses' report. FM prepares interim financial reports and submits them to the Joint Secretariat within the deadlines. After approval of the report and receiving the ERDF funding, the ALP transfers the funds to partners.

877/1000

Will the financial management be externalised?

No



D Main policy instruments addressed

Overview main policy instruments addressed

Number	1	Name of the policy instrument	European Funds for Podkarpackie 2021-2027	
Name of the policy responsible authority	Podkarpackie Region	Involvement of the policy responsible authority	Partner	
Investment for Jobs and Growth programme	Yes	Country	Poland (Polska)	
Number	2	Name of the policy instrument	Operational Programme: 'Centro' 2021-2027	
Name of the policy responsible authority	Centro Regional Coordination and Development Commission	Involvement of the policy responsible authority	Associated Policy Authority	
Investment for Jobs and Growth programme	Yes	Country	Portugal (Portugal)	
Number	3	Name of the policy instrument	Mallorca Circular Next Generation / Mallorca Reacciona, Plan de Reactivación Económica y Social de Mallorca	
Name of the policy responsible authority	Mallorca Island Council	Involvement of the policy responsible authority	Partner	
Investment for Jobs and Growth programme	No	Country	Spain (España)	
Number	4	Name of the policy instrument	Regional Hydrogen Plan ex law n. 34/2019	
Name of the policy responsible authority	Puglia Region	Involvement of the policy responsible authority	Partner	
Investment for Jobs and Growth programme	No	Country	Italy (Italia)	
Number	5	Name of the policy instrument	Regional Utvecklingsstrategin (RUS) 2020–2030 / Regional Development Strategy (RUS) Vasterbotten - RUS 2020-2030	
Name of the policy responsible authority	Region Västerbotten (Region Västerbotten)	Involvement of the policy responsible authority	Partner	
Investment for Jobs and Growth programme	No	Country	Sweden (Sverige)	
Number	6	Name of the policy instrument	Programme ERDF 2021-2027 North Netherlands	

Name of the policy responsible authority		Province of Fryslân	Involvement of the policy responsible authority		Partner
Investment for Jobs and Growth programme		Yes	Country		Netherlands (Nederland)
Number	7	Name of the policy instrument		Regional Utvecklingsstrategi för Västernorrland 2020-2030 / Regional Development Strategy for Västernorrland 2020-2030	
Name of the policy responsible authority		Region Västernorrland	Involvement of the policy responsible authority		Associated Policy Authority
Investment for Jobs and Growth programme		No	Country		Sweden (Sverige)

Overview pilot actions

No pilot actions found.

D.1 Policy instrument 1

D.1.1 Territorial context and general description

D.1.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

On May 18, 2021 a Letter of Intent was signed for the creation of the Hydrogen Valley in Podkarpackie. The stakeholders declared conducting observation, investment and implementation works focused on the use of hydrogen, as well as the exchange of information and experiences on hydrogen technologies. On 4.11.21 there was a founding meeting of the Podkarpacka Hydrogen Valley Association, of which the voivodship is a supporting member.

o meet the needs of the economy the Voivodeship has indicated hydrogen technologies in the provisions of Podkarpackie Development Strategy 2030, Regional Innovation Strategy of Podkarpackie Voivodeship for smart specialization (RIS3).

However, competitiveness of SMEs in the region is low, the number of SMEs per 1000 inhabitants is decreasing (in 2020 from 42.8 to 41.7). The voivodeship needs a new impulse for the enterprise development, especially in relation to the regional ambition to establish local green H2 economy. The Podkarpackie Voivodeship aims to address sustainable growth, SMEs competitiveness and jobs creation within SMEs by:

- creating a business and technological environment,
- supporting business activities,
- conducting scientific and research works,
- undertaking activities to create optimal conditions for conducting economic activity in the framework of the hydrogen economy,
- organizing and participating in a dialogue between stakeholders interested in activities in the field of hydrogen economy.

1468/1500

D.1.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

European Funds for Podkarpackie 2021-2027

41/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

Yes

Please indicate the geographical scope of this instrument

Regional

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Partner

Please select the authority responsible for this policy instrument.

PP04 Podkarpackie Region

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

European Funds for Podkarpackie 2021-2027 (EFP) is a key document defining the strategy for the use of EU Funds in the Podkarpackie Voivodeship. EFP is one of the tools for implementing the Development Strategy for the Podkarpackie Voivodeship 2030. The thematic scope and logic of the EFP intervention are determined, inter alia, by provisions of the policy objectives in the field of: competitive and digital economy, environmental and energy security, health security and social sensitivity, education, social capital, economy, labor market, tourist offer, mobility and communication, which, by operationalizing the provisions of the Development Strategy for the Podkarpackie Voivodeship 2030, define the manner of implementation of development policies Of the Podkarpackie Voivodeship. It is necessary to create appropriate conditions for their development in the Podkarpackie Voivodeship, by changing the FEP 2021-2027 policy under: Priority 1. Competitive and digital economy, Specific objective: Strengthening sustainable the growth and competitiveness of SMEs and job creation in SMEs, including through productive investment. Objective: Increasing the competitiveness and innovation of SMEs.

It is planned to increase the competitiveness of SMEs through, inter alia, building, increasing the efficiency and production / service capabilities, implementing innovations aimed at producing innovative products, services and new solutions in the field of hydrogen economy.

1476/1500

D.1.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

No



0/1500

Change in the management of the instrument

Yes



The project will have an impact on the European Funds for Podkarpackie 2021-2027 instrument, by using the learning process and drawing on the best experiences in order to translate them into the Podkarpacie Region and improve efficiency in the region.

It is planned to improve the selected policy instrument by providing greater support to SMEs for the development of services and / or products that are part of the hydrogen-based economy. So that the supported SMEs can secure a strong position in the hydrogen sector.

Based on new aspects, fresh ideas and solutions resulting from the experience gained with / from other partners, we will adapt and improve the existing instrument of regional policy supporting growth, competitiveness of SMEs and job creation, so that it is effective and relevant to the developing new reality economic - regional green hydrogen economy.

It is expected that the improvement of the policy instrument will consist in a change in the management of the instrument through new methods of evaluation of applications or changes in the project selection system in order to promote the most innovative and perspective projects, the implementation of which will contribute to the development of the Podkarpackie Voivodeship potential and building a competitive advantage in the area of the hydrogen economy.

1335/1500

Revision of the instrument itself

No



0/1500

D.1.2 Partner(s) addressing policy instrument 1

Partner

PP04 Podkarpackie Region

What are the partner's competences and experiences in the issue addressed by the project?

Podkarpackie Region is the Managing Authority for European Funds for Podkarpacie for 2021-2027. On behalf of the Podkarpackie Region, tasks under the project will be carried out by the Department of Regional Economy in the Marshal's Office of the Podkarpackie Voivodeship, who actively participated in the process of creating the Podkarpackie Hydrogen Valley Association, including signing a letter of intent to create the Association. Department is also substantially involved in activities carried out by the Podkarpackie Voivodeship as a supporting member of the the Podkarpackie Hydrogen Valley Association. Also, the department implements activities that support the implementation of the Podkarpackie Voivodeship Development Strategy 2030 and the Regional Innovation Strategy of the Podkarpackie Voivodeship for 2021-2027.

828/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

The project will allow the Voivodeship to improve the policy instrument, which will affect the growth and improvement of the competitiveness of SMEs, as well as the project will affect the implementation of innovative solutions that will aim at the intensive development of hydrogen technologies in the region.

The added value of the project will be the established international contacts and the opportunity to check how the hydrogen economy is developed in other regions, which will undoubtedly contribute to the development of the Podkarpacka Hydrogen Valley Association operating in the Podkarpackie Voivodeship. Stakeholders from the hydrogen economy sector will be able to draw on solutions and experiences provided during study visits and workshops, in order to implement them as part of their activities to modernize solutions used in this field.

854/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

The Voivodeship plans to apply for funds as a partner in the project "Using satellite data in local and regional administration tasks in order to improve the services provided and increase the quality of life of residents", the main goal of which will be to introduce the possibility of using the tools necessary to process satellite data for the implementation of public tasks.

Thanks to participation in the Program, the Voivodeship will use the potential to implement the assumptions of the Voivodeship Development Strategy and the Regional Innovation Strategy in the field of hydrogen economy and satellite technologies. Prospects for the development of the regional economy in the above-mentioned sectors depend on their level of innovation, therefore the possibility of cooperation and exchange of knowledge and experience in the international arena with partners with developed hydrogen infrastructure and advanced satellite technologies will play a significant role.

975/1000

D.1.3 Stakeholder group relevant for policy instrument 1

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 10 entries.

Polenergia CHP Plant Nowa Sarzyna

33/300

Polenergia

10/300

Hydrogen Poland

15/300

Cerel in Boguchwała

19/300

ML System

9/300

Rzeszów University of Technology in Rzeszów

43/300

The Podkarpackie Hydrogen Valley Association

44/300

Autosan

7/300

Association of the Aviation Industry Entrepreneurs Group "Aviation Valley"

74/300

Fibrain

7/300

D.1.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



D.2 Policy instrument 2

D.2.1 Territorial context and general description

D.2.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

The Centro Region of Portugal, of which the Médio Tejo sub-region is a part and the project partner CIMT has competence. Hydrogen has been identified in Portugal as a critical priority area for achieving the European Green Deal's objectives. The project aims to develop public authorities capacities in addressing sustainable growth and SME competitiveness by unlocking the potentials of regional hydrogen economies. The Médio Tejo sub-region understands the importance of hydrogen in decarbonizing various sectors of the economy, particularly industry, transportation, and construction. The HyTagus Valley project, financed under the H2020 Program, developed the concept for creation of a regional value chain for hydrogen and the promotion of the integrated use of fuel cell and hydrogen technologies (FCH) in various sectors in the Médio Tejo region. The Hydrogen agenda for the Médio Tejo region consists in: 1) capacity-building initiatives concerning green hydrogen 2) Agenda with regional structural actions (proposed projects) and the development of a cluster for the production of systems based on the hydrogen technologies; and the implementation of energy storage logistics. 3) Promotional and dissemination actions on green hydrogen within the region. The deployment of the policy instruments addressed by this project should contribute to the realization of the actions foreseen in the agenda, among others, for the development of the green hydrogen economy in the Médio Tejo region.

1497/1500

D.2.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

Operational Programme: 'Centro' 2021-2027

41/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

Yes

Please indicate the geographical scope of this instrument

Regional

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Associated Policy Authority

Please select the authority responsible for this policy instrument.

Centro Regional Coordination and Development Commission

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

There are five top priorities for Portugal2030, the partnership agreement between Portugal and the EC for the application of the European structural and investment funds: to become smarter (through digital innovation, industrial transition, SMEs competitiveness, and entrepreneurship); greener (addressing the climate crisis, progressing from a carbon based industry towards a more circular economy approach and sustainable production); more connected (using strategical transportation, communication and digital transition); more social (supporting education, equal access to health services, social

approach, and sustainable production), more connected (using strategic transportation, communication and digital transition), more social (supporting education, equal access to health services, social inclusion, etc); and closer to its citizens (improving regional and local development, sustainable urban development, promoting social and territorial cohesion, all centred in the citizen's needs). All these five pillars are important and will be addressed in the regional Operational Programme: 'Centro' 2021-2027, with special attention given to smart, green and closer to citizens' policies. The regional operational programme financed essentially by ERDF and ESF, will include the territorial dimension of public politics, including also the Territorial Plans for Just Transition financed through the Just Transition Fund. Decarbonisation and the transition towards green and renewable energy is envisioned in the regional strategy of the Centro region RIS3 2021-2027, being green hydrogen specifically mentioned in the referred document.

