

A Project overview

A.1 Project identification

Title

Promoting Renewable Hydrogen Utilization for a Sustainable and Greener Europe

77/110

Acronym

PRHyUS

6/18

Project ID

0904

Name of the lead partner organisation

LP01 Campania Region

Policy objective

Greener Europe (policy objective 2)

Specific objective

Energy efficiency

Project duration

	Duration	Start date	End date
Core phase	36 months	The definite project start date will be set upon approval.	
Follow-up phase	12 months		
Closure phase	3 months		

Is this application a resubmission of a proposal that was not approved under an earlier call?

No

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 hydrogen related strategies, but at the same time local industries and stakeholders have not found the conditions to make hydrogen a sustainable business for their production processes and infrastructure. Most of these regions are highly dependent on fossil fuels and their industrial sector is one of the main economic drivers and contributors to greenhouse gas emissions (GHG). Significant investments have already been made in the renewable hydrogen sectors, offering an integrated solution to meet the goals of a greener and more sustainable Europe. The challenge now lies in bolstering hydrogen demand for and use of hydrogen in different sectors to improve the deployment mechanisms, encourage wider uptake of hydrogen and overcome industrial sector boundaries. PRHyUS aims to advance regional policy frameworks in Europe to support hydrogen demand, investment and use across different sectors and to facilitate the widespread deployment adoption of renewable hydrogen technologies. The project will contribute to the EU's goals of a "Greener Europe" by facilitating greater knowledge of hydrogen technologies and seeking to contribute to a significant reduction in GHG emissions. In order to advance regional policy frameworks in Europe the PRHyUS consortium brings together policy and technical partners from: Italy (Regione Campania LP, Fondazione Enrico Mattei), Germany (Development Agency Region Heide), Poland (Association of Municipalities Polish Network), Belgium (Free University of Brussels), Bosnia and Herzegovina (City of Gradiska), France (Tenerdis Energy Cluster), Serbia (Chamber of Commerce of Belgrade) and Romania (Regional Development Agency Centru). Drawing on their different experiences and areas of competence (public authorities, education and research institutions, clusters, NGOs), they will jointly improve 7 policy instruments to accelerate industrial decarbonisation and enhance energy efficiency through hydrogen use.

1999/2000

B Partners / associated policy authorities

v1 | Open

Overview partners

Partner number ↑	Organisation	Role	Country	Geographical area	Interreg/ Norwegian funds	Total partner contribution	Total partner budget
1	Campania Region	Lead Partner	Italy (Italia)	South	397,784.00	99,446.00	497,230.00
2	Eni Enrico Mattei Foundation	Partner	Italy (Italia)	South	147,000.00	63,000.00	210,000.00
3	Development Agency Region Heide	Partner	Germany (Deutschland)	North	160,000.00	40,000.00	200,000.00
4	Association of Municipalities Polish Network "Energie Cités"	Partner	Poland (Polska)	East	167,369.60	41,842.40	209,212.00
5	Free University of Brussels	Advisory Partner	Belgium (Belgique/België)	West	133,619.20	33,404.80	167,024.00
6	City of Gradiška	Partner	Bosnia and Herzegovina	EuCandidate	127,840.00	31,960.00	159,800.00
7	Chamber of Commerce and Industry of Serbia	Discovery Partner	Serbia (Srbija/Србија)	EuCandidate	88,224.00	22,056.00	110,280.00
8	Tenerdis	Partner	France (France)	West	158,856.00	39,714.00	198,570.00
9	REGIONAL DEVELOPMENT AGENCY CENTRU	Partner	Romania (România)	East	152,000.00	38,000.00	190,000.00
					1,532,692.80	409,423.20	1,942,116.00

Overview associated policy authorities

Organisation ↑	Country
City of Bydgoszcz	Poland (Polska)
Auvergne-Rhone-Alps Region	France (France)
Province of Mantua	Italy (Italia)

B.1.1 Organisation identity

Country

Italy (Italia)

Organisation

Campania Region

Organisation role

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.

Organisation details

Name in English

Campania Region

15/200

Name in original language

Regione Campania

16/200

 I want to change the partner name

Address

Via Santa Lucia 81

18/200

Postal code

80100

5/200

City

Napoli

6/200

Country

Italy (Italia)



Nuts 1

Sud

Nuts 2

Campania

Nuts 3

Napoli

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

VAT number (or other identifier)

80011990639

11/200

Website

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

32/200

Legal status

v1 | Open

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.2.1 Organisation identity

Country

Italy (Italia)

Organisation

Eni Enrico Mattei Foundation

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

Eni Enrico Mattei Foundation

28/200

Name in original language

Fondazione Eni Enrico Mattei

28/200

 I want to change the partner name

Address

Corso Magenta 63

16/200

Postal code

20123

5/200

City

Milano

6/200

Country

Italy (Italia)



Nuts 1

Nord-Ovest

Nuts 2

Lombardia

Nuts 3

Milano

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

VAT number (or other identifier)

97080600154

11/200

Website

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

20/200

Legal status

v1 | Open

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.3.1 Organisation identity

Country

Germany (Deutschland)

Organisation

Development Agency Region Heide

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.

Name in English

Development Agency Region Heide

31/200

Name in original language

Entwicklungsagentur Region Heide

32/200

 I want to change the partner name

Address

Hamburger Hof 3

15/200

Postal code

25746

5/200

City

Heide

5/200

Country

Germany
(Deutschland)

Nuts 1

Schleswig-Holstein

Nuts 2

Schleswig-Holstein

Nuts 3

Dithmarschen

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

VAT number (or other identifier)

18/266/51631

12/200

Website

<https://www.region-heide.de>

27/200

Legal status

v1 | Open

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.4.1 Organisation identity

Country

Poland (Polska)

Organisation

Association of Municipalities Polish Network "Energie Cités"

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.

Name in English

Association of Municipalities Polish Network "Energie Cités"

60/200

Name in original language

Stowarzyszenie Gmin Polska Sieć "Energie Cités"

47/200

 I want to change the partner name

Address

Sławkowska 17/30

16/200

Postal code

31-016

6/200

City

Kraków

6/200

Country

Poland
(Polska)

Nuts 1

Makroregion południowy

Nuts 2

Małopolskie

Nuts 3

Miasto Kraków

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

VAT number (or other identifier)

PL6761010854

12/200

Website

<http://www.pnec.org.pl/en/>

26/200

Legal status

v1 | Open

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.5.1 Organisation identity

Country

Belgium (Belgique/België)

Organisation

Free University of Brussels

Organisation role

Advisory 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.5.2 Advisory partner role and competences

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

VUB's Thermodynamics and Fluid Mechanics (FLOW) research group specialises in thermal-fluid systems, including clean energy applications. In this field, they carry out research on wind energy, bioenergy, hydrogen and e-fuels, heat recovery and heat networks. Their research combines advanced tools based on Computational Fluid Dynamics (CFD) simulations, static and dynamic modelling of thermodynamic systems, and global energy systems optimisation. Since 2021, FLOW has joined forces with a similar research group at the ULB, VUB's French-speaking sister university, to form the joint research group BRITE: the "Brussels Institute for Thermal-fluid systems and clean Energy" (<https://brite-research.be/>). FLOW gathers more than 40 researchers, including 5 professors and 5 post-doctoral researchers, active in more than 20 research projects funded by regional, federal and European authorities.

FLOW is currently involved in several research projects related to hydrogen:

BEST: "Belgian Energy System - The contribution of electro and synthetic energy carriers to the security of supply" (Belgian federal project – 2020-2024)

Be-HyFE: "Belgian Hydrogen Fundamental Expertise" (Belgian federal project – 2020-2024).

H2-HeatNet: "A planification tool for the integration of hydrogen-based energy systems into urban district heating networks" (Brussels regional project – 2022-2024)

H2GridTwin: "A digital twin of a hydrogen-to-grid living lab" (Belgian Federal project – 2023-2025).

1482/1500

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

As a technical advisor in the PRHyUS project, PP VUB's FLOW research group will provide its specialised knowledge and technical expertise to assist other partners in developing effective policies for the adoption of hydrogen technologies. Their primary role will involve working in the preliminary stages to establish a technical framework, assessing the potential, the feasibility and identifying technical and economic hurdles for various applications across different regions. The group will focus on hard-to-abate sectors and explore sectoral coupling options to enhance implementation efficiency and return on investment. PP VUB will take part to site visits, interviews, and case studies, followed by a detailed report on the challenges, critical issues and opportunities associated with the integration of hydrogen technologies. In addition, they will provide ongoing technical advisory support throughout the further stages of the project to ensure the successful integration and optimisation of hydrogen-based solutions in industrial settings. Lastly PP VUB will organize the Dissemination Event in Brussels.