1444/1500

D.2.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

Yes



1. Making the content of the respective policy instruments more relevant to allow the development of the green hydrogen economy in the Médio Tejo region;
2. Optimizing the governance of the respective policy instruments;
3. Improving the implementation of the respective policy instruments.

292/1500

Change in the management of the instrument

Yes



1. Making the content of the respective policy instruments more relevant to allow the development of the green hydrogen economy in the Médio Tejo region;
2. Optimizing the governance of the respective policy instruments;
3. Improving the implementation of the respective policy instruments.

292/1500

Revision of the instrument itself

No



0/1500

D.2.2 Partner(s) addressing policy instrument 2

Partner

PP06 Inter-Municipal Community of Médio Tejo

What is the policy relevance of this partner (the link to the authority responsible for the policy instrument addressed and its capacity to influence this instrument)?

CIMT is a regional public body in charge of the promotion of the balanced and sustainable development of the Médio Tejo sub-region, in support to the 13 local municipalities of the territory under its competence. CIMT identifies the Médio Tejo regional strategy in terms of the structural development objectives. The strategy feeds into the process of the elaboration of the content of the regional operational programmes (including the Operational Programme: 'Centro' 2021-2027, currently in process). CIMT also has a role in the implementation of the regional operational programme (e.g. manages applications for funding and follows project implementation of the projects in the Médio Tejo sub-region in coordination with CCDR-C - regional authority in charge of the regional operational programme).

802/1000

What are the partner's competences and experiences in the issue addressed by the project?

CIMT has elaborated a document called "Hydrogen – proposals for an action plan 2020-2030" for the Médio Tejo region and is heavily involved in the development of the green hydrogen economy in Médio Tejo. CIMT has elaborated the Hydrogen agenda for the Médio Tejo region together with key stakeholders. It consists in: 1) capacity-building initiatives concerning green hydrogen 2) Agenda with regional structural actions (proposed projects) and the development of a cluster for the production of systems based on the hydrogen technologies; and the implementation of energy storage logistics. 3) Promotional and dissemination actions on green hydrogen within the region. CIMT participated in the European Week of Hydrogen and is also a partner of the Forum for Mobility Solutions based on Hydrogen. CIMT has been recognized as a pioneer region regarding the Hydrogen matter.

874/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

CIMT will provide project partners insights into the aspects of the conception, governance and implementation of the addressed Portuguese policy instruments, and will benefit from the knowledge shared by the other partners on their policy experience in their regional contexts.

277/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

Not applicable

14/1000

D.2.3 Stakeholder group relevant for policy instrument 2

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 7 entries.

CCDR-C (Centro Regional Coordination and Development Commission)

64/300

Agência Regional de Energia e Ambiente

38/300

Instituto Politécnico de Tomar

30/300

Instituto Politécnico de Portalegre

35/300

Irradiare

9/300

Associação Portuguesa para a Promoção do Hidrogénio

51/300

Municipalities included in the CIMT: municipalities of Abrantes, Alcanena, Constância, Entroncamento, Ferreira do Zêzere, Mação, Ourém, Sardoal, Sertã, Tomar, Torres Novas, Vila de Rei e Vila Nova da Barquinha.

210/300

D.2.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



D.3 Policy instrument 3

D.3.1 Territorial context and general description

D.3.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

Mallorca is the biggest Spain's island of the Balearic Archipelago in the Mediterranean Sea. Its economy is based on tourism. In 2019, it was one of the most visited regions worldwide, with more than 16 million tourists. COVID19 pandemic revealed a vulnerability of an economic system based only on tourism: employment and a number of active SMEs fell sharply in Mallorca. To avoid further generalised crisis, regional stakeholders addressed several initiatives with the aim to transform the island of Mallorca in a sustainable island with a diversified and circular economy. Mallorca Island Council (CIM) launched a strategic plan "Mallorca Circular Next Generation" where there are specific lines and projects to support the SMEs based on the pillars of the ecologic transition, digital transformation, and inclusive society. While several actions have already been developed, the lines related to the ecologic transition are still at beginning. In fact, project number 5 "Circular Hydrogen" requires a radical change of mindset about green energies together with strong investment in hydrogen infrastructures. Mallorca will be a hydrogen valley thanks to the building of several hydrogen power plants. One of the main challenges is to enhance the distribution of hydrogen, now limited to specific initial pilot projects, to the other sectors of the society and enterprises. CIM aspires to facilitate the uptake of knowledge and competences by the SMEs in relation to the green hydrogen economy.

1497/1500

D.3.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

Mallorca Circular Next Generation / Mallorca Reacciona, Plan de Reactivación Económica y Social de Mallorca

107/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

No

Please indicate the geographical scope of this instrument

Local

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Partner

Please select the authority responsible for this policy instrument.

PP07 Mallorca Island Council

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

Objective: Mallorca Circular Next generation provides a roadmap for Mallorca to become a sustainable island while contributing to the development of the SMEs.
 Characteristics: Mallorca Circular Next generation aims to improve the economic, energy, workforce and entrepreneurship context, with the development of 24 specific projects related to SDG, including programs like: a) Circular Hydrogen, with our own production of hydrogen on the island; b) Circular Towns, promoting energy efficiency and green consumption; c) Circular Tourism, reducing the carbon footprint with a more sustainable transport; d) Agroecology, looking for a non-dependence of energy through RDI; e) Sustainable Tourism, promoting a low-impact tourism sector.

footprint with a more sustainable transport, d) Agroecology, looking for a non-dependence on energy, through R&I, e) Sustainable tourism, promoting a low-impact tourism sector. All these programs are interlinked and related to the production and distribution of green energies, including green hydrogen around the island. The integration of hydrogen as a fuel source on the island is one of the bases for providing an energy alternative. It is foreseen that the current waste treatment plant will provide in the near future electricity from plastic recycle burning process and it will be used inside the same factory. The participation in the INTERREG program is essential to capture the knowledge and gather inputs from other initiatives that are also working on hydrogen development, accelerating collaborative learning practices and promote change based on knowledge.

1432/1500

D.3.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

No



0/1500

Change in the management of the instrument

No



0/1500

Revision of the instrument itself

Yes



Learning activities (S1a)

CIM aims to try out policies for SMEs competitiveness. CIM will be able to receive essential information on the behaviour of SMEs in other countries thanks to the inter-country learning activities. This information will help CIM and other local actors to harmonise their policies providing a better service to the island SMEs.

Exchange of experience (S1b)

CIM will be able to benefit from the exchange of experiences and practices with other partners in addressing the changes of the current strategic plan Mallorca Circular Next Generation to improve the opportunity for SMEs to be active participants in the developing regional green hydrogen economy and in the creation of new jobs.

Meetings with the stakeholder group (S1c)

CIM will organise frequent meetings to gather the points of view of the stakeholder group. CIM will then share this information within the interregional cooperation activities together with other partners. CIM will also share the lessons learnt from the interregional cooperation activities with the stakeholders to align its strategic policy instruments and to optimise capacitation related to the hydrogen economy for SMEs.

Pilot action (S1d) The intention is to ask a pilot action before a midterm review.

Follow-up phase

The expected results of the Mallorca Circular Next Generation plan will be monitored. It is expected that these changes will lead to an increase of the number of Mallorca SMEs working on the hydrogen

economic sector.

1495/1500

D.3.2 Partner(s) addressing policy instrument 3

Partner

PP07 Mallorca Island Council

What are the partner's competences and experiences in the issue addressed by the project?

CIM has implemented different initiatives to support SMEs:

1. Mallorca Circular Next Generation strategic plan, which includes the Circular Hydrogen project. Its mission is two folded: a) implement the circular economy based on re-use and profit of garbage materials; b) promoting and sharing the knowledge of green energies.
2. Mallorca Activa, a platform aimed at the municipalities of Mallorca (less than 20,000 inhabitants) to promote the activation and development of the productive sector
3. Mallorca Rural (CSO), to revitalize the rural areas of Mallorca through the UE LEADER Initiative.
4. Mallorca Reacciona, a Plan for the Economic and Social Reactivation of Mallorca.

CIM will offer guidance and a pool of tools to help SMEs within the green transition. It is the first stage of learning about the green economy and hydrogen energy. In this sense, it must acquire the useful competence to address the appropriate policy mechanism to facilitate the growth of SMEs.

975/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

The project cooperation is a perfect opportunity for CIM to collaborate with other European countries to promote sustainable development, exchange experience and acquire processes, protocols and skills to address the challenge of SMEs competitiveness in transition to a green hydrogen economy.

The interregional learning will enable CIM to provide better public services of a supra-municipal nature; to better promote sustainable socio-economic development and planning in the island territory, in line with the competences of other public administrations (Govern of Illes Balears, the Spanish State); provide a better assistance as well as legal, economic, and technical support to municipalities, especially to those with less economic and management capacity; to develop tighter cooperation with local stakeholders, including update on missions of the strategic plan regarding the needs of citizen and enterprises.

918/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

Not applicable

14/1000

D.3.3 Stakeholder group relevant for policy instrument 3

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 10 entries.

CIM Department of Sustainability and Environment

48/300

CIM Department of Tourism

25/300

CIM Department of Presidency

28/300

University of the Balearic Islands

34/300

General Directorate of Energy and Climate Change of the Balearic Government

75/300

Balearic Institute of Energy

28/300

Mallorca Chambre of Commerce

28/300

Mallorca Tourism Foundation

27/300

Climate change and atmosphere Service of the Government of Balearic Islands

75/300

CIM Department of Economic Development

38/300

D.3.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



D.4 Policy instrument 4

D.4.1 Territorial context and general description

D.4.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

The Region promotes and supports a hydrogen-based economy through its policies (Law. 34/2019, Regional Hydrogen Plan) fostering the local demand and supply of hydrogen from renewable sources. It boosts and encourages forms of aggregation between all the actors of the hydrogen value chain for supporting the hydrogen valley development. Although a regional policy framework has been defined, there are still challenges that affect SMEs competitiveness and jobs market in the region, such as:

- de-risk hydrogen production: availability and affordability of renewable electricity and renewable hydrogen that involves the increase of renewable energy sources, including for electrolysis manufacturing capacities;
- stimulation of hydrogen use is key to create a market and provide visibility on the expected uptake by the industry, the mobility, and the building sectors, in a context where they face additional operational expenditures generated by the too high costs of hydrogen, including deployment of hydrogen when used in the energy sector for power generation;
- the availability and readiness of transport infrastructure and sufficient storage capacities are also critical points that should be addressed to prepare the timely connection between the production and demand centres and unleash the potential that hydrogen can play in the energy sector in terms of decarbonization, flexibility and security of supply;
- consumer protection and engagement in renewable and low-carbon gas market.

1497/1500

D.4.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

Regional Hydrogen Plan ex law n. 34/2019

40/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

No

Please indicate the geographical scope of this instrument

Regional

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Partner

Please select the authority responsible for this policy instrument.

PP03 Puglia Region

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

The main objective of this regional regulatory framework is the creation of the adequate conditions to stimulate and make viable the roll out of renewable and low carbon hydrogen production, distribution

The main objective of this regional regulatory framework is the creation of the adequate conditions to stimulate and make viable the roll out of renewable and low carbon hydrogen production, distribution and take up at large scale, with a view to shift away from fossil fuels, create a clean hydrogen market contributing to growth and jobs, and reducing greenhouse gas emissions.

The Region adopted supportive measures aiming to:

- support the research of hydrogen production technologies;
- encourage the production of hydrogen from renewable sources, including production of fuels and advanced fuels for the transport sector;
- promote the implementation of hydrogen-powered cogeneration plants for the production of electricity and heat for buildings, both public and private;
- boost hydrogen production through the use of electricity generated from renewable energy sources and support the establishment of productive activities based on the hydrogen cycle, providing to grant economic support to public entities, private individuals and company;
- facilitate the establishment of energy poles for research, production, dissemination and technology transfer to the productive realities of techniques based on the production and use of hydrogen;
- foster the development of interdepartmental and interinstitutional cooperation and partnership with other regions and EU countries, for the definition and implementation of policies, common strategies and actions developing the hydrogen economy.

1497/1500

D.4.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

Yes



Thanks to the exchange of experiences and practices, learning from successful cases shared with the project partners, and a better involvement of stakeholders, the policy instrument can be improved by defining concrete actions and/or mitigation measures to be adopted to remove most relevant barriers (administrative and regulatory issues, market and end use, supply chain, technologies) supporting the creation of a competitive hydrogen economy, able to face growing international competition. The involvement of stakeholders in discussing and preparing the improvements will be regarded as the key condition for successful adjustment of the policy instrument.

664/1500

Change in the management of the instrument

Yes



Thanks to the exchange of experiences and practices, learning from successful cases shared with the project partners, and a better involvement of stakeholders, the policy instrument can be improved by defining concrete actions and/or mitigation measures to be adopted to remove most relevant barriers (administrative and regulatory issues, market and end use, supply chain, technologies) supporting the creation of a competitive hydrogen economy, able to face growing international competition.

497/1500

Revision of the instrument itself

Yes



Thanks to the exchange of experiences and practices, learning from successful cases shared with the project partners, and a better involvement of stakeholders, the policy instrument can be improved by defining concrete actions and/or mitigation measures to be adopted to remove most relevant barriers (administrative and regulatory issues, market and end use, supply chain, technologies) supporting the creation of a competitive hydrogen economy, able to face growing international competition.

497/1500

D.4.2 Partner(s) addressing policy instrument 4

Partner

PP03 Puglia Region

What are the partner's competences and experiences in the issue addressed by the project?

The partner is the main policy authority addressing the regional development issues of sustainable growth, SMEs competitiveness and job creation within SMEs in the fast-developing regional green H2 economies. The Puglia Region is committed in pursuing the growth of a local green Hydrogen economy by bringing together all the actors of hydrogen value chain, paying attention to a strong involvement of SMEs. SMEs are crucial for local economic development, having an important role in job creation, growth, sustainability, social cohesion, and spread of innovations. In accordance with law n.34/2019, the Regione Puglia is committed to developing a "Regional Hydrogen Ecosystem" through two different actions, one to stimulate supply and one to stimulate demand for green hydrogen, whereas a special attention is to the enhancement of sustainable growth, competitiveness of SMEs and jobs creation within SMEs.

910/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

A key benefit comes from the interregional learning process as it will help the Region and its administrative staff in defining challenges more concretely and to find the right tools to solve them, including a better involvement of regional stakeholders. The cooperation will enhance the regional capacities and enable our territory to learn from the others, tapping into methods and solutions on green Hydrogen economy that are developed or applied elsewhere in the partners regions. The lessons learnt will lead to a better quality and faster policy improvements of regional policies and a more sustainable economic, social and environmental impact.

651/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

no

2/1000

D.4.2 Partner(s) addressing policy instrument 4

Partner

PP05 DiTNE (Italian National Energy Technological Cluster)

What is the policy relevance of this partner (the link to the authority responsible for the policy instrument addressed and its capacity to influence this instrument)?

DiTNE is member of the regional technical committee with the task of making effective and accelerate the process of decarbonisation towards an eco-sustainable model based on the hydrogen value chain. The policy instrument addressed provides for the establishment of the Regional Hydrogen Observatory which carries out activities such as monitoring and analysing data concerning the local hydrogen value chain as well as supporting the definition of regional planning to link the initiatives promoted and encourage more effectively the hydrogen economy produced from renewable sources. The Cluster will take part to the Observatory activities acting as orchestrator among research and industry bringing together all the actors of hydrogen value chain. Due to its nature the DiTNE is also able to identify the obstacles to the investment projects and raise awareness of regional decision makers of what needs to be addressed in this starting phase to facilitate the roll out and scale up of hydrogen

997/1000

What are the partner's competences and experiences in the issue addressed by the project?

DiTNE supports through scientific and technological excellence the attractiveness of productive investments in the field of Energy and Environment. It enables and coordinates structured networks between the main public and private subjects operating in industrial research, training, and technology transfer, linking the measures promoted at central and regional level enhancing sustainable growth and supporting regional competitiveness. The Cluster, working with its research and industry partners, is involved in building up concrete and viable investment projects along the complete hydrogen value chain, supporting the construction of the Apulia Green Hydrogen Valley with a view to shift away from fossil fuels, create a clean hydrogen market contributing to growth and jobs, and reducing greenhouse gas emissions. It also coordinates, together with the Region Puglia, the Municipality and the Province of Brindisi, the Centre for Decarbonisation and Environmental Sustainability.

987/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

An essential benefit from cooperation will be learning by sharing of experiences and good practices with other project partners that have already developed concrete operative green Hydrogen economy. Also, learning about better and more effective involvement of stakeholders. The partner is convinced that it will benefit from interregional learning activities, especially concerning the involvement of SMEs in the developing regional green hydrogen economy. Interregional teamwork will enable the partner to build on the experience, successful approaches of other regions, in finding efficient solutions to common challenges concerning how enhance the SME awareness on the ongoing transformation of an economic system based on clean energy transition and their involvement in the local hydrogen valley development.

815/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

No

2/1000

D.4.3 Stakeholder group relevant for policy instrument 4

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 4 entries.

Apulian Production District of the Mechanics

44/300

CNA (Confederation of Craft Trades and Small and Medium-Sized Enterprises)

74/300

Confindustria (Industrial Association)

38/300

Apulian Production district "La nuova energia"

46/300

D.4.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



D.5 Policy instrument 5

D.5.1 Territorial context and general description

D.5.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

Västerbotten Region experiences a rapid development of regional green H2 economy as a result of greening up of the steel production. The availability of electric power in the form of primarily hydropower is encouraging companies with high energy needs to establish themselves in Västerbotten as part of the global transition to fossil-free energy that the region is undertaking. Such major investments in batteries and hydrogen have great potential to further develop electrification with energy storage technologies, which in the long run will create a cross-boundary energy storage cluster.

However SMEs fail to connect and exploit the opening up opportunities. By the same, the jobs creation within SMEs, especially within regional transformation of energy system, is an important issue. The SMEs have difficulty to develop the necessary innovation capacities, including implementation of innovations and bringing of innovative products and services to the market, in the context of developing regional green H2 economy.

Also, there is a need to create a green transport corridor to the north of Sweden, e.g. by connecting Västernorrland and Västerbotten regions with hydrogen trains, which could contribute to sustainable growth, enhance competitiveness of SMEs as well as jobs creation within SMEs in both sparsely populated regions.

1342/1500

D.5.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

Regional Utvecklingsstrategin (RUS) 2020–2030 /
Regional Development Strategy (RUS) Vasterbotten - RUS 2020-2030

112/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

No

Please indicate the geographical scope of this instrument

Regional

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Partner

Please select the authority responsible for this policy instrument.

PP08 Region Västerbotten (Region Västerbotten)

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

The policy instrument has two overall sustainability goals aimed at the global goals in Agenda 2030:

I) A living place is the community where people want to stay, the place with good conditions for visiting, growing, working and getting old.

II) A circular place handles climate change and creates economic opportunities and greener infrastructures in a way that simultaneously takes care of natural resources and ecosystems.

by A circular place handles climate change and creates economic opportunities and greener infrastructures in a way that simultaneously takes care of natural resources and ecosystems.

The sustainable growth, SMEs competitiveness, and jobs creation within SMEs is addressed in six priorities of the policy instrument that aim at developing an innovative and smart region; enhancing location-based sustainable business development; developing sustainable mobility through investments in sustainable transport systems and digital infrastructure; developing sustainable living environments to live, work and live in; promoting healthy lifestyles, healthy work and business environments as well as safe care and social care; developing skills through collaboration and cooperation, equal participation in working and social life, especially through education and the supply of skills in companies and businesses.

1154/1500

D.5.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

Yes



This policy instrument will be improved through interregional learning and in a close cooperation with relevant stakeholders to include new projects financed by the instrument that will strengthen the regional eco-system for SMEs in the context of rapidly developing green H2 economy.

The new projects will aim at:

- enhancing SMEs competitiveness by supporting development of innovation capacities and improving business processes from idea to its implementation and market, so that SMEs can use the opportunities of developing regional green H2 economy,
- strengthening innovation systems' openness to SMEs,
- stimulating SMEs cooperation with higher education in the field of green H2 economy in order to enhance research and innovation triggering the creation of added-value products and services for SMEs, enhancing the sustainable growth, SME competitiveness, and jobs creation in SMEs,
- establishing cross-boarder cooperation with adjacent regional green H2 economical clusters, e.g. Västernorrland.

A close cooperation with PP09 Ange municipality and Region Västernorrland (Associated Policy Authority) will allow to connect the two developing green H2 clusters through enhancement of organisational capacities in both regions to deal with regional development issue of sustainable growth, SMEs competitiveness, and jobs creation within SMEs.

1353/1500

Change in the management of the instrument

No



0/1500

Revision of the instrument itself

No



0/1500

D.5.2 Partner(s) addressing policy instrument 5

Partner

PP08 Region Västerbotten (Region Västerbotten)

What are the partner's competences and experiences in the issue addressed by the project?

The region of Västerbotten is responsible for the regional development strategy and its implementation. The implemented Innovation Loop, an action-driven bottom-up customized open innovation ecosystem, enhancing RVBs Smart Specialization Strategy (S3), continuously improving governance by structural change. The Innovation Loop improves growth-stimulating cluster interactions to accelerate public sector innovation leadership, involving citizens, researchers, students, entrepreneurs and decision-makers in an interactive public-private-partnership for regional growth. The region of Västerbotten will share experience of working with Innovation Loop as PI coordination and governance mechanism.

698/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

The Region Västerbotten expects to develop organisational capacity for addressing the issue of sustainable growth, insufficient SMEs competitiveness and low number of new jobs through interregional learning and a close cooperation with PP09 Ånge municipality and Region Västernorrland (APA).
The two Swedish regions, based on peculiar specific priorities, expertise and conditions can build a better capacity to influence the PI with a large critical mass of human and financial resources, synergizing projects, activities and investments toward a common roadmap. It will allow to connect the two developing green H2 clusters.
The participation in UNLOCK will have a positive fallout beyond the SMEs in Västerbotten and Västernorrland towards the development of the green hydrogen economy in a wider Northern Sweden perspective. This is also timed to everything that is now taking place in these two regions.

910/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

Participation in this new project will complement the process of interregional exchange already in place with two other ongoing projects: OSIRIS, by expanding the application of open and social innovation in the green H2 economy sector; CARPEDIGEM, by expanding the application of digital innovation ecosystems towards the green H2 economy sector.
Also, the Region Västerbotten will be able to share the knowledge gained in OSIRIS and CARPEDIGEM with this new consortium and by that to enhance the impact of this project.

521/1000

D.5.3 Stakeholder group relevant for policy instrument 5

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 5 entries.

North Sweden Cleantech - a regional innovation and export platform for green technology, clean energy and sustainable solutions.

128/300

Hammarstedt Advice – Expert on strategic development and international contacts on all levels within the public/politic sector.

127/300

RISE - Sweden's research institute and innovation partner: through international collaboration programmes with industry, academia and the public sector, RISE ensures the competitiveness of the Swedish business community

219/300

Storuman Municipality - The municipality is engaged in several projects in the field and will benefit from the interregional exchange generated by project in the green transition in our region.