In detail: VUB will support and be involved in:

- Methodology and background analysis (semester I)
- Assessment and Strategy Development (semester I – semester VI)
- Collection and selection of Good Practices (semester I – semester II)
- Cost-benefit Analysis (semester I – semester VI)
- Dissemination event in Brussels (semester VIII)

[v1 | Open](#)

1456/1500

Name in English

Free University of Brussels

27/200

Name in original language

Vrije Universiteit Brussel

26/200

 I want to change the partner name

Address

Pleinlaan 2

11/200

Postal code

1050

4/200

City

Brussels

8/200

Country

Belgium
(Belgique/België)

Nuts 1

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest

Nuts 2

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest

Nuts 3

Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

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

VAT number (or other identifier)

BE0449012406

12/200

Website

<https://www.vub.be>

18/200

Legal status

Public body or body governed by public law

v1 | Open

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

Type of partner

Education and research institution

Co-financing rate (%)

80%

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

Thermodynamics and Fluid Mechanics (FLOW)

41/200

Address

Pleinlaan 2

11/200

Postal code

1050

4/200

City

Brussels

8/200

B.6.1 Organisation identity

Country

Bosnia and Herzegovina

Organisation

City of Gradiška

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.

Name in English

City of Gradiška

16/200

Name in original language

Grad Gradiška

13/200

 I want to change the partner name

Address

Vidovdanska 1A

14/200

Postal code

78400

5/200

City

Gradiška

8/200

Country

Bosnia and
Herzegovina

Nuts 1

Nuts 2

Nuts 3

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

VAT number (or other identifier)

401068470004

12/200

Website

<http://www.gradgradiska.com>

27/200

Legal status

v1 | Open

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.7.1 Organisation identity

Country

Serbia (Srbija/Србија)

Organisation

Chamber of Commerce and Industry of Serbia

Organisation role

Discovery 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.7.2 Discovery partner competences and role

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

Since 2021, CCIS has been working on the development of a specialised part of the Hydrogen Utilisation Strategy as part of the Energy Development Strategy of the Republic of Serbia, with a strategic vision up to 2040 and projections up to 2050. For the development of the Draft Basic Concept of the Hydrogen Strategy of the Republic of Serbia, the Chamber of Commerce and Industry of Serbia engaged a consortium of research centres with specific competences from all over Europe. According to this strategy, the production of green hydrogen could start in 2025, reach 0.5-3% of the total electric energy produced in Serbia in 2035, and 2-8% in 2050. The project aimed at fostering hydrogen utilisation and market development has been implemented with the support and sponsorship of the German Organization for International Cooperation (GIZ). This collaboration underlines the international dimension and technical expertise brought to the project, ensuring adherence to global standards and best practices. The CCIS has played a pivotal role in this initiative by bringing together a group of stakeholders from various sectors through the Hydrogen Cluster, contributing their technological expertise and innovative solutions and providing the necessary industrial and production capacity to effectively scale up the use of hydrogen.

1334/1500

Please further describe the discovery partner's involvement in the project.

CCIS will take part to the project by coordinating the involvement of its stakeholders in order to ensure that supply effectively stimulates demand and vice versa, leveraging on its extensive network to foster collaborations between the public and private sectors, engaging key players across Europe. CCIS will work with policy makers to develop strategies supporting hydrogen innovation, advocating for policies, financial incentives and will promote research and development of hydrogen technologies with the help of research institutions, identifying new applications, improving efficiency, and reducing costs associated with hydrogen production and use to scale up hydrogen innovation, making it accessible and practical for policy makers and industry stakeholders across the continent, with detailed project plans, timelines, and milestones.

As a Discovery Partner, PP CCIS will be involved in the inter-regional exchange of experience process supported by Interreg Europe, in order to increase its capacity in the implementation of H2 technologies and policy instruments. PP CCIS will also be involved in all main activities of the project.

In particular, PP CCIS will support the following activities:

- Assessment and Strategy Development
- Collection and selection of Good Practices
- Cost-benefit Analysis
- Policy Analysis
- Guidelines
- Internal seminars
- Organisation of an industry fair (semester 7)

1425/1500

v1 | Open

Organisation details

Name in English

Chamber of Commerce and Industry of Serbia

42/200

Name in original language

Privredna komora Srbije

23/200

 I want to change the partner name

Address

13-15 Resavska Street

21/200

Postal code

11000

5/200

City

Belgrade

8/200

Country

Serbia
(Srbija/
Србија)

Nuts 1

Србија - север (Serbia - sever)

Nuts 2

Београдски регион (City of Belgrade)

Nuts 3

Београдска област (City of Belgrade)

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

VAT number (or other identifier)

100296837

9/200

Website

https://pks.rs

Legal status

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.8.1 Organisation identity

Country

France (France)

Organisation

Tenerdis

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.

Name in English

Tenerdis

9/200

Name in original language

ASSOCIATION TENERDIS- TECHNOLOGIES ENERGIES NOUVELLES ENERGIES RENOUVELABLES RHONE-ALPES DROME ISERE SAVOIE

109/200

 I want to change the partner name

Address

RUE DES BERGES 19

17/200

Postal code

38024

5/200

City

Grenoble

8/200

Country

France
(France)

Nuts 1

Auvergne-Rhône-Alpes

Nuts 2

Rhône-Alpes

Nuts 3

Isère

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

VAT number (or other identifier)

FR 65 485197057

15/200

Website

<https://www.tenerdis.fr/fr>

27/200

Legal status

v1 | Open

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

Type of partner

Co-financing rate (%)

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

0/200

City

0/200

B.9.1 Organisation identity

Country

Romania (România)

Organisation

REGIONAL DEVELOPMENT AGENCY CENTRU

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.

Name in English

REGIONAL DEVELOPMENT AGENCY CENTRU

34/200

Name in original language

AGENTIA PENTRU DEZVOLTARE REGIONALA CENTRU

42/200

 I want to change the partner name

Address

11 Decebal St.

14/200

Postal code

510093

6/200

City

Alba Iulia

10/200

Country

Romania
(România)

Nuts 1

Macroregiunea Unu

Nuts 2

Centru

Nuts 3

Alba

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

VAT number (or other identifier)

11293515

8/200

Website

<https://www.adrcentru.ro>

24/200

Legal status

Public body or body governed by public law

v1 | Open

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

Type of partner

Agency

Co-financing rate (%)

80%

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

Programme and Policies Unit

27/200

Address

Consiliul Europei 32D

21/200

Postal code

510096

6/200

City

Alba Iulia

10/200

B.i.1 Organisation identity

Country

Poland (Polska)

Organisation

City of Bydgoszcz

Organisation role

Associated Policy Authority

Organisation details

v1 | Open

Name in English

City of Bydgoszcz

17/200

Name in original language

Miasto Bydgoszcz

16/200

 I want to change the partner name

Address

Jezuicka 1

10/200

Postal code

85-102

6/200

City

Bydgoszcz

9/200

Country

Poland
(Polska)

Nuts 1

Makroregion północny

Nuts 2

Kujawsko-pomorskie

Nuts 3

Bydgosko-toruński

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

VAT number (or other identifier)

PL9531011863

12/200

Website

<https://www.bydgoszcz.pl/>

25/200

Legal status

Public body or body governed by public law

v1 | Open

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

Type of partner

Local public authority

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

Zespół ds. Zarządzania Energią/ Energy Managment Office

55/200

Address

Wojska Polskiego 65

19/200

Postal code

85-825

6/200

City

Bydgoszcz

9/200

B.ii.1 Organisation identity

Country

France (France)

Organisation

Auvergne-Rhone-Alps Region

Organisation role

Associated Policy Authority

Name in English

Auvergne-Rhone-Alps Region

26/200

Name in original language

Région Auvergne Rhône-Alpes

27/200

 I want to change the partner name

Address

101, cours Charlemagne

22/200

Postal code

69269

5/200

City

Lyon Cedex 2

12/200

Country

France
(France)

Nuts 1

Auvergne-Rhône-Alpes

Nuts 2

Rhône-Alpes

Nuts 3

Rhône

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

VAT number (or other identifier)

FR03200053767

13/200

Website

<https://www.auvergnerhonealpes.fr/>

34/200

Legal status

Public body or body governed by public law

v1 | Open

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

Type of partner

Regional public authority

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

Direction de l'économie, de l'emploi et des relocalisations

59/200

Address

101, cours Charlemagne CS 2033

30/200

Postal code

69269

5/200

City

Lyon Cedex 2

12/200

B.iii.1 Organisation identity

Country

Italy (Italia)

Organisation

Province of Mantua

Organisation role

Associated Policy Authority

Organisation details

Name in English

Province of Mantua

18/200

Name in original language

Provincia di Mantova

20/200

 I want to change the partner name

Address

via Principe Amedeo, 30

23/200

Postal code

46100

5/200

City

Mantova

7/200

Country

Italy (Italia)



Nuts 1

Nord-Ovest

Nuts 2

Lombardia

Nuts 3

Mantova

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

VAT number (or other identifier)

00314000209

11/200

Website

<https://www.provincia.mantova.it/>

33/200

Legal status

Public body or body governed by public law

v1 | Open

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

Type of partner

Local public authority

Department details if different from parent organisation

The department information only applies to the partner in this project.