193/300

Wallrup Communication Communication AB - Expert on process management for policy development and implementation.

112/300

D.5.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



D.6 Policy instrument 6

D.6.1 Territorial context and general description

D.6.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

Fryslân (650.000 inhabitants) is one of the three provinces forming together with provinces Groningen and Drenthe the Northern Netherlands. A predominantly rural area, with Groningen and Leeuwarden being the main urban clusters. The RIS3 strategy for our region has been adopted by the three Northern provinces together. The programme ERDF Northern Netherlands 2021-2027 is developed in line with the RIS3.

A specific task for the region is to discover economic opportunities offered by societal transitions. Within the sustainable energy transition, hydrogen is an opportunity on which the Northern Netherlands has been working for a longer time. Hydrogen has therefore been identified as an economic opportunity in our RIS3. In Fryslân, experience is therefore already being gained with hydrogen in practice. For instance, the first green hydrogen plant in the Netherlands is in Oosterwolde, the first hydrogen filling station in the province is in the pipeline and several Frisian companies are working on (parts of) the electrolysis chain.

In this respect, Fryslân is a true SME province with over 20,000 establishments. This is where the innovation power that contributes to the hydrogen transition is to be found. Our challenge lies in connecting this innovation power of the Frisian SMEs to the hydrogen transition. To unlock this innovation potential of SMEs to connect to major innovations in the field of hydrogen is a main challenge of the region.

1460/1500

D.6.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

Programme ERDF 2021-2027 North Netherlands

42/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

Yes

Please indicate the geographical scope of this instrument

Regional

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Partner

Please select the authority responsible for this policy instrument.

PP02 Province of Fryslân

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

The ERDF North Netherlands (NNL) programme is an innovation programme for regional small and medium-sized regional small and medium-sized enterprises (SMEs), based on the Regional Innovation Strategy for Smart Specialisation (RIS3). NNL is working towards an open and creative climate, where from existing development opportunities and smart specialisations that contribute to a future-proof economy and labour market in NNL, from the perspective of Broad Prosperity. Four transitions that are in line with our regional strengths form the starting point. One of the transitions central is the sustainable energy transition. The core of the RIS3 is to discover and capitalise on new development opportunities within these

regional strengths form the starting point. One of the transitions central is the sustainable energy transition. The core of the RIS3 is to discover and capitalise on new development opportunities within these transitions, thus contributing to a circular, happy and inclusive NNL.

791/1500

D.6.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

Yes



The ERDF programme of the Northern Netherlands has been developed on the basis of the RIS3 North Netherlands. In this overarching innovation strategy, the sustainable energy transition is named as one of the areas in which we, as a region, expect many new innovations. Green hydrogen is a main innovation potential for our region. The challenge named in our ERDF programme is to unlock the innovation potential of our SME and to connect this to hydrogen agenda of the region. Within and outside the province, there is already a lot of knowledge and expertise regarding hydrogen. Several hydrogen projects have already been started and all kinds of parties are involved in different parts of the hydrogen chain. To move hydrogen initiatives and projects forward, it is important to connect these parties to the innovation potential of our SME and to join forces. This with the goal to develop new projects under the ERDF programme.

931/1500

Change in the management of the instrument

No



0/1500

Revision of the instrument itself

No



0/1500

D.6.2 Partner(s) addressing policy instrument 6

Partner

PP02 Province of Fryslân

What are the partner's competences and experiences in the issue addressed by the project?

Together with the provinces of Groningen and Drenthe, the Province of Fryslân forms the regional cooperation of the Northern Netherlands. The Province of Fryslân is directly responsible for the development of the regional innovation strategy and the resulting European programmes, including the ERDF programme. Together with our stakeholders, we develop the ERDF programme and subsequently design the subsidy and financial instruments. The ERDF programme is implemented by our joint management authority, SNN (Northern Netherlands Alliance). The Province of Fryslân has an important orchestrating role in the energy transition within region. Our regional strategy is bottom-up as it is based on close cooperation with a community - 'mienskip' in Frisian. Green hydrogen is an important part of the sustainable energy mix in the region, alongside aqua-thermal energy, with various pilots and examples of the generation and application of green hydrogen innovations.

965/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

By learning with and from other regions through the joint learning activities, we can improve the involvement of the regional SME in the energy transition, enhance the sustainable growth and SME competitiveness in the region and stimulate creation of new jobs within SMEs. The Province of Fryslân hopes to gain new knowledge and enhance the organisational capacity in addressing the regional issues of SMEs competitiveness and sustainable growth, especially with regard to imperfections of energy infrastructure, inability of regional SMEs to connect to major transformations and innovations in the region, and a limited innovation capacity.

641/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

Not in this call, but the province of Fryslân has extensive experience in participating in European projects. In the past period, we have worked on the Interreg Europe projects REPLACE and Islands of Innovation.

211/1000

D.6.3 Stakeholder group relevant for policy instrument 6

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 9 entries.

Energy grid operators (Liander, Tennet, Gasunie)

48/300

Friese Energie Alliantie

24/300

Province of Groningen

21/300

Province of Drente

18/300

Northern Netherlands Alliance (SNN)

35/300

VNO-NCW Noord (The Confederation of Netherlands Industry, Business and Entrepreneurs - North)

93/300

MKB Noord (SMEs network North)

30/300

Circular Friesland Association

30/300

Frisian Municipalities

22/300

D.6.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



D.7 Policy instrument 7

D.7.1 Territorial context and general description

D.7.1.1 Territorial context

What is the state of play of the issue addressed by the project in the territory covered by the policy instrument? Which challenge needs to be overcome in this territory? Please be as specific as possible and provide detailed information on the characteristics of the territory.

Ånge kommun is one of 7 municipalities in the Region Västernorrland that has 240 000 inhabitants. Ånge kommun is a small, rural, inland municipality with only 9 233 inhabitants, but the 29th largest out of 290 municipalities in Sweden with a population density of 3 inhabitants per 1 km². Ånge kommun has no towns and it takes 1h to travel to Ånge by car or train from city Östersund in region Jämtland or Sundsvall in region Västernorrland.

For a long time, industrial development was mainly in cities in Sweden, whereas northern parts and the inland were experiencing stagnation and a severe decrease of inhabitants. Ånge kommun is one of 38 municipalities in Sweden classified as a socio-economically vulnerable. However, recently Ånge kommun experienced the green industry revolution due to production of big amounts of wind energy. The low energy consumption has led to a unique attractiveness for energy intensive industries with a rapid industrialisation as a result. A large scale H2 plant will be opened soon in Ånge kommun, with 20 MW in 2023-2025 and another 100 MW in 2027, and new H2 plants are to come.

Ånge kommun is concerned that local SMEs have difficulty to connect to the new developments in the region. Ånge kommun seeks that zero-waste industrial symbiosis around H2 plant includes SMEs, but is unsure how to make participation attractive for SMEs and to how to ensure efficient acceleration of regional development.

1442/1500

D.7.1.2 General description of the policy instrument

Please name the policy instrument addressed (for Investment for jobs and growth goal programmes, please provide the name of the operational programme concerned).

Regional Utvecklingsstrategi för Västernorrland 2020-2030 / Regional Development Strategy for Västernorrland 2020-2030

118/150

Is this instrument an Investment for jobs and growth goal programme (i.e. national or regional operational programme)?

No

Please indicate the geographical scope of this instrument

Regional

Please select how the authority responsible for this policy instrument is involved in the project:

The authority responsible for this policy instrument is involved as...

Associated Policy Authority

Please select the authority responsible for this policy instrument.

Region Västernorrland

Please describe the main features of this policy instrument (e.g. objective, characteristics, priority or measure addressed).

The regional development strategy (RUS) guides initiatives within the regional development and growth till 2030 by setting a vision, objectives, long term priorities, and general principles for cooperation in implementation. It defines target areas with accompanying priorities and links other regional sub-strategies, such as Regional Innovation Strategy for Smart Specialisation (RIS), to a broader context.

implementation. It defines target areas with accompanying priorities and links other regional sub-strategies, such as Regional Innovation Strategy for Smart Specialisation (RIS), to a broader context, including the SDGs.

RUS, and the sub-strategy RIS, directly addresses the competitiveness of SMEs and jobs creation within the developing regional green H2 economy, especially within the identified target areas of "Renewable energy – power generation, solar, wind hydro and bio energy", "Development and control of complex production and operational systems" and "FoodTech".

Region Västernorrland is responsible for coordinating development, implementation and follow up of RUS and its sub-strategies. The implementation of PI within the context of developing green H2 valley requires not only regional coordination, but also interregional cooperation, in order to boost the SMEs competitiveness. The improved management of the PI at local level, with possibility of an interregional coordination, will allow to enhance participation of SMEs in the developing regional H2 economy as well as increase the competitiveness of SMEs and job creation within the SMEs.

1374/1500

D.7.1.3 Expected policy improvement

What kind of improvement do you envisage for this instrument?

New projects financed by the instrument

No



0/1500

Change in the management of the instrument

Yes



Through learning from experiences in other regions we will be able to improve the management of the policy instrument to be more effective in terms of supporting SMEs around an emerging green hydrogen valley in a sparsely, socio-economic vulnerable area. While financial support is one obvious way of strengthening SMEs competitiveness, little is known about the support needed in the context of developing green H2 economy and how to address it in the most effective way. Among several other important issues, the regional mandate to support SMEs financially has to coexist with several other international financial programs and financial opportunities.

The management of the policy instrument will be improved through better addressing SMEs that face challenges or see opportunities with the emerging green hydrogen sector within our region. This will be made both through evaluating current procedures and processes for financial support, but also through exploring and testing ways to stimulate and encourage entrepreneurship and innovation based on the green hydrogen establishments in the region.

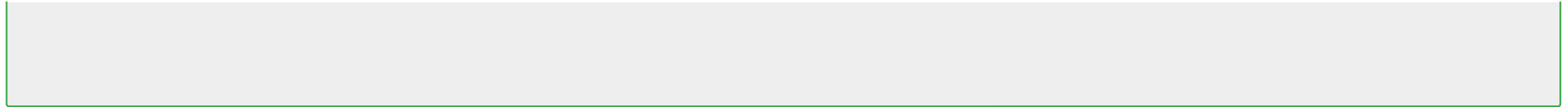
With participation of Region Västernorrland (Associated Policy Authority) and close cooperation with the neighbouring Västerbotten Region that addresses the same issue of lacking SMEs competitiveness in the context of developing regional H2 economy, we aim to improve the management of the policy instrument and develop organisational capacity.

1450/1500

Revision of the instrument itself

No





0/1500

D.7.2 Partner(s) addressing policy instrument 7

Partner

PP09 Ånge municipality

What is the policy relevance of this partner (the link to the authority responsible for the policy instrument addressed and its capacity to influence this instrument)?

The main responsibility of implementing the regional development strategy lies on Region Västernorrland, but the seven municipalities in the region have adopted the strategy which means that we all share this responsibility. Region Västernorrland is the leading partner that have full capacity of influencing the instrument, but without doing so in a cooperative manner with all seven municipalities, the value of changes is uncertain.

The regional development strategy is a rather new instrument for the region, but the process of producing it together with the municipalities led to that the functional collaboration, as described in the strategy, has developed considerably since. This means that even though Ånge kommun is the leading partner in this project, the issues regarding the regional development strategy will be discussed in constellations including all the municipalities in the region.

903/1000

What are the partner's competences and experiences in the issue addressed by the project?

The development of "green H2 valleys" with green H2 industries is new to both Ånge kommun and Region Västernorrland. Ånge kommun faces rapid industrialisation, similarly as Sollefteå kommun, where another H2 plant will be established during the project period. This further strengthens the need of addressing the issues described in this application on a broad, regional collaborative level. Ånge kommun also hosts a high-tech innovative process industry that have comprehensive knowledge of developing the technique for producing green hydrogen.