Department name

0/200

Address

0/200

Postal code

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City

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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.

Most of the project partners are located in industrialised regions or countries that are highly dependent on fossil fuels and contribute significantly to greenhouse gas emissions. At the same time, renewable hydrogen offers an integrated solution to achieve the goals of a greener and more sustainable EU. These regions have to face the challenge of bolstering demand and utilisation across various sectors, overcoming a political gap in the knowledge of H2 technologies, in order to create favourable conditions for hydrogen. Given the maturity of hydrogen production technologies in many parts of Europe, significant investments have already been made to increase production capacity. The challenge now lies in bolstering hydrogen demand and use across different sectors to improve the deployment mechanisms, encouraging the wider adoption of hydrogen, overcoming industrial sector boundaries, including other applications towards the creation of local hydrogen ecosystems.

975/1000

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

Recent investments have been made in the production and use of hydrogen (RepowerEU will guarantee the import of 10 million tonnes of renewable hydrogen by 2030), but at the same time local industries and stakeholders have not yet found the conditions to make hydrogen a good business case for their production processes and infrastructure. This issue, highlighted by the Campania Region, emerges as a common challenge within the consortium as a result of the analysis of territorial contexts and issues during several meetings between the PPs. The project will seek to learn from regions and policy makers that have already taken a step towards the widespread use of renewable energy and hydrogen technologies, in order to substantially contribute to achieving the EU's 'Greener Europe' goals by facilitating a wider uptake of hydrogen technology, enabling the Campania Region and the other partners to transform their energy infrastructure, making it more sustainable and resilient in the long term.

1000/1000

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

The project will contribute to the EU Cohesion Policy by implementing renewable hydrogen technologies that support smart, inclusive and sustainable development, promoting innovation and research with increased local expertise, ensuring environmental sustainability by reducing emissions and improving air quality, and following the ambitious goals of the EU Green Deal to achieve a carbon neutral Europe by 2050. By promoting innovation in energy efficiency and the use of renewable resources, the project advances the vision of the Green Deal. The project strongly supports the EU energy strategy for fossil fuel reduction and the EU hydrogen strategy, accelerating the transition to clean energy and strengthening Europe's commitment to climate action. The adoption of renewable hydrogen is in line with the SDGs, in particular those related to clean and affordable energy (SDG 7), climate action (SDG 13) and industry, innovation and infrastructure (SDG 9).

960/1000

C.2 Project's overall objective

The project's overall objective is to improve the implementation of regional development policies in the field of Greener Europe (policy objective 2), 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 overall objective of PRHyUS is to advance regional policy frameworks in Europe to bolstering hydrogen demand, investment and use across various sectors and to facilitate a wide-ranging adoption of renewable hydrogen technologies (heavy industry, but also mobility, heating, and other possible applications). PRHyUS aims to directly address these challenges by refining policy instruments that accelerate industrial decarbonisation and improve energy efficiency through the use of hydrogen. Overall, the project strives to contribute substantially to achieving the EU's 'Greener Europe' goals by facilitating a wide-ranging adoption of hydrogen technologies, thereby ensuring a significant reduction in greenhouse gas emissions. This policy-driven approach will enable regions to transform their energy infrastructures, making them more sustainable and resilient in the long term.

883/1000

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.

[v1 | Open](#)

The innovative character of PRHyUS lies in its comprehensive and interdisciplinary approach. PRHyUS goes deeper by integrating renewable hydrogen solutions into the multifaceted networks of regional energy policies. The consortium presents a strong heterogeneity, with partners with experience in EU projects and partners with first experiences in EU projects, as well as partners with specific technical experience in the development of policy instruments and others with expertise in energy and hydrogen development technologies, circularity and industrial development. Furthermore, as stated in the European Innovation Scoreboard 2023, a triple helix of research and academic sector, private innovative sector and policy makers will improve cooperation and competitiveness towards innovation. Finally, the project addresses different Policy Instruments (7) related to strategic documents such as regional plans and strategies and technical ones such as action plans.

969/1000

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

-

1/1000

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?

The overall objective of PRHyUS is to advance regional policy frameworks in Europe to bolstering hydrogen demand, investment and use across various sectors and to facilitate a wide-ranging adoption of renewable hydrogen technologies, thereby bridging a policy gap that will make H2 technologies sustainable from a social, economic and environmental perspective.

Learning process

The main goal of the Learning Process is to develop an exchange of experience among the partners for the implementation of the 7 Policy Instruments addressed by the project. Through the activities proposed – Staff Exchanges, Interregional Exchange Session, Interregional Study Visit, Policy Exchange Visits, the implementation of the Policy Instrument will increase the capacities and the competences of people in Public Authorities. This will have a direct impact on the capacity of Public Authorities, NGOs, education and research institutions, which will expand their competences and improve knowledge towards citizens, industry and other stakeholders. Site visits will start from countries that are more virtuous and advanced in H2 development and then move to less developed ones to measure what they have learned.

Proposed activities

The activities proposed by the project will enable the partners able to learn and discover the H2 technologies, to transfer the acquired knowledge and to increase their competences within and outside the project. The activities and tasks are grouped according to: general tasks, technical tasks, Policy Instrument specific tasks.

The general tasks will concern the whole partnership and will deal with management and communication to guarantee a regular and efficient cooperation and interaction between the partners: meetings, Exchange of Experience, Staff Exchange, Regional SH Groups. Regione Campania as Lead Partner will lead and coordinate most of these activities, with the contribution and the support of FEEM, EARH, Centru and the involvement of the whole consortium. Technical tasks will increase the capacity and the specific knowledge of partners on H2 technologies through activities managed by the technical partners: Methodologies and background analyses, Industrial site assessments, technical reports, Policy Analysis Sessions, Strategic framework, guidelines, Cost-benefit Analysis, Comprehensive reports. These tasks will be led by FEEM with technical support from VUB with its strong expertise and long experience in the field, with the contribution and involvement of the whole consortium.

In the case of policy instruments, Partners with a PI and Associated Policy Authorities will be involved in the implementation, review and monitoring of their PI during the core and follow-up phases.

Stakeholder involvement

The initial phase of the project will involve mapping and engaging key stakeholders from all relevant sectors (identification and engagement): policy makers, industry leaders, researchers and community representatives. Ensuring a diverse and inclusive stakeholder group is crucial for comprehensive learning and uptake.

Regular communication (Communication Plan) through newsletters, interactive platforms, and social media ensures that stakeholders are kept informed and involved throughout the project lifecycle (engagement strategies). Stakeholders play a critical role not only in learning and initial implementation, but also in providing ongoing feedback. This feedback is systematically collected through surveys, interviews, and observation during field trials and other activities. This feedback is used to refine strategies and approaches, ensuring that stakeholders have a direct impact on the development and success of the project (implementation and feedback loops). This comprehensive approach will ensure deep engagement of all parties, fostering a supportive ecosystem for advancing hydrogen technology deployment and maximising regional benefits from mature hydrogen production capabilities.

3964/4000

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?

The main objective of the follow-up phase is to monitor the impact of the 7 policy improvements. The Learning Process will be characterised by the round tables with stakeholders of the Regional SH Groups and Follow-up meetings for ongoing collaboration and evaluation. Internal seminars, Regional SH, Staff Exchanges will also take place during this phase, as their continued involvement is crucial to ensure the long-term sustainability. This phase will also focus on integrating successful strategies into regional and national policy frameworks, working closely with government agencies and policy makers to embed improvements in hydrogen use into existing energy and environmental policies. Comprehensive reports will support the transfer of renewable hydrogen and the green energy transition to industry and policy makers. This dissemination aims to foster a wider understanding and acceptance of H2 technologies and their benefits for a greener, more sustainable Europe.