It is further likely that announcements of new green H2 plants establishments in mid Sweden will continue during the project period. This also brings in a motivation for us (Ånge kommun as a partner and Region Västernorrland as associated policy responsible authority) to widen the stakeholder group to also include at least region Jämtland/Härjedalen and its municipalities west of Västernorrland.

946/1000

How will the partner benefit from the cooperation? In case this partner plays a particular role in the project (e.g., responsible for a specific topic, for communication activities), please also indicate it here.

Ånge kommun and Region Västernorrland will strengthen the ability to implement the regional development strategy, i.e. to reach vision and achieve goals in a more efficient and accelerated manner. As a result of learning and sharing of experience, the new practices can be applied in other municipalities of Region Västernorrland.

Whereas cooperation with Västerbotten region will allow to enhance organisational capacity in addressing the issue of SMEs competitiveness and establish better conditions for participation of SMEs in developing regional green H2 economy. The participation in UNLOCK will have a positive fallout beyond the SMEs in Västerbotten and Västernorrland towards the development of the green H2 economy in a wider Northern Sweden perspective. This is also timed to everything that is now taking place in these two regions.

844/1000

In case the partner is involved in several Interreg Europe applications/ projects, please justify this multiple involvement.

No other involvements.

22/1000

D.7.3 Stakeholder group relevant for policy instrument 7

Please provide an indicative list of the most relevant stakeholders (i.e., name of the organisation concerned) to be involved in the project. It is recommended to have no more than 12 entries.

You have 9 entries.

Företagarna Ånge (local business networks)

42/300

Almi Företagspartner (local business support organisation)

58/300

BizMaker (local business support organisation)

46/300

Other municipalities in Region Västernorrland: Sundsvalls kommun, Timrå kommun, Härnösands kommun, Örnköldsviks kommun, Sollefteå kommun, Kramfors kommun.

155/300

Companies involved in green H2 valleys: RES Renewable Norden AB, BIG Akwa AB, Permascand AB, etc.

98/300

Business Sweden (investment promotion agency that seeks to attract foreign investments to the region)

101/300

High Coast Invest (investment promotion agency that seeks to attract foreign investments to the region)

103/300

Företagarna Västernorrland (local business networks)

52/300

Region Västernorrland

21/300

D.7.4 Pilot action under policy instrument

Is a pilot action proposed to improve this policy instrument?

No



E.1 Core phase (Exchange of experience)

Semester 1 (Core phase)

Exchange of experience

The first SC meeting and the 2-day KickOff with seminars and site visits, hosted by ALP01 in Groningen, will start the project. ALP01 will present three methodologies: (1) for analysis of partner's situation and diagnosis of good practices, (2) for facilitating individual and organisation learning to ensure the effectiveness of planned interregional learning activities, (3) for effective engagement with the groups of relevant stakeholders during project activities and different phases of policy making, including co-creation of policy solutions and governance approaches.

ALP01 will organise three interregional learning events on: (1) socio-economic aspects of energy transition and the role of SMEs in regional economy, (2) development of regional green H2 valleys: opportunities (and risks) for SMEs competitiveness and jobs creation, (3) developing industrial symbiosis: stimulating participation of SMEs in green H2 value chains.

The site visits will showcase SMEs involvement in regional H2 valley: EnTranCe testing ground and start-ups lab, New Energy Academy, and industrial symbiosis in Eemshaven.

The 2-day KickOff will be followed by a 2-day learning activities hosted by PP02 (the Province of Fryslân).

The Site Visits will include learning about experimental facilities and pilots, such as developing industrial symbiosis in Oosterwolde with production of green hydrogen, where sun generated energy is transformed into hydrogen.

The Study Visit will focus on analysis of region's good practices (methodologies, projects, techniques, or governance approaches) addressing the sustainable growth, SMEs competitiveness and jobs creation within SMEs. Two thematic seminars, with contribution of ALP01, will focus on: (1) optimal energy infrastructure for enhancing SMEs competitiveness, and (2) involvement of SMEs in energy transition. During the Interactive Workshop participants will analyse some cases selected from the good practices database on the Interreg Europe programme website and engage with relevant stakeholders in designing future solutions. During the try-out Peer Review partners and stakeholders will practice reviewing of efforts to improve the policy instrument.

Partners will conduct regional activities: establish cooperation with stakeholders' groups (SG) on project by organising 1st SG meetings; apply methodologies provided by ALP01; analyse the lessons learned while engaging with SG, and co-create solutions.

The ALP01 and partners will participate in IE Policy Learning Platform activities.

Interregional learning & outputs:

- 1 event by ALP01: Kick Off, 3 methodology and 3 thematic seminars, 3 site visits
- 1 event by PP02: site visits, 2 thematic seminars, workshop and peer review try-out

2742/3000

Communication

The Communication Manager (CM) develops a work plan for implementation of Communication Strategy and presents in KickOff. On request of CM each partner appoints communication managers. Partners adopt regional communication strategies that specify target groups, communication tools and channels, and planning of activities. CM, together with partners, prepares tailored messages for target groups.

CM liaises with JS and prepares templates for newsletter, press release, report, ppt, and communication kit for project events (Study Visit, Thematic Seminar, Interactive Workshop, Peer Review) – agenda, invitation, list of participants, evaluation.

CM prepares: content for the project website; the 1st video presenting the project; social media accounts with access for each partner; the 1st newsletter & short video; a HQ photo presenting a project.

CM organises communication around KickOff, performs the 1st evaluation of communication efforts.

Partners place JS A3 posters at their premises.

997/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

2

N° of good practices identified

4

Semester 2 (Core phase)

Exchange of experience

Based on experience of interregional learning in Semester 1, the ALP01 will propose, if necessary, improvements for the developed three methodologies on (1) diagnosis of good practices, (2) individual and organisation learning, (3) effective engagement with regional groups of stakeholders.

Partners will continue analysis of regional situation and the identification of good practices (e.g., methodologies, projects, techniques, or governance approaches); organise individual and organisational learning; engage with regional stakeholders using the (updated) methodologies. The results of analyses will be reported using a template provided by CM. Each partner will present and discuss the prepared report with a group of relevant stakeholders.

The Study Visit to Mallorca Island County (Spain), hosted by PP07 (Mallorca Island Council) and will include:

- Site Visits to (1) Lloseta power H2 central with a developing industrial symbiosis and (2) SMEs sharing their experience on connecting to regional innovations in energy and presenting the developed bus and boat powered by H2 (1st day),
- a Thematic Seminar on "Opportunities and challenge of green h2 energy for SMES" (2nd day)
- an Interactive Workshop with sharing experiences on "Smart hysland", Tirme project, Aragon hydrogen valley experience, Catalanian, other domestic experiences, (3rd day)
- and a Peer Review (3rd day), during which participants will reflect on learning process, achieved results and provide feedback to each other on designed policy solutions.

The SC will meet to review and approve work plans /reports; to monitor progress towards the achievement of the project's objectives; to monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR1 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme.

The ALP01 and partners will participate in IE Policy Learning Platform activities, good practices will be uploaded to the IE Learning Platform.

Interregional learning & outputs:

- 1 interregional learning event: site visits Mallorca Island County, 3 interactive seminars
- PR1 to JS

2332/3000

Communication

Communication and dissemination will take place at both the EU level and the regional level. CM will coordinate the overall project communication efforts, including monitoring and evaluation of effectiveness, according to the adopted strategy and planning. CM will share news and project outputs/outcomes, including partners' input, on project's website, social media and IE Policy Learning Platform.

The 2nd newsletter will be produced and shared with stakeholders. The 2nd short video will be made. CM will prepare a news article, press release, blog or vlog and share it through communication channels with tailored messages per target group. Regional CM will translate messages and communicate in the region.

CM will keep record on appearance and mentioning of the UNLOCK project in media and events.

All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts, including organisation of regional stakeholders events.

993/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

N° of good practices identified

6

Semester 3 (Core phase)

Exchange of experience

During the 3rd semester partners will continue analysis of regional situation and the identification of good practices (e.g., methodologies, projects, techniques, or governance approaches); organise individual and organisational learning; engage with regional stakeholders using the (updated) methodologies. The results of analyses will be reported using a template provided by CM. Each partner will present and discuss the prepared report with a group of relevant stakeholders.

The 3-day Study Visit to Podkarpackie Region (Poland), hosted by PP04, will start with Site Visits and meetings with SMEs, start-ups, and innovators:

- 1) Rzeszów University of Technology, a team of researchers studying adaptation of aircraft engines to H2 power (including a showcase of a lab) sharing experience on cooperation with SMEs;
 - 2) start-up "AUTOSUN" in Sanok, sharing experience on connecting to regional H2 economy and showcasing the developed zero-emission hydrogen bus SANCITY 12LFH for urban traffic;
 - 3) start-up "Polenergia" in Nowa Sarzyna, sharing experience about innovation process and showcasing an ongoing project of a small-scale installation for the production of green H2 together with a charging station;
 - 4) start-up "ML System" in Zaczernie, sharing experience of bringing innovation to a market and presenting a prototype of a highly efficient hydrogen electrolyser powered by photovoltaic installations.
- The Thematic Seminar will focus on analysis of current regional policies on SME competitiveness and jobs creation and policies to stimulate SMEs entrepreneurship in a developing regional green H2 economy.

The Interactive Workshop will engage into designing strategies empowering SMEs to make use of opening up opportunities of regional H2 economy and facilitate entrepreneurship for SMEs operating in all areas of energy use, including road/air transport. During a Peer Review participants will reflect on learning process, achieved results and provide feedback to each other on designed policy solutions.

The SC will meet to review and approve work plans /reports; to monitor progress towards the achievement of the project's objectives; to monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR2 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme.

The ALP01 and partners will participate in IE Policy Learning Platform activities.

Interregional learning & outputs:

- 1 interregional learning event by PP04: 4 site visits, 7 interactive seminars
- PR2 to JS

2748/3000

Communication

Communication and dissemination will continue to take place at both the EU level and the regional level. CM will coordinate the overall project communication efforts, including monitoring and evaluation of effectiveness, according to the adopted strategy and planning. CM will share news and project outputs/outcomes, including partners' input, on project's website, social media and IE Policy Learning Platform.

The 3rd newsletter will be made and shared with stakeholders. The 3rd short video will be made. CM will prepare a news article, press release, blog or vlog and share it through communication channels with tailored messages per target group. Regional CM will translate messages and communicate in the region.

CM will keep record on appearance and mentioning of the UNLOCK project in media and events.

All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts, including organisation of regional stakeholders events.

1000/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

1

N° of good practices identified

4

Semester 4 (Core phase)

Exchange of experience

During the 4th semester partners will continue analysis of regional situation and the identification of good practices (e.g., methodologies, projects, techniques, or governance approaches); organise individual and organisational learning; engage with regional stakeholders using the (updated) methodologies. The results of analyses will be reported using a template provided by CM. Each partner will present and discuss the prepared report with a group of relevant stakeholders.

In the 4th semester a Study Visit to Puglia Region (Italy) will take place, hosted by PP03 (Puglia Region) and PP05 (DITNE). The Study Visit will include a Site Visit to a green H2 plant in Brandisi with a developing industrial symbiosis around it. The Thematic Seminars will focus on enhancement of SME competitiveness in the Puglia green H2 Valley and opportunities for sustainable growth, the participation of SMEs in the roll out of green H2 production, transmission, distribution and use across the region, and implications for SME competitiveness and jobs creation within SMEs. This will be followed by an Interactive Workshop during which partners engage with stakeholders in creating solutions for overcoming regulatory hindrances related to the investment projects and participation of SMEs in roll out and scale up of green regional H2 economy. The Study Visit will be concluded with a Peer Review, during which participants will reflect on learning process, achieved results and provide feedback to each other on designed policy solutions.