976/1000

C.5 Project indicators

Output indicators

Code	RC087
Title	N° of organisations cooperating across borders
Target	68

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	7

Code	O16
Title	N° of good practices identified
Target	46

Result indicators

Code	RII2
Title	N° of organisations with increased capacity due to their participation in project activities
	<div>47</div>
Performance (%)	69

Code	RI3
Title	N° of policy instruments improved thanks to the project

Performance (%)

100

C.6 Communication strategy

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

The PRHyUS communication strategy aims to raise awareness, change behaviour and disseminate knowledge across Europe on the importance of adopting renewable hydrogen technologies to achieve energy efficiency, decarbonise industry and reduce emissions. PRHyUS will achieve the communication objective through project activities such as workshops, internal seminars, staff exchanges, site visits and through specific communication activities.

439/500

Please describe the target groups of your communication strategy.

The PHRYUS project will address 4 target groups including: (i) regional policy makers within and outside the partnership; (ii) industrial sector stakeholders; (iii) academic researchers specialised in energy and renewable technologies; (iv) the general wider public interested in sustainable energy and technology innovation and affected by policy improvements. Through internal seminars and staff exchanges, regional groups will be coordinated to ensure higher involvement of above-mentioned TGs.

497/500

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

Communication tools will include: Communication Plan and Reports on communication efficiency; project and PPs' institutional websites with comprehensive information to ensure broad and effective communication to all target groups; newsletters, press releases, social media platforms, public meetings to engage local communities and gather feedback, visual content such as infographics and videos detailing project progress and insights.

436/500

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

Communication will be structured on a multi-level and multi-method basis, supported by external experts to ensure higher dissemination of PHRYUS results. Communication activities and social media will spread the engagement of industry stakeholders and policy makers. Possible KPIs: Website traffic, media engagement, participation in webinars and workshops, feedback from meetings. Digital and printed solutions will be developed to ensure the visibility and results of the project.

482/500

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 directly addresses sustainability by focusing on renewable hydrogen and aims to encourage the implementation of technologies and ideas that rely on this energy. The specific focus on renewable hydrogen also enhances the efforts to diversify the energy mix, thereby improving the resilience of economies to climate change, and also widens the range of possible energy sources, specifically tackling the decarbonisation of “hard to abate” heavy industries.

The positive contribution to the principle of sustainable development will take shape through the policy instruments addressed by the partners, both directly in their role as responsible authorities, and indirectly by supporting these responsible authorities in improving their policy instruments.

764/1000

Equal opportunities and non-discrimination

Type of contribution

Neutral

Description of the contribution

The project promotes innovation and implementation of renewable energy sources for the benefit of all people, without discrimination. In addition, the project will operate over a wide geographical area and involve people from different regions and cooperation areas, thus leading to cooperation between people from different backgrounds. The project will also do its best to enhance the full and positive participation of the various partners and stakeholders. Attention will be paid to the inclusion of all people in a respectful and inclusive environment.

557/1000

Equality between men and women

Type of contribution

Neutral

Description of the contribution

The project will ensure equal treatment of men and women in all the activities. It will also strive to create an environment in which both men and women can fully participate, contribute to the achievement of the objectives, and express their opinions.

252/1000

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 Lead Partner (LP) will ensure effective project coordination, management, communication and financial tasks by working with all partners on a daily basis to ensure that the PHRYUS objectives are achieved on time and with high quality. Due to the complexity of the partnership, the LP will also be supported by external experts to increase the efficiency of the coordination. The Project Steering Group (PSG), composed of one representative from each Partner and chaired by the LP, will be responsible for decision making and steering the implementation, including scope, schedule, budget baseline, quality assurance, risk management, stakeholder management & procurement schedule. Each Partner will appoint a representative to the PSG, which will meet every 6 months in parallel with the Project Partner Meetings (PPM). The LP will also appoint a Project Coordinator (PC), a Financial Manager (FM) and a Communication Manager (CM) to develop and oversee the financial and communication aspects respectively. The LP will be responsible for organising the PPM and PSG, managing all project documentation and reporting procedures, including the distribution of funds to partners. The LP's FM will handle financial reporting and ERDF funds, coordinating with controllers/auditors and partners. Partners will be subject to national first level control and will provide certified expenditure reports in accordance with procurement rules. Internal communication activities will be managed by LP through regular web calls and the Interreg Europe platform to keep track of project implementation. LP will also coordinate and monitor the overall development of the activities related to the Regional SH Groups: stakeholder training workshops and policy implementation of the partnership.

1782/2000

C.8.2 Day-to-day coordination

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

The Lead Partner will manage the day-to-day coordination of the PHRYUS project, ensuring the operational efficiency and compliance. The LP's tasks will include managing administrative tasks, facilitating communication between partners and monitoring the project progress, enabling the LP to steer the project towards its objectives and ensure continuous communication and collaboration between all SHs and target groups. The LP will assign tasks based on the PPs competencies, track deadlines and manage resources to ensure clear oversight of all project activities and outputs. Regular virtual and in-person meetings, held at least every six months, will address issues in a timely manner and keep partners focused on project objectives. Additional virtual meetings and bilateral calls could be organised to address urgent issues. The LP will conduct regular risk assessments to identify potential challenges early and develop mitigation strategies to keep the project on track and adapt to changes.

1000/1000

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 LP will ensure that reporting procedures follow Interreg Europe guidelines. Each Project Partner (PP) will receive a Project Management Toolkit (PMT) containing a budget form, financial reporting procedures, project templates, timeline and schedule. The PP's FM, supported by external experts, will manage the financial reporting and ERDF funds, coordinating with controllers/auditors and PPs. PPs will be subject to national first level control and provide certified expenditure reports in accordance with procurement rules. The PMT will be reviewed and approved by all PPs at the Kick Off Meeting and the reporting rules will be introduced and explained. At the end of each semester, the PPs submit their financial reports, which are reviewed by the LP to ensure that expenditure is in line with planned activities and timelines. Once approved, PPs submit their reports to their auditors/controllers. The LP ensures the submission of payment requests and transfers ERDF funds upon receipt.

995/1000

Will the financial management be externalised?

Yes

D Main policy instruments addressed

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Overview main policy instruments addressed

Number 1	Name of the policy instrument	Name of the policy responsible authority	Involvement of the policy responsible authority	Investment for Jobs and Growth programme	Country
1	PR CAMPANIA FESR 2021-2027, P.2, SO 2.1.1: Ecological upgrading of production processes and improvement of the energy sustainability of enterprises.	Campania Region	Partner	Yes	Italy (Italia)
2	Provincial Territorial Coordination Plan (PTCP)	Province of Mantua	Associated Policy Authority	No	Italy (Italia)
3	City Surrounding Concept Agreement on the basis of the industrial projects' establishment in the 'Energy Transition Cluster' of Heide region	Development Agency Region Heide	Partner	No	Germany (Deutschland)
4	Sustainable Energy and Climate Action Plan (SECAP) for the City of Bydgoszcz until 2030	City of Bydgoszcz	Associated Policy Authority	No	Poland (Polska)
5	Decarbonisation action plan that will be annex to SECAP 2020-2030 for City of Gradiška	City of Gradiška	Partner	No	Bosnia and Herzegovina
6	Regional Hydrogen Roadmap	Auvergne-Rhone-Alps Region	Associated Policy Authority	No	France (France)
7	Just Transition Programme 2021-2027, Priority 6 - Mitigating the socio-economic impact of the climate neutrality transition in Mureş County.	REGIONAL DEVELOPMENT AGENCY CENTRU	Partner	Yes	Romania (România)

Overview pilot actions

Number 1	Title	Policy instrument(s) concerned
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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.

In Campania, the industrial sector is pivotal, yet deeply impacted by the presence of a high density of traditional energy-intensive processes that significantly contribute to regional emissions. Its strategic geographic location facilitates energy transportation and distribution. Challenges include outdated production technologies and the high cost of transitioning to greener methods. Collaboration and supportive policies are key to reducing energy consumption, costs, and emissions, enhancing sustainability and competitiveness, and fostering economic development. Campania's rich presence of SMEs presents an ideal test-bed for piloting innovative energy solutions aimed at improving sustainability in energy production and transition processes. Thanks to hydrogen production and distribution, regional Industrial sector could count on additional, sustainable and efficient solutions to boost energy transition objectives and be more independent from traditional energy grid and sources. However, despite the potential, the region has not yet implemented a specific medium- and long-term plan for hydrogen promotion, limiting private sector investments. Addressing this challenge involves bolstering demand and utilization of hydrogen across various sectors, creating favorable conditions for the implementation of hydrogen technologies along the entire value chain, and overcoming sectoral barriers in the industrial sector to create local hydrogen ecosystems.