The SC will meet to review and approve work plans /reports; to monitor progress towards the achievement of the project's objectives; to monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR3 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme.

The ALP01 and partners will participate in IE Policy Learning Platform activities.

Interregional learning & outputs:

- 1 interregional learning event by PP03 and PP05: site visits in Puglia Region and 4 interactive seminars
- PR3 to JS

2281/3000

Communication

Communication and dissemination will continue to take place at both the EU level and the regional level. CM will coordinate the overall project communication efforts, including monitoring and evaluation of effectiveness, according to the adopted strategy and planning. CM will share news and project outputs/outcomes, including partners' input, on project's website, social media and IE Policy Learning Platform.

The 4th newsletter will be made and shared with stakeholders. The 4th short video will be made. CM will prepare a news article, press release, blog or vlog and share it through communication channels with tailored messages per target group. Regional CM will translate messages and communicate in the region.

CM will keep record on appearance and mentioning of the UNLOCK project in media and events.

All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts, including organisation of regional stakeholders events.

1000/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

1

N° of good practices identified

Semester 5 (Core phase)

Exchange of experience

ALP01 and JS will have a mid-term review.

During the 5th semester partners will continue analysis of regional situation and the identification of good practices (e.g., methodologies, projects, techniques, or governance approaches); organise individual and organisational learning; engage with regional stakeholders using the (updated) methodologies. The results of analyses will be reported using a template provided by CM. Each partner will present and discuss the prepared report with a group of relevant stakeholders

A Study Visit to Médio Tejo / Centro (Portugal) will take place, hosted by PP06 (Inter-Municipal Community of Médio Tejo). It will start with a Site Visit to Central do Pego em Abrantes, a power central that produces carbon-based energy and will be converted into a green energy central in the region. During the Thematic Seminars the focus will be on SMEs and Portuguese Roadmap of the Hydrogen Economy and opportunities for SMEs in Médio Tejo Region as key investments in green H2 are on a way. In addition, a Roundtable on the future development of the green H2 sector in Europe and the perspectives for the Médio Tejo region (pros and cons) will be organised. The Interactive Workshop will focus on designing policy approach to connect SMEs to regional energy transformation. During a Peer Review participants will reflect on learning process, achieved results and provide feedback to each other on designed policy solutions.

The SC will meet to review and approve work plans /reports; to monitor progress towards the achievement of the project's objectives; to monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR4 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme.

The ALP01 and partners will participate in IE Policy Learning Platform activities.

Interregional learning & outputs:

- 1 interregional learning event by PP06: a site visit in Médio Tejo / Centro, 5 interactive seminars
- PR4 to JS

2199/3000

Communication

Communication and dissemination will continue to take place at both the EU level and the regional level. CM will coordinate the overall project communication efforts, including monitoring and evaluation of effectiveness, according to the adopted strategy and planning. CM will share news and project outputs/outcomes, including partners' input, on project's website, social media and IE Policy Learning Platform. The 5th newsletter and 5th short video will be made and shared with stakeholders.

CM will prepare a news article, press release, blog or vlog and share it through communication channels with tailored messages per target group. Regional CM will translate messages and communicate in the region.

CM will keep record on appearance and mentioning of the UNLOCK project in media and events.

All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts, including organisation of regional stakeholders events.

987/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

1

N° of good practices identified

1

Semester 6 (Core phase)

Exchange of experience

During the 6th semester partners will continue analysis of regional situation and the identification of good practices (e.g., methodologies, projects, techniques, or governance approaches); organise individual and organisational learning; engage with regional stakeholders using the (updated) methodologies. The results of analyses will be reported using a template provided by CM. Each partner will present and discuss the prepared report with a group of relevant stakeholders.

The Study Visit to Sweden's inland and north - Ånge kommun (PP09) and Region Västerbotten (PP08). Both partners wish to boost competitiveness of SMEs in developing regional green H2 economies, but have different ecosystems of SMEs: of supply and of production.

The Study Visit starts with Site Visits to: (1) zero-waste industrial symbiosis around new H2 plant, (2) a travel by H2 train, operated by SME, from Ånge to Västerbotten. During the H2 train trip, Thematic Seminars and an Interactive Workshop take place, where partners and stakeholders discuss the policy challenge of connecting SMEs to regional energy system innovations, opportunities for SMEs in regions with increasing wind power generation and green H2 production, and co-design policy solutions for making participation in green H2 economy more commercially attractive for SMEs.

Upon arrival to Västerbotten, participants visit: (3) North Sweden Cleantech in Umeå, (4) Skellefteå and (5) Örnsköldsvik to learn how to provide support for start-ups and SMEs enter the international market on green energy, and (6) RISE, Sweden's research and innovation institute, where Thematic Seminars and an Interactive Workshops will take place on how to: strengthen the business sector's competitiveness in the field of green energy, promote public sector renewal, engage with the business community in addressing society's challenges, and SMEs friendly solutions for Greener Transformation under the Green Deal Paradigm. During a Peer Review participants will reflect on learning process and discuss the designed policy solutions.

The SC will review and approve work plans /reports; monitor progress towards the achievement of the project's objectives; monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR5 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme.

The ALP01 and partners will participate in IE Policy Learning Platform activities.

Interregional learning & outputs:

- 1 event by PP09: 2 site visits, interactive seminars
- 1 event by PP08: 4 site visits, interactive seminars
- PR5 to JS

2810/3000

Communication

Communication and dissemination will continue to take place at both the EU level and the regional level. CM will coordinate the overall project communication efforts, including monitoring and evaluation of effectiveness, according to the adopted strategy and planning. CM will share news and project outputs/outcomes, including partners' input, on project's website, social media and IE Policy Learning Platform.

The 6th newsletter and 6th and the 7th short videos will be made and shared with stakeholders. CM will prepare a news article, press release, blog or vlog and share it through communication channels with tailored messages per target group. Regional CM will translate messages and communicate in the region.

CM will keep record on appearance and mentioning of the UNLOCK project in media and events.

All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts, including organisation of regional stakeholders events.

999/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

2

N° of good practices identified

6

N° of pilot actions developed jointly and implemented in projects

0

E.2 Follow-up phase

Semester 7 (Follow-up phase)

Monitoring results of main phase and, if applicable, exchange of experience

At the start of the 7th semester ALP01 will share with partners the methodology for monitoring. Partners will monitor (a) the first effects of the policy improvements achieved in the core phase and (b) whether additional policy improvements are being achieved. The partners who already achieved a policy improvement in their core phase, will check the territorial effects of those improvements. The partners will report on any new policy improvements deriving from their exchange of experience. In the case of action plan, partner will monitor the extent to which the measures described in the action plan are implemented and will gather evidence of any achievements to be reported. The ALP will consolidate reports of partners on the progress achieved in their territories into a progress report.

The follow-up phase remains an important source of policy learning and interregional cooperation – regions learn from each other, as well as observe and assess the effects of the policy improvements achieved in the core phase together. Therefore, partners will continue to exchange information and support each other in the implementation of the action plans (where relevant) and in achieving additional policy changes in the follow-up phase. When a policy improvement relates to the transfer of a particular approach developed in one region, the 'importing' region will consult the 'exporting' region on the best way to adapt this approach to its own context. For exchange of experiences partners will use online communication and platforms to diminish the environmental impact.

The SC will meet to review and approve work plans /reports; to monitor progress towards the achievement of the project's objectives; to monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR6 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme.

Interregional learning & outputs:
- PR6 to JS

2141/3000

Communication

Communication and dissemination will continue to take place at both the EU level and the regional level. CM will coordinate the overall project communication efforts, including monitoring and evaluation of effectiveness, according to the adopted strategy and planning. CM will share news and project outputs/outcomes, including partners' input, on project's website, social media and IE Policy Learning Platform.

The 7th newsletter will be prepared and sent out to all stakeholders and subscribers. CM will prepare a news article, press release, blog or vlog and share it through communication channels with tailored messages per target group. Regional CM will translate messages and communicate in the region.

CM will keep record on appearance and mentioning of the UNLOCK project in media and events.

All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts.

935/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

0

Semester 8 (Follow-up phase)

Monitoring results of main phase and, if applicable, exchange of experience

During the 8th semester the partners continue monitoring the effects of the policy improvements and whether additional policy improvements are being achieved. In the case of action plan, partner will monitor the extent to which the measures described in the action plan are implemented and gather evidence of any achievements to be reported. The partners will continue (inter)regional learning through exchange of experiences on monitoring. They will use online communication and platforms to diminish the environmental impact. The reports of each partner on the progress achieved will be consolidated into the six-month progress report to be submitted to the programme. Each partner will engage with relevant regional stakeholders for discussion and dissemination of project results.

The final interregional partner meeting will be held to define final outputs and results.

The project will be completed with a final conference (hybrid) at EU level to disseminate the findings and present results to regional, national, and international stakeholders. During the conference ALP01 will present final observations on in the project targeted policy improvements: 1) developing industrial symbiosis; 2) connecting SMEs to regional energy innovations; 3) effective governance approaches, 4) conditions for successful policy transfer; 5) individual and organisational learning and effectiveness of interregional learning activities.

Every partner will present at regional level to the relevant stakeholders the achieved results, regarding: 1) improvement of regional policy instruments aiming at enhancement of sustainable growth, SMEs competitiveness and job creation within SMEs; 2) enhanced administrative capacities.

ALP01 will present the summary of results and the contribution of the project to the EU regional policy and society at large, including an overview of the starting point and what has been achieved, the added value to regions (local and regional governments, companies and people), and lessons & good practices for others.

The SC will review and approve work plans /reports; monitor progress towards the achievement of the project's objectives; monitor financial management. The reports of each partner on the progress achieved will be consolidated into the six-month progress report PR7 (providing information on both the content of the project (activity/results) and its financial status and progress), approved and submitted within 3 months after the end of the 6-months reporting period to the JS of the IE programme. Also, the final report PR8 (covering 6 months of implementation and 3 months of closure) will be submitted by the end date of the project.

Interregional learning & outputs:

- A final conference at EU level
- publications on a webpage of final results
- PR7 and PR8 to JS

2820/3000

Communication

Partners will use online communication and platforms to diminish environmental impact while exchanging the experience on monitoring of first effects of policy improvements. All partners actively contribute to communication and dissemination activities at EU level and lead regional communication efforts. CM organises communication around the final (hybrid) conference at EU level, including dissemination of results to relevant stakeholders. CM prepares a news article, press release, blog or vlog and shares through communication channels with tailored messages per target group. Regional CM translates messages and communicates to stakeholders and beyond. The 2nd video explaining the starting point and what has been achieved, the added value to regions (local and regional governments, companies and people), and lessons & good practices for others. The 8th newsletter and 8th short video will be made and shared with stakeholders. CM presents evaluation of project communication efforts to SG.

999/1000

Management

Ongoing management activities to ensure smooth implementation and reporting of the project

N° of interregional policy learning events organised

1

F Project budget

F.1 Budget breakdown per cost category and partner

Partner		ALP01 Hanze University of Applied Sciences Groningen							Country		Netherlands (Nederland)				
Preparation costs	17,500.00	Staff costs	355,269.00	Office and administration	53,290.00	Travel and accommodation	53,290.00	External expertise and services	25,500.00	Equipment	0.00	Infrastructure and works	0.00	TOTAL BUDGET	504,849.00
Partner		PP02 Province of Fryslân							Country		Netherlands (Nederland)				
Preparation costs	0.00	Staff costs	166,000.00	Office and administration	24,900.00	Travel and accommodation	24,900.00	External expertise and services	34,500.00	Equipment	0.00	Infrastructure and works	0.00	TOTAL BUDGET	250,300.00
Partner		PP03 Puglia Region							Country		Italy (Italia)				
Preparation costs	0.00	Staff costs	51,600.00	Office and administration	7,740.00	Travel and accommodation	7,740.00	External expertise and services	18,920.00	Equipment	0.00	Infrastructure and works	0.00	TOTAL BUDGET	86,000.00
Partner		PP04 Podkarpackie Region							Country		Poland (Polska)				
Preparation costs	0.00	Staff costs	105,570.00	Office and administration	15,835.00	Travel and accommodation	15,835.00	External expertise and services	45,484.00	Equipment	1,500.00	Infrastructure and works	0.00	TOTAL BUDGET	184,224.00
Partner		PP05 DITNE (Italian National Energy Technological Cluster)							Country		Italy (Italia)				
Preparation costs	0.00	Staff costs	75,000.00	Office and administration	11,250.00	Travel and accommodation	11,250.00	External expertise and services	36,500.00	Equipment	0.00	Infrastructure and works	0.00	TOTAL BUDGET	134,000.00

costs				admin istrati on			acco mmod ation			expert ise and servic es			re and works	BUDG ET	
Partner		PP06 Inter-Municipal Community of Médio Tejo						Country			Portugal (Portugal)				
Prepa ration costs	0.00	Staff costs	100,000.0 0	Office and admin istrati on	15,000.00	Travel and acco mmod ation	15,000.00	Extern al expert ise and servic es	50,000.00	Equip ment	0.00	Infras tructu re and works	0.00	TOTA L BUDG ET	180,000.0 0
Partner		PP07 Mallorca Island Council						Country			Spain (España)				
Prepa ration costs	0.00	Staff costs	104,393.0 0	Office and admin istrati on	15,658.00	Travel and acco mmod ation	15,658.00	Extern al expert ise and servic es	25,357.00	Equip ment	0.00	Infras tructu re and works	0.00	TOTA L BUDG ET	161,066.0 0
Partner		PP08 Region Västerbotten (Region Västerbotten)						Country			Sweden (Sverige)				
Prepa ration costs	0.00	Staff costs	134,400.0 0	Office and admin istrati on	20,160.00	Travel and acco mmod ation	20,160.00	Extern al expert ise and servic es	87,000.00	Equip ment	0.00	Infras tructu re and works	0.00	TOTA L BUDG ET	261,720.0 0
Partner		PP09 Ånge municipality						Country			Sweden (Sverige)				
Prepa ration costs	0.00	Staff costs	136,419.0 0	Office and admin istrati on	20,462.00	Travel and acco mmod ation	20,462.00	Extern al expert ise and servic es	27,145.00	Equip ment	0.00	Infras tructu re and works	0.00	TOTA L BUDG ET	204,488.0 0
Partner		Total						Country							
Prepa ration	17,500.00	Staff costs	1,228,651. 00	Office and	184,295.0 0	Travel and	184,295.0 0	Extern al	350,406.0 0	Equip ment	1,500.00	Infras tructu	0.00	TOTA L	1,966,647. 00

costs			admin istrati on			acco mmod ation		expert ise and servic es			re and works			BUDG ET	
Partner		% of Total budget						Country							
Prepa ration costs	0.9%	Staff costs	62.5%	Office and admin istrati on	9.4%	Travel and acco mmod ation	9.4%	Extern al expert ise and servic es	17.8%	Equip ment	0.1%	Infras tructu re and works	0.0%	TOTA L BUDG ET	100.0%

* Real cost, no flatrate

F.2 External expertise and services

Item number	1	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	ALP01 Hanze University of Applied Sciences Groningen	Type of costs	Exchange of experience – meetings
TOTAL			15,000.00
Item number	2	Description	2 video's of 3 min, each 1500 EUR: 3000 EUR High Quality Pictures, 2 times 500 EUR: 1000 EUR Translation into Dutch and printing of the project information posters to be placed at the project location: 1000 EUR
Contracting partner	ALP01 Hanze University of Applied Sciences Groningen	Type of costs	Communication – material
TOTAL			5,000.00
Item number	3	Description	regional and interregional dissemination events
Contracting partner	ALP01 Hanze University of Applied Sciences Groningen	Type of costs	Exchange of experience – external support
TOTAL			500.00
Item number	4	Description	
Contracting partner	ALP01 Hanze University of Applied Sciences Groningen	Type of costs	Management – expenditure control
TOTAL			5,000.00
Item number	5	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP06 Inter-Municipal Community of Médio Tejo	Type of costs	Exchange of experience – meetings
TOTAL			2,000.00
Item number	6	Description	associated policy responsible authority, stakeholders
Contracting partner	PP07 Mallorca Island Council	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL			4,000.00
Item number	7	Description	Translation into Polish and printing of the project

		information posters (5 units) to be placed at the project location. Translation into Polish and printing.	
Contracting partner	PP04 Podkarpackie Region	Type of costs	Communication – material
TOTAL			1,000.00
Item number	8	Description	associated policy responsible authority, stakeholders
Contracting partner	PP04 Podkarpackie Region	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL			17,484.00
Item number	9	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP04 Podkarpackie Region	Type of costs	Exchange of experience – meetings
TOTAL			13,000.00
Item number	10	Description	External expert responsible for substantive support (participation in study visits, stakeholder meetings and regional conferences, etc.)
Contracting partner	PP04 Podkarpackie Region	Type of costs	Exchange of experience – external support
TOTAL			10,000.00
Item number	11	Description	regional and interregional dissemination events
Contracting partner	PP04 Podkarpackie Region	Type of costs	Communication – events
TOTAL			4,000.00
Item number	12	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP07 Mallorca Island Council	Type of costs	Exchange of experience – meetings
TOTAL			6,700.00
Item number	13	Description	regional and interregional dissemination events
Contracting partner	PP07 Mallorca Island Council	Type of costs	Communication – events
TOTAL			8,000.00

Item number	14	Description	Translation into Spanish and printing of the project information posters to be placed at the project location. Translation into Spanish and printing of other project informational materials.
Contracting partner	PP07 Mallorca Island Council	Type of costs	Communication – material
TOTAL			1,000.00
Item number	15	Description	associated policy responsible authority, stakeholders
Contracting partner	PP06 Inter-Municipal Community of Médio Tejo	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL			5,000.00
Item number	16	Description	regional and interregional dissemination events
Contracting partner	PP06 Inter-Municipal Community of Médio Tejo	Type of costs	Communication – events
TOTAL			3,000.00
Item number	17	Description	Translation into Portuguese and printing of the project information posters to be placed at the project location. Translation into Portuguese and printing of other project informational materials.
Contracting partner	PP06 Inter-Municipal Community of Médio Tejo	Type of costs	Communication – material
TOTAL			2,000.00
Item number	18	Description	
Contracting partner	PP06 Inter-Municipal Community of Médio Tejo	Type of costs	Management – external support
TOTAL			25,000.00
Item number	19	Description	The specialised expert support in the area of sustainable energy and the collection of practices at the regional level with relevance for development of the regional green hydrogen economy and thus for the project.
Contracting partner	PP06 Inter-Municipal Community of Médio Tejo	Type of costs	Exchange of experience – external support
TOTAL			13,000.00

Item number	20	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP08 Region Västerbotten (Region Västerbotten)	Type of costs	Exchange of experience – meetings
TOTAL			5,000.00
Item number	21	Description	associated policy responsible authority, stakeholders
Contracting partner	PP08 Region Västerbotten (Region Västerbotten)	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL			15,000.00
Item number	22	Description	Expert for integration of lessons learned to development of new projects financed by the policy instrument.
Contracting partner	PP08 Region Västerbotten (Region Västerbotten)	Type of costs	Exchange of experience – external support
TOTAL			10,000.00
Item number	23	Description	regional and interregional dissemination events
Contracting partner	PP08 Region Västerbotten (Region Västerbotten)	Type of costs	Communication – events
TOTAL			1,000.00
Item number	24	Description	Translation into Swedish and printing of the project information posters to be placed at the project location. Translation into Swedish and printing of other project informational materials.
Contracting partner	PP08 Region Västerbotten (Region Västerbotten)	Type of costs	Communication – material
TOTAL			1,000.00
Item number	25	Description	
Contracting partner	PP08 Region Västerbotten (Region Västerbotten)	Type of costs	Management – external support
TOTAL			55,000.00
Item number	26	Description	
Contracting partner	PP02 Province of Fryslân	Type of costs	Management – expenditure control

TOTAL		5,000.00	
Item number	27	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP02 Province of Fryslân	Type of costs	Exchange of experience – meetings
TOTAL		7,500.00	
Item number	28	Description	associated policy responsible authority, stakeholders
Contracting partner	PP02 Province of Fryslân	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL		7,000.00	
Item number	29	Description	regional and interregional dissemination events
Contracting partner	PP02 Province of Fryslân	Type of costs	Communication – events
TOTAL		15,000.00	
Item number	30	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP03 Puglia Region	Type of costs	Exchange of experience – meetings
TOTAL		6,000.00	
Item number	31	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP05 DITNE (Italian National Energy Technological Cluster)	Type of costs	Exchange of experience – meetings
TOTAL		7,000.00	
Item number	32	Description	External expert responsible for substantive support (participation in study visits, stakeholder meetings and regional conferences, etc.).
Contracting partner	PP09 Ånge municipality	Type of costs	Exchange of experience – external support
TOTAL		7,857.00	
Item number	33	Description	associated policy responsible authority, stakeholders

Contracting partner	PP09 Ånge municipality	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL			9,524.00
Item number	34	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP09 Ånge municipality	Type of costs	Exchange of experience – meetings
TOTAL			2,000.00
Item number	35	Description	regional and interregional dissemination events
Contracting partner	PP09 Ånge municipality	Type of costs	Communication – events
TOTAL			2,000.00
Item number	36	Description	Translation into Swedish and printing of the project information posters to be placed at the project location. Translation into Swedish and printing of other project informational materials.
Contracting partner	PP09 Ånge municipality	Type of costs	Communication – material
TOTAL			1,000.00
Item number	37	Description	interregional partner meetings, regional stakeholder group meetings
Contracting partner	PP09 Ånge municipality	Type of costs	Exchange of experience – meetings
TOTAL			4,764.00
Item number	38	Description	associated policy responsible authority, stakeholders
Contracting partner	PP05 DITNE (Italian National Energy Technological Cluster)	Type of costs	Exchange of experience – travel and accommodation external bodies
TOTAL			6,500.00
Item number	39	Description	Costs for printing of posters, roll-up, brochures; realization of contents for the project social media channels.
Contracting partner	PP05 DITNE (Italian National Energy Technological Cluster)	Type of costs	Communication – material

TOTAL		2,000.00	
Item number	40	Description	
Contracting partner	PP05 DITNE (Italian National Energy Technological Cluster)	Type of costs	Management – external support
TOTAL		18,500.00	
Item number	41	Description	
Contracting partner	PP05 DITNE (Italian National Energy Technological Cluster)	Type of costs	Management – expenditure control
TOTAL		2,500.00	
Item number	42	Description	Expertise on policy improvement and engagement with stakeholders
Contracting partner	PP03 Puglia Region	Type of costs	Exchange of experience – external support
TOTAL		7,920.00	
Item number	43	Description	regional and interregional dissemination events
Contracting partner	PP03 Puglia Region	Type of costs	Communication – events
TOTAL		1,000.00	
Item number	44	Description	Costs for printing of posters, roll-up, brochures, translation.
Contracting partner	PP03 Puglia Region	Type of costs	Communication – material
TOTAL		2,000.00	
Item number	45	Description	
Contracting partner	PP03 Puglia Region	Type of costs	Management – expenditure control
TOTAL		2,000.00	
Item number	46	Description	
Contracting partner	PP07 Mallorca Island Council	Type of costs	Management – expenditure control