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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).

PR CAMPANIA FESR 2021-2027, P.2, SO 2.1.1: Ecological upgrading of production processes and improvement of the energy sustainability of enterprises.

148/150

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.

LP01 Campania Region

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

The action is aimed at the promotion of energy efficiency, sustainability and energy saving in enterprises, achieving an average reduction of at least 30% of direct and indirect greenhouse gas emissions in line with criteria supporting the objectives of combating climate change, through the energy requalification of production facilities and structures. Among others, the following will be financed: energy efficiency upgrading of structures (envelope, lighting etc.), introduction of energy-efficient devices and technologies and/or for the abatement of climate-altering gas emissions in production cycles, domestic remote control systems, also associated with interventions aimed at sustainability of the energy account (e.g. consumption rationalisation systems, production from RES for self-consumption); energy efficiency and reduction of climate-altering gases of companies operating in essential public services or utilities such as the integrated waste and water cycle (i.e. through inverter management of electromechanical devices in sewage treatment plants and aqueducts). Grants, financial instruments (FIs) and/or mixed options may be used to implement these investments. Without prejudice to the priority assigned to SMEs, it will also be possible, exclusively through FIs, to support enterprises other than SMEs that are highly energy-intensive, also because of their contribution to the achievement of greenhouse gas emission reduction target.

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D.1.1.3 Expected policy improvement

What type of improvement do you envisage for this instrument?

New projects financed by the instrument

Yes

Campania will improve its policy instrument by implementing new projects and calls for proposals for Regional SMEs and industries for hydrogen (H2) implementation initiatives. Protocols, procedures, guidelines and objectives of these projects will be part of PRHyUS outputs and will consist in the state of play and operational framework of new Regional Hydrogen Strategy. The strategy, drafted in the 1st project phase and finalized in M36, will be set on barriers investigation and analysis against hydrogen diffusion for local industry energy transition and will include guidelines and policies to support sustainable solutions for innovative systems. It will include recommendations for public policy makers and private investors to guarantee the durability, governance and economic sustainability of implemented projects and infrastructures. Solutions, new financial instruments targeting SMEs and policies will be derived from knowledge and best practices adaptation achieved from PPs. The Region will support beneficiaries, mostly SMES, by proposing different forms and combination of loans, grants and guarantees such as projects and measures for:

- renewable H2 use in hard-to-abate industry and in production processes;
- renewable H2 use for enterprises belonging to energy communities (CER) or H2 valleys, to encourage local production and consumption;
- collaboration between enterprises and public sector for the implementation local H2 (green) clusters, such as H2 valleys or CER.

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Change in the management of the instrument

No

0/1500

Revision of the instrument itself

No

D.1.2 Partner(s) addressing policy instrument 1

Partner

LP01 Campania Region

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

The Campania Region recently approved the PEAR (energy and environment plan). The plan moves from an energy policy whose driver of development was the "containment of consumption" of oil and derivatives to a policy of local energy production and "intelligent" energy distribution. Regarding energy production, Campania has a natural vocation for wind power. In fact, wind farms have been installed with a power equal to 15% of the entire national production capacity. With PEAR, the goal was to reduce the impact of large plants on the territory. Thanks to ERDF PR 2021/2027, a first call for proposal has already been published for projects that also include solar systems in industry: 198 companies have reduced emissions for a total of 100 million euros. To improve the energy mix, a second call for proposal was also published using PNRR resources to finance 6 hydrogen production plants in Campania for a total of 40 million euros. Campania is becoming an energy hub in southern Italy.

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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.

Hydrogen technologies are today mature. Nevertheless, regional, national and EU governments, as well as organisation and companies are still struggling to create the correct conditions for hydrogen economy to thrive. Challenges like the cost of green hydrogen compared to other fuels, the absence of international regulations and standards and the general public's acceptance of this new fuel source have not been solved yet. Some regions have significantly advance in the way they tackle these problems, adopting hydrogen strategies and creating hydrogen hubs. Campania region and the local stakeholders involved in the project will significantly benefit from the cooperation in PRHyUS by exchanging information with other policymakers, industry experts and communities that have already passed through similar challenges and have significantly advanced in the way hydrogen technologies along the full value chain are being implemented in the territory. Campania Region will be project leader.

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

NO

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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 12 entries.

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SMART POWER SYSTEM (energy district for renewable energy)

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ASI Salerno

11/300

ASI Napoli

10/300

ASI Caserta

11/300

ASI Benevento

13/300

ASI Avellino

12/300

SO.F.INVEST. S.R.L.

19/300

IGAT S.P.A.

11/300

F.M.C. S.R.L.

13/300

ENGIE SERVIZI S.P.A.

20/300

JCOPLASTIC S.P.A.

17/300

D.1.4 Pilot action under policy instrument

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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.

Province of Mantua (ProvMN) has 2.341 km² territorial extension and 412.292 inhab. It is responsible for planning and infrastructural development of provincial territory and related energy issues, and it acts as Port Authority for Inland Port of Mantua-Valdaro (tri-modal transports nodes and TEN-T Inland Core Port on Mediterranean Corridor). Nowadays Mantua is implementing Valdaro Port area with new industries, services and infrastructures, also belonging to energy efficiency like H2 Valley and thanks to EU projects (CEF) initiatives. However, H2 initiatives and infrastructures are not yet included in any policy and government instrument and transposed in Provincial Territorial Coordination Plan (PTCP). PTCP and its annexes has not transposed all solutions, guidelines and plans on hydrogen production, distribution and implementation that are still not capillary diffused in the area, due to an insufficient coordination and capacities among all levels of planning authorities and lack of final users involvement (industries, SMEs, associations). Challenges to overcome: lack of involvement of industries and SMEs with a participatory approach as key stakeholders in the planning process to implement H2 in Port areas, lack of knowledge and capacity of all planning responsible Authorities on innovative measures and models on H2 diffusion and implementation, Shortage of Good practices, planning and policy instruments on H2 implementation and diffusion in the province.

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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).

Provincial Territorial Coordination Plan (PTCP)

47/150

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...

Associated Policy Authority

Please select the authority responsible for this policy instrument.

Province of Mantua

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

ProvMN defines through the Provincial Territorial Coordination Plan (PTCP), according to regional law n.12 of 2005 "Law for the territory government", general objectives concerning the organization and protection of its territory in relation provincial or supra-municipal interests and in line with regional planning instruments. Current PTCP, last update in 2010, defines the strategical socio-economic planning measures and it regulates the landscape and environmental activities on provincial level. Concerning infrastructure, energy and environment, PTCP coordinates all local planning instruments, Territorial Government Plans (PGT–Municipality Plan), and it defines:

- criteria for infrastructure system implementation, such as connection, accessibility, quality, sustainability, innovation, by promoting existing infrastructures, and innovative initiatives;
- the general program of infrastructures, related to mobility energy and environment;
- the technological corridors where to create the infrastructures network of supra-municipal interest.

In PTCP integration in 2022, a special focus was given to the Valdaro Port area requalification, since it is included in a specific Masterplan for the spatial planning and regeneration of the provincial-level production hub of eastern Mantua, including restoration of polluted sites. PRHyUS will allow the PTCP update and its Masterplan, mainly on the diffusion of H2 in industry sector and area in Valdaro and in heavy freight transport.

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D.2.1.3 Expected policy improvement

What type of improvement do you envisage for this instrument?

New projects financed by the instrument

No

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Change in the management of the instrument

No

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Revision of the instrument itself

Yes

ProvMN will revise the PTCP supported by FEEM and in alignment with Regional authorities and municipalities, particularly Mantua, starting from the existing Master Plan and acting on provincial level. M v1 | Open

implementation areas of the PTCP will be the following:

- Adaptation of H2 current initiatives and projects such as Hymanovalley (h2 Valley in Mantua) and Connecting Eu facilities;
- Implementation of production areas, in particular Valdaro area, with efficient infrastructures of production and distribution of H2, by exploiting existing H2 production industries (i.e. SAPIO) and pipelines;
- Empowerment with H2 applications of non-electrifiable heavy freight transports and energy supply systems of existing industries and SMEs;
- Enhancement of H2 existing production sites and distribution systems (pipelines) for energy supply of Valdaro area;
- Integration of H2 systems in the overall energetic, environmental and economic system of Valdaro and Mantua territory

ProvMN will define a scenario and plans of the future application and implementation of H2 systems for production sites and transports initiatives by updating the Master plan (as an annex of PTCP) and consequently the PTCP itself. The masterplan and the overall revision of PTCP will be crucial tools to improve the energy balance and related infrastructures improvement to increase Valdaro Area and provincial territorial energy, transport and economic potential and synergies with supra-provincial infrastructure and services.