TOTAL			5,657.00
Item number	Description		
Contracting partner	Type of costs	TOTAL	
TOTAL			350,406.00

F.3 Equipment

Item number	1	Description	e.g. Computer/laptop, software licences
Contracting partner	PP04 Podkarpackie Region	Type of costs	Office Equipment
TOTAL			1,500.00

Item number	Description		
Contracting partner	Type of costs	TOTAL	
TOTAL			1,500.00

F.4 Infrastructure and works

Item number	Description		
Contracting partner	Type of costs		TOTAL
TOTAL			0.00
No item found			

F.5 Project budget per co-financing source - breakdown per partner

Partner		ALP01 Hanze University of Applied Sciences Groningen					Country		Netherlands (Nederland)				
Total	504,849.00	ERDF	403,879.20	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	100,969.80	Partner contrib ution from private sources	0.00	Total partner contrib ution	100,969.80
Partner		PP02 Province of Fryslân					Country		Netherlands (Nederland)				
Total	250,300.00	ERDF	200,240.00	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	0.00	Partner contrib ution from private sources	50,060.00	Total partner contrib ution	50,060.00
Partner		PP03 Puglia Region					Country		Italy (Italia)				
Total	86,000.00	ERDF	68,800.00	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	17,200.00	Partner contrib ution from private sources	0.00	Total partner contrib ution	17,200.00
Partner		PP04 Podkarpackie Region					Country		Poland (Polska)				
Total	184,224.00	ERDF	147,379.20	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	36,844.80	Partner contrib ution from private sources	0.00	Total partner contrib ution	36,844.80
Partner		PP05 DITNE (Italian National Energy Technological Cluster)					Country		Italy (Italia)				
Total	134,000.00	ERDF	93,800.00	ERDF/N O rate (%)	70.0%	Norweg ian	0.00	Partner contrib ution from public sources	40,200.00	Partner contrib ution from private sources	0.00	Total partner contrib ution	40,200.00
Partner		PP06 Inter-Municipal Community of Médio Tejo					Country		Portugal (Portugal)				

Total	180,000.00	ERDF	144,000.00	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	0.00	Partner contrib ution from private sources	36,000.00	Total partner contrib ution	36,000.00
Partner	PP07 Mallorca Island Council					Country			Spain (España)				
Total	161,066.00	ERDF	128,852.80	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	32,213.20	Partner contrib ution from private sources	0.00	Total partner contrib ution	32,213.20
Partner	PP08 Region Västerbotten (Region Västerbotten)					Country			Sweden (Sverige)				
Total	261,720.00	ERDF	209,376.00	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	0.00	Partner contrib ution from private sources	52,344.00	Total partner contrib ution	52,344.00
Partner	PP09 Ånge municipality					Country			Sweden (Sverige)				
Total	204,488.00	ERDF	163,590.40	ERDF/N O rate (%)	80.0%	Norweg ian	0.00	Partner contrib ution from public sources	0.00	Partner contrib ution from private sources	40,897.60	Total partner contrib ution	40,897.60
Partner	Total					Country							
Total	1,966,647.00	ERDF	1,559,917.60	ERDF/N O rate (%)		Norweg ian	0.00	Partner contrib ution from public sources	227,427.80	Partner contrib ution from private sources	179,301.60	Total partner contrib ution	406,729.40

F.6 Spending plan

Core phase

Partner	ALP01 Hanze University of Applied Sciences Groningen	P r e p a r a t i o n c o s t s	17, 50 0.0 0	S e m e s t e r 1	57, 46 5.0 0	S e m e s t e r 2	48, 21 8.0 0	S e m e s t e r 3	54, 79 6.0 0	S e m e s t e r 4	56, 04 6.0 0	S e m e s t e r 5	54, 79 6.0 0	S e m e s t e r 6	63, 87 4.0 0	T O T A L B U D G E T	50 4,8 49. 00
Partner	PP02 Province of Fryslân	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	41, 10 0.0 0	S e m e s t e r 2	30, 00 0.0 0	S e m e s t e r 3	45, 00 0.0 0	S e m e s t e r 4	30, 00 0.0 0	S e m e s t e r 5	30, 00 0.0 0	S e m e s t e r 6	30, 00 0.0 0	T O T A L B U D G E T	25 0,3 00. 00
Partner	PP03 Puglia Region	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	10, 25 0.0 0	S e m e s t e r 2	10, 25 0.0 0	S e m e s t e r 3	12, 25 0.0 0	S e m e s t e r 4	19, 25 0.0 0	S e m e s t e r 5	12, 25 0.0 0	S e m e s t e r 6	12, 17 0.0 0	T O T A L B U D G E T	86, 00 0.0 0

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Partner	PP04 Podkarpackie Region	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	28, 34 7.0 0	S e m e s t e r 2	26, 06 7.0 0	S e m e s t e r 3	30, 54 5.0 0	S e m e s t e r 4	26, 23 5.0 0	S e m e s t e r 5	25, 58 7.0 0	S e m e s t e r 6	26, 22 3.0 0	T O T A L B U D G E T	18 4,2 24. 00
Partner	PP05 DITNE (Italian National Energy Technological Cluster)	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	16, 15 0.0 0	S e m e s t e r 2	16, 15 0.0 0	S e m e s t e r 3	16, 15 0.0 0	S e m e s t e r 4	22, 15 0.0 0	S e m e s t e r 5	16, 15 0.0 0	S e m e s t e r 6	16, 15 0.0 0	T O T A L B U D G E T	13 4,0 00. 00
Partner	PP06 Inter-Municipal Community of Médio Tejo	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	20, 00 0.0 0	S e m e s t e r 2	20, 00 0.0 0	S e m e s t e r 3	20, 00 0.0 0	S e m e s t e r 4	20, 00 0.0 0	S e m e s t e r 5	40, 00 0.0 0	S e m e s t e r 6	40, 00 0.0 0	T O T A L B U D G E T	18 0,0 00. 00

Partner	PP07 Mallorca Island Council	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	18, 60 1.0 0	S e m e s t e r 2	22, 54 1.0 0	S e m e s t e r 3	18, 60 1.0 0	S e m e s t e r 4	18, 60 1.0 0	S e m e s t e r 5	18, 60 1.0 0	S e m e s t e r 6	18, 60 1.0 0	T O T A L B U D G E T	16 1,0 66. 00
Partner	PP08 Region Västerbotten (Region Västerbotten)	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	32, 92 6.0 0	S e m e s t e r 2	33, 42 6.0 0	S e m e s t e r 3	33, 42 6.0 0	S e m e s t e r 4	33, 42 6.0 0	S e m e s t e r 5	33, 42 6.0 0	S e m e s t e r 6	45, 09 0.0 0	T O T A L B U D G E T	26 1,7 20. 00
Partner	PP09 Ånge municipality	P r e p a r a t i o n c o s t s	0.0 0	S e m e s t e r 1	29, 66 9.0 0	S e m e s t e r 2	29, 66 9.0 0	S e m e s t e r 3	29, 83 5.0 0	S e m e s t e r 4	29, 83 5.0 0	S e m e s t e r 5	29, 83 5.0 0	S e m e s t e r 6	32, 69 2.0 0	T O T A L B U D G E T	20 4,4 88. 00
Partner	Total	P r	17, 50	S e	25 4,5	S e	23 6,3	S e	26 0,6	S e	25 5,5	S e	26 0,6	S e	28 4,8	T O	1,9 66,

		e p a r a t i o n c o s t s	0.00	m e s t e r 1	08.00	m e s t e r 2	21.00	m e s t e r 3	03.00	m e s t e r 4	43.00	m e s t e r 5	45.00	m e s t e r 6	00.00	T A L B U D G E T	647.00
Partner	% of Total budget	P r e p a r a t i o n c o s t s	0.90	S e m e s t e r 1	12.9%	S e m e s t e r 2	12.0%	S e m e s t e r 3	13.3%	S e m e s t e r 4	13.0%	S e m e s t e r 5	13.3%	S e m e s t e r 6	14.5%	T O T A L B U D G E T	100.00

Follow-up and closure phase

Partner	ALP01 Hanze University of Applied Sciences Groningen	SEMS test 7	62,62 4.00	SEMS test 8 and conclusion	89,53 0.00	TOTAL	504,84900
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Partner	PP02 Province of Frysân	S e m e s t e r 7	22, 10 0.0 0	S e m e s t e r 8 a n d c l o s u r e	22, 10 0.0 0	T O T A L B U D G E T	25 0,3 00. 00
Partner	PP03 Puglia Region	S e m e s t e r 7	4,7 90. 00	S e m e s t e r 8 a n d c l o s u r e	4,7 90. 00	T O T A L B U D G E T	86, 00 0.0 0
Partner	PP04 Podkarpackie Region	S e m e s t e r 7	8,4 85. 00	S e m e s t e r 8 a	12, 73 5.0 0	T O T A L B U D G	18 4,2 24. 00

				n d c l o s u r e			E T
Partner	PP05 DITNE (Italian National Energy Technological Cluster)	S e m e s t e r 7	15, 15 0.0 0	S e m e s t e r 8 a n d c l o s u r e	15, 95 0.0 0	T O T A L B U D G E T	13 4,0 00. 00
Partner	PP06 Inter- Municipal Community of Médio Tejo	S e m e s t e r 7	10, 00 0.0 0	S e m e s t e r 8 a n d c l o s u r e	10, 00 0.0 0	T O T A L B U D G E T	18 0,0 00. 00
Partner	PP07 Mallorca Island Council	S e m	18, 60	S e m	26, 91	T O T	16 1,0

		e s t e r 7	1.0 0	e s t e r 8 a n d c l o s u r e	9.0 0	A L B U D G E T	66. 00
Partner	PP08 Region Västerbotten (Region Västerbotten)	S e m e s t e r 7	25, 00 0.0 0	S e m e s t e r 8 a n d c l o s u r e	25, 00 0.0 0	T O T A L B U D G E T	26 1,7 20. 00
Partner	PP09 Ånge municipality	S e m e s t e r 7	10, 31 0.0 0	S e m e s t e r 8 a n d c l o s u	12, 64 3.0 0	T O T A L B U D G E T	20 4,4 88. 00

r e							
Partner	Total	S e m e s t e r 7	17 7,0 60. 00	S e m e s t e r 8 a n d c l o s u r e	21 9,6 67. 00	T O T A L B U D G E T	1,9 66, 64 7.0 0
Partner	% of Total budget	S e m e s t e r 7	9.0 %	S e m e s t e r 8 a n d c l o s u r e	11. 2%	T O T A L B U D G E T	10 0.0 0

G Annexes

Partners

ALP01 Hanze University of Applied Sciences Groningen

Please upload a partner declaration.

PP02 Province of Fryslân

Please upload a partner declaration.

PP03 Puglia Region

Please upload a partner declaration.

PP04 Podkarpackie Region

Please upload a partner declaration.

PP05 DITNE (Italian National Energy Technological Cluster)

Please upload a partner declaration.

PP06 Inter-Municipal Community of Médio Tejo

Please upload a partner declaration.

PP07 Mallorca Island Council

Please upload a partner declaration.

PP08 Region Västerbotten (Region Västerbotten)

Please upload a partner declaration.

PP09 Ånge municipality

Please upload a partner declaration.

Associated policy authorities

Centro Regional Coordination and Development Commission

Please upload a partner declaration.

Region Västernorrland

Please upload a partner declaration.