1497/1500

D.2.2 Partner(s) addressing policy instrument 2

Partner

PP02 Eni Enrico Mattei Foundation

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)?

FEEM and ProvMN, policy responsible, can count on a consolidated cooperation in the field of energy, such as projects, educational and training activities, and training materials on energy production systems. Thanks to the experience gained in Technologies for the Energy Transition (TET) research programme, FEEM will analyse social and economic aspects of technological innovation in the energy sector. FEEM, with its consolidated skills and competencies (i.e. NAHyS), will support ProvMN, in the definition of scenarios, plans and infrastructures for H2 systems integration in the overall Province of Mantua energetic, environmental and economic ecosystems for the revision of PTCP and related MAsterPlan. FEEM will catalyse and stimulate the cooperation of local and international stakeholders about H2 in Mantua areas. Finally, it will support ProvMn in collecting data, good practices and relevant interregional experiences in the field of H2 to be implemented in Valdaro and in the Province.

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

Fondazione ENI Enrico Mattei conducts independent high-quality research in different fields, including energy, addressing the world's greatest challenges to foster a widespread understanding of global issues among stakeholders and to contribute to policy engagement. Their studies focus on different subjects, such as natural resources, oil and gas, social sustainability, climate change economics and policy. Fondazione ENI Enrico Maffei started has great experience in energy transition issues, particularly in hydrogen production and diffusion. FEEM research aim to find adoptable and applicable strategies in different nations such as NAHyS – Analysis of national hydrogen strategies - NAHyS", belonging to TET programme. The experience gained in NAHyS will be applied to Province of Mantua context to evaluate and improve H2 scenarios and plans in the field of industry.

875/1000

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.

Fondazione ENI Enrico Maffei will benefit from the project since it will consolidate its expertise and enlarge its knowledge thanks to consortium exchange of experiences, above all on technical and socio economical aspects of H2 diffusion in industrial areas and provincial territories. Its increased knowledge and capacities will be also affecting Province of Mantua staff, municipalities and stakeholders thanks to the active involvement of all relevant actors in all project phases. FEEM will have the opportunity to enlarge its network and enhances competences in the planning and policies experience in relation to H2 diffusion, and H2 valleys.

649/1000

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

NO

2/1000

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 10 entries.

Chamber of Commerce of Mantua
29/300
A.G.I.R.E srl
13/300
Province of Mantua
18/300
Lombardy Region
15/300
Municipalities of Mantua
24/300
Renovo Spa
10/300
Enipower Mantua
15/300
Sapio srl
9/300
Propeller
9/300
Italian Ministry of Infrastructure and Transport and Energy
59/300

D.2.4 Pilot action under policy instrument

v1 | Open

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.

The City Surrounding Concept has been in place since 2013 and has already been updated in 2020 and 2024. The ever shorter intervals between the updates show the rapidity of the change in the region.

By now, various hydrogen projects developed in Heide region show that this territory is able to produce and consume a wider range of hydrogen through a common understanding and concerted action in the region. To do so, technical partners, such as the administrations, as well as citizens are needed.

In comparison to large-scale industrial projects, a higher level of visibility can be reached with less effort, especially thanks to public institutions. This may increase transformation's acceptance from public in its different applications.

Between projects and measures in need of coordination there are hydrogen training programmes (schools, research), as well as water supply, which needs to be planned, since extraction from groundwater is no longer possible for large-scale hydrogen production.

Moreover, administrations need to learn and develop permission processes for hydrogen applications and companies need to be motivated to lead the way – also in terms of economic risks.

1199/1500

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).

City Surrounding Concept Agreement on the basis of the industrial projects' establishment in the 'Energy Transition Cluster' of Heide region

142/150

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 Development Agency Region Heide

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

The city of Heide and the eleven municipalities belonging to the KLG Heider Umland office has implemented since 2013 a cooperation model that has attracted nationwide attention. The framework conditions created have already led to a far more positive development than expected in recent years (e.g. positioning as an energy region). 'Hydrogen economy' and the battery cell manufacturer boast considerable synergies. Furthermore, infrastructure and energy potential along the west coast can play a key role in the success of the energy transition throughout Germany. The structural change in all sectors is accompanied by opportunities for the entire region. They extend into all urban and rural developments.

The following objectives of this concept are:

- Development of an intermunicipal commercial and industrial site
- Integration of a multi-terminal hub that will turn the region into Germany's energy hub
- Development of an energy transition and PtX cluster
- Development of necessary supplementary commercial sites
- Driving forward hydrogen economy projects and providing suitable framework conditions for network partners
- Integrative examination of regional benefit-burden sharing and new financing models for financing follow-up costs
- Organisational framework conditions for securing skilled workers
- Support for education, training and further training as well as transfer services between education, business and start-ups

1424/1500

D.3.1.3 Expected policy improvement

What type 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

With the integration and design of the topic of hydrogen, City Surrounding Concept will also be decisive for the field of economic development. There will be a change in the management for the implemented Stakeholders.

218/1500

Revision of the instrument itself

Yes

The City Surrounding Concept, our Policy Instrument, needs to be expanded to include the topic of hydrogen and energy efficiency. So far, hydrogen has only been mentioned as its key project. The aim of this project is to anchor the issue of hydrogen in strategy and public action by comprehensively integrating issues in the region, including at administrative level. Because of this, in addition to possible peer reviews by the partner regions, participation formats for the involvement of relevant stakeholders are going to be used. Once drafted, the new version / supplement of the Policy Instrument is signed in writing by the mayors and responsible stakeholders.

667/1500

D.3.2 Partner(s) addressing policy instrument 3

Partner

PP03 Development Agency Region Heide

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

The expertise in the innovation field of "integrated energy transition" has been successfully built up and tested over the last few years. The innovative network, which has been successfully expanded via IN-ENTREE100 and IN-ENTREE 2.0, consists of over 150 partners from all sectors, from research institutions to technology providers. In addition, the CAMPUS100 project (foundation of the Institute for the Transformation of the Energy System) and the Digital Learning Campus of the West Coast University of Applied Sciences have also been developed. This provides a good, stable basis for further projects in the energy sector that can be viewed holistically.

662/1000

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.

With the current large-scale establishment of Northvolt and the ongoing hydrogen projects WESTKÜSTE100 and HyScale100, the Heide region is a good example of a regional energy transition. A number of measures have already been implemented and a large network has been established in this area, but we are still at the very beginning of development in the field of hydrogen. With onshore and offshore wind turbines and photovoltaic systems, we have large amounts of green energy at our disposal. It is more of a rural region with large open spaces. Thanks to our proximity to the North Sea coast, we have a water supply for large-scale consumers. All the components required for hydrogen production and storage (Salt caverns) as well as a good infrastructure are available at our site, providing a perfect basis. With this cooperation, Development Agency Region Heide (EARH) will for the first time include hydrogen in the strategic policy instrument together with possible key projects.

985/1000

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

Development Agency Region Heide is submitting to an Interreg Europe Peer Review, starting next autumn, regarding regional development in the field of large-scale settlement of a battery cell manufacturer. Development Agency Region Heide will work on this project in partnership with other regional stakeholders in order to cover the whole territory. With stakeholders' support, Development Agency Region Heide is going to work on ideas and solutions for our region and develop a structure for the next steps.

508/1000

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.

Amt Heider Umland (administrative office Surrounding communities)

65/300

Stadt Heide (City of Heide)

27/300

Kreis Dithmarschen (District of Dithmarschen)

45/300

Industrie- und Handelskammer (Chamber of commerce)

50/300

Raffinerie Heide GmbH (Heide refinery)

38/300

H2Core Systems GmbH

19/300

Stadtwerke Heide GmbH

21/300

Tennet GmbH

11/300

Schleswig-Holstein Netz AG

26/300

Fachhochschule Westküste (University of applied science Heide)

62/300

D.3.4 Pilot action under policy instrument

v1 | Open

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.

Bydgoszcz, in the north of Poland, is committed to sustainable energy and climate initiatives through its SECAP. The city is promoting renewable energy and energy efficiency, particularly in its industrial sector, which has significant potential for hydrogen technology. Recent advances in hydrogen production are promising for Bydgoszcz's industrial base. The city's diverse heavy industries are crucial for the implementation of H2 technologies to reduce emissions. The city's involvement in EU-funded projects demonstrates its commitment to sustainable energy solutions. Challenges:

- Developing infrastructure for H2 production, storage and distribution.
- Stimulating industrial demand requires technological adaptation, investment and policy support.
- Reducing production costs and creating a favourable market for H2-based solutions.
- Strengthen policies for H2 deployment.
- Awareness raising and training of stakeholders.

Hydrogen use is also included in the city's Electromobility Development Strategy until 2030, which aims to reduce the negative impact of the transport sector. The document states that the introduction of hydrogen buses in public transport will require investment in refuelling stations and the purchase of fuel from external suppliers. Bydgoszcz has also received EUCF funding to develop a concept for solar energy production from PV farms together with a H2 production system for bus transport. The concept supports SECAP measures and enables Bydgoszcz to reduce emissions.

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).

Sustainable Energy and Climate Action Plan (SECAP) for the City of Bydgoszcz until 2030

87/150

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...

Associated Policy Authority

Please select the authority responsible for this policy instrument.

City of Bydgoszcz

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

The main objective of the Bydgoszcz Sustainable Energy and Climate Action Plan (SECAP) is to improve energy efficiency, reduce GHG gas emissions and promote sustainable energy practices in the city. The implementation of the measures will enable the city to reduce 40% of emissions, in line with the goals of the Covenant of Mayors on Climate and Energy. SECAP includes several actions targeting different sectors, including public, residential, transport and industrial sectors. The plan is based on data analysis, including baseline emissions inventories, to identify key areas for action and track progress. It involves collaboration with local SHs, including government agencies, businesses and the public, ensuring a participatory approach to sustainable development. Measures addressed:

- Building retrofits in residential and public buildings, including insulation, window replacement and energy efficient lighting,
- industrial optimisation by reducing energy consumption and emissions in industrial processes
- Expanding and modernising the public transport system to include electric and hydrogen buses and improving infrastructure for non-motorised transport.
- Awareness and education: Campaigns and programmes to raise awareness of energy conservation and climate change among citizens and businesses.

By focusing on these objectives and actions, Bydgoszcz's SECAP aims to create a sustainable, low-carbon city while improving the quality of life for its residents.

v1 | Open

1481/1500

D.4.1.3 Expected policy improvement

What type 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

Proposed changes in the management of the instrument:

Set up a specialized team within the city administration responsible for overseeing the integration of hydrogen technologies into the SECAP.

Set up an Advisory Board including experts in energy, industrial processes, hydrogen technology, finance, and policy, representatives from local government, industry, academia, and non-governmental organizations.

Foster closer collaboration between the public sector, private companies, and research institutions to drive innovation and investment in hydrogen technologies.

Regular meetings and workshops with industrial stakeholders, utility providers, and community groups to gather input, address concerns, and build consensus on hydrogen initiatives.

Ensure transparent reporting of progress and outcomes to all stakeholders, including the public, through regular updates and comprehensive annual reports.

Create platforms for knowledge sharing and best practices dissemination among cities, industries, and institutions engaged in hydrogen projects.

By implementing these management changes, Bydgoszcz can more effectively oversee the integration of hydrogen technologies into its SECAP. This will enhance the city's ability to improve energy efficiency and reduce greenhouse gas emissions, particularly in industrial sectors, while also promoting sustainable practices in mobility and heating.

1396/1500

Revision of the instrument itself

Yes

Focus on 'Hard to Abate' Sectors. Target heavy industrial sectors in Bydgoszcz for the implementation of hydrogen technologies. This includes enhance relevant actors to replace conventional fossil fuels with hydrogen in processes of energy-intensive industrial activities.

Explore the possibility use of hydrogen in mobility sector and residential/commercial heating systems.

Design and study the feasibility of financial incentives, subsidies, and grants for businesses and public institutions adopting hydrogen technologies. This could include tax breaks, low-interest loans, and direct funding for infrastructure projects.

Develop regulations that facilitate the safe and efficient use of hydrogen. This could include standards for hydrogen production, storage, and use, as well as safety protocols and guidelines.

Establish principles of cooperation with industrial stakeholders to understand their needs and challenges, ensuring that the hydrogen solutions provided are practical and beneficial. Develop educational campaigns to inform the public and businesses about the benefits of hydrogen technology.

By revising the SECAP to include these elements, Bydgoszcz can significantly enhance its energy efficiency and reduce greenhouse gas emissions through the innovative use of hydrogen technologies. This comprehensive approach will not only address the current needs of the industrial sector but also set a foundation for sustainable energy practices in mobility and heating.

v1 | Open

1483/1500

D.4.2 Partner(s) addressing policy instrument 4

Partner

PP04 Association of Municipalities Polish Network "Energie Cités"

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)?

PNEC has a close collaboration with Bydgoszcz, the authority responsible for the policy instrument. City's longstanding membership in PNEC confirms their commitment to work together. This partnership of Bydgoszcz and PNEC, evidenced by their joint projects and the city's proactive stance on energy efficiency, strengthens the city's capacity to shape and implement effective energy policies. Furthermore, PNEC's involvement in developing and updating the SECAP in 2023, underscores its integral role in enhancing the city's strategic approach to sustainable energy and climate action. Leveraging PNEC's expertise and collaborative efforts will enable Bydgoszcz to further refine and optimize the SECAP document, ensuring alignment with best practices and innovative solutions. Thus, PNEC's role is crucial in supporting Bydgoszcz's efforts to improve their sustainability and achieving project goals.

901/1000

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

PNEC competences and experience in enhancing energy efficiency and reducing GHG emissions through innovative H2 technologies:
Sustainable energy planning: promoting energy efficiency and renewable energy sources;
H2 technology expertise: supporting the adoption of innovative energy solutions;
Industrial sector: extensively work with local authorities and indirectly with industries to develop and implement strategic energy plans;
Capacity building: knowledge and skills enhancement of local authorities in energy management and planning, crucial for integrating H2 technologies in industrial processes;
Project implementation: over 60 projects related to sustainable energy and climate protection, including those aimed at reducing emissions;
Event organization: over 200 conferences and workshops to disseminate best practices and foster innovation in energy efficiency and emission reduction;
Policy and funding support: supporting municipalities in identifying funding for energy projects.

995/1000

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 involvement in this project will enhance PNEC's expertise in innovative hydrogen technologies. This knowledge will be invaluable for future initiatives aimed at reducing greenhouse emissions and improving energy efficiency. By working closely with European partners, the partner will gain insights into best practices and advanced technologies, which can be transferred to local context of member cities, improving e.g. sustainability strategies.
The collaboration will expand the partner's network, fostering relationships with key stakeholders in the energy sector, including industry leaders, policymakers, and academic institutions. This can lead to future project opportunities.
Overall, the cooperation will not only advance the partner's technical capabilities and strategic position but also amplify their impact on promoting sustainable energy solutions and reducing carbon emissions.

898/1000

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

PNEC is involved in one ongoing Interreg Europe project (DAPHNE focused on decarbonizing healthcare sector; 1.04.2024-31.03.2028) and one other proposal on mitigating GHG emissions resulting from the use of electronic data by SMEs and wider community. This involvement is well-justified due to significant synergies and knowledge transfer opportunities. Those projects aim to enhance energy efficiency and reduce emissions, allowing to apply best practices across sectors. This broadens PNEC's expertise, builds capacity, and maximizes impact on EU-wide decarbonization efforts. Additionally, it ensures efficient use of resources and encourages continuous innovation. By participating in multiple projects, PNEC can deliver more comprehensive and sustainable energy solutions, influencing policy and advocating for effective measures at regional and European levels, while ensuring the engagement of appropriate staff resources at each stage of the projects as needed.

970/1000

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 8 entries.

Municipal Water and Sewerage Company

36/300

Municipal Transportation Company

32/300

Municipal Roads and Public Transportation Board

47/300

Department of Ciry Investments

30/300

Department of Sustainable development and Environment

53/300

City of Bydgoszcz

17/300

Energy Management Team

22/300

Municipal Thermal Energy Company

32/300

D.4.4 Pilot action under policy instrument

v1 | Open

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.

The Municipality of Gradiška has adopted the Development Strategy for the City of Gradiška 2021-2030 with competencies in the Sustainable Energy Action Plan (SEAP 2012-2020, SECAP 2020-2030). The City is also a member of the European cooperation movement The Covenant of Mayors and CIVINET. By signing the Covenant of Mayors in 2011, the City became actively involved in implementing measures to fulfil the EU's vision on climate and energy. The signatories of the Covenant share a common vision to ensure the decarbonisation and resilience of cities where their citizens have access to safe, sustainable and affordable energy for all. Signatories are committed to reducing CO2 emissions by at least 40% by 2030 and increasing the resilience of cities to the impacts of climate change. Institutional actors will be supported to improve the energy transition, including vulnerable groups who can adapt and use it as an opportunity for growth: capacity building processes can be well implemented to connect with global best practices in this area to design participatory and gender-responsive models that enable universal access to sustainable energy. The aim is to empower the general public to advocate and ensure that the Just Transition mechanism is fully implemented by institutions for the benefit of all. First steps will be taken to implement a just transition that will ensure the transition to a low-carbon economy and the implementation of the NDC in Gradiška.

1469/1500

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).

Decarbonisation action plan that will be annex to SECAP 2020-2030 for City of Gradiška

86/150

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.

PP06 City of Gradiška

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

With this initiative, Gradiska aims to develop a decarbonisation strategy for the city of Gradiska, which will provide the basis for the future development of a sustainable and green city. This process will focus in particular on reducing the environmental impact associated with business operations and value chains. In addition, at least five companies from Gradiška will be involved in this policy instrument, helping them to emerge from the crisis with smart solutions. The Gradiška documentation aims to establish sustainable approaches for future business operations through a pilot - implementation of specific short-term interventions that will contribute to the decarbonisation of their business operations. The introduction of new business models or practices means not only minimising the impact on the environment, but also positive economic and social impacts, leading to sustainable growth and expanded business opportunities, even in times of crisis. The intervention will also contribute to the range of ideas and concrete actions and scalable innovative solutions of small and medium-sized enterprises. These actions would contribute to decarbonisation and point the way to the central goal of the decarbonisation strategy - achieving net zero emissions and stabilising climate change. The intervention will also contribute to the range of ideas for improving air quality, which is another development issue in the country.

v1 | Open

1440/1500

D.5.1.3 Expected policy improvement

What type 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

Currently the PI SECAP 2020 - 2030 for the area of the Municipality of Gradiška does not include in-depth analysis for decarbonisation measures, especially when we talk about the industrial sector, and it does not define concrete measures for decarbonisation of companies that have a polluting effect through their work. Through the development of the Decarbonisation Action Plan, which will be an annex to the SECAP 2020 - 2030, the Municipality of Gradiska will prepare an in-depth analysis of the current state of the industrial sector and set out the actions we will take in a defined period of time, starting our next steps on an urgent but decades-long journey towards net zero, with a focus on local companies. We will work closely with government, industry and consumers to do this at the lowest cost. Our approach will evolve and we will develop new policies and programmes as opportunities arise.

907/1500

Revision of the instrument itself

No

0/1500

D.5.2 Partner(s) addressing policy instrument 5

Partner

PP06 City of Gradiška

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

The City of Gradiška already has experience in strategy development, action planning and implementation of various projects. The City Administration also has experienced staff for PCM, for strategy development, experts from different fields, such as analysts, EE managers, employed in the City Administration, who were certified within the project established by the GIZ project.

379/1000

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 City of Gradiška as a project partner already has a base of experience, knowledge and experts gained through the implementation of various projects in the last 5 years. Thanks to this project there will be a direct impact on our own resources. New knowledge and experience will be gained in the field of facilitating competence for a wide adoption of hydrogen technology as well as in the field of improving the implementation mechanisms, thus promoting a wider adoption of hydrogen from heavy industry to mobility, heating and other possible applications.

560/1000

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

NO

2/1000

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 7 entries.

NGO Green Oak

13/300

NGO Mreža Mira

14/300

CIVINET NETWORK

15/300

Ministry for Energy and Mining of Republic of Srpska

52/300

Fund for environmental protection and energy efficiency of Republic of Srpska

77/300

The City of Gradiška's Economic Council

39/300

Development agency of Gradiška

30/300

D.5.4 Pilot action under policy instrument

v1 | Open

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.

While the production, distribution and use of renewable hydrogen for mobility has been at the top of the policy instrument since the late 2010s, the use of hydrogen for the decarbonisation of heavy industry has always been on the margins of the policy instrument. It is included, but there are not many concrete actions. The aim is to develop complementarity between the uses of hydrogen and to demonstrate that heavy industry can be valuable in a renewable hydrogen ecosystem. However, there are some challenges to overcome. Firstly, it may be difficult to add new players to the ecosystems that are being developed. At present, the hydrogen ecosystem in this field is mainly focused on mobility and the integration of heavy industries could be difficult from a geographical and organisational point of view. Secondly, it will be necessary to ensure that some heavy industries are ready to embrace change and look for opportunities in the use of hydrogen to decarbonise their activities.

991/1500

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).

Regional Hydrogen Roadmap

25/150

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.

Auvergne-Rhone-Alps Region

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

The general objective of the policy instrument is to create a hydrogen hub in the Auvergne-Rhône-Alpes region.

The policy is divided into 6 axes:

- Development of the regional ecosystem
- Development of territorial and sectoral ecosystems
- Supporting the creation of energy infrastructures
- Support the economic development of the sector
- Supporting and accelerating R&I
- Support the development of international trade

The policy text was written by the Auvergne Rhône-Alpes Region in 2020 with the support of three clusters: Tenerrdis, Axelera and Cara. It is implemented on an annual basis through agreements between the three clusters and the regional authority. They agree on activities (mapping, participation in international events, working groups, ...) and on events they will organise during the year to support the development of hydrogen in the region. Each year, new themes are explored (trucks, hydrogen for water transport...).

936/1500

D.6.1.3 Expected policy improvement

What type 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

The instrument can be improved in particular by integrating new uses for renewable hydrogen. So far, the policy instrument has focused mainly on hydrogen for mobility, but not so much on hydrogen for heavy industry. This project would bring in some external expertise and good practices, allowing the policy instrument to be modified to integrate new aspects of hydrogen use. In addition, hydrogen as an energy vector is still maturing. The market, the uses, the production, the distribution, the storage, ... are still uncertain and being part of this project will allow Tenerrdis to learn more about this evolution and this will be an opportunity to bring this experience into the policy instrument to help it adapt to the evolution of the hydrogen sector.

759/1500

D.6.2 Partner(s) addressing policy instrument 6

Partner

PP08 Tenerrdis

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)?

Tenerrdis is a "pole de compétitivité" which means that it is acknowledged and subsidised by the Region and the State to reach its goal of supporting innovation in the regional ecosystem of energy transition.
On top of this goal, Tenerrdis, along with two other "poles de compétitivités" from the Auvergne Rhône-Alpes Region have been working, with the Region on a hydrogen roadmap (the policy instrument addressed in this project) since the late 2010's. First, they developed the roadmap together. Since then, an annual roadmap has been agreed, filled with activities and events to be organised by the Region and the competitiveness poles. Tenerrdis is fully involved in this regional hydrogen roadmap, giving its opinion on the policy and the actions that should take place. For example, this year there is a focus on maritime transport with hydrogen and Tenerrdis, together with another pole de compétitivité, CARA, was at the origin of this.

944/1000

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

Tenerrdis has been involved in the regional policy determination being active at the regional level to promote renewable hydrogen and the H2 regional ecosystem through events, working groups, mapping. Tenerrdis is an active member of France Hydrogen and participates in events and meetings of the regional and national hydrogen networks.
Tenerrdis has several organisations (SMEs, large groups, research centre) focused on hydrogen and the cluster supports their development, their projects and encourages the exchange of experiences and good practices.
Tenerrdis is a partner in two projects focused on hydrogen: IMAGHyN (Horizon Europe project focused on the development of a hydrogen ecosystem on the territory) and AMETHyST (Interreg AS to support the development of mountain hydrogen ecosystems).
Tenerrdis is part of the Clean Hydrogen Partnership (as a project partner of the IMAGHyNE project), the Hydrogen Valleys S3 Partnership and the European Clean Hydrogen Alliance.

982/1000

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.

This cooperation will allow us to gain in legitimacy on this subject in front of our members, of industrial actors and of our other partners.
It will reinforce Tenerrdis role at regional level on renewable hydrogen issues. The cluster will be also able to reinforce its positioning within Europe on hydrogen and reinforce its collaborations for itself but also for its members.
All this will facilitate the position of Tenerrdis as a support organisation on hydrogen to encourage the emergence of new projects between industries at regional level.

549/1000

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

no

2/1000

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 6 entries.

Auvergne-Rhone-Alps Region

26/300

Ugitech

7/300

VICAT

5/300

Osiris

6/300

ARKEMA

6/300

LAFFARGE

8/300

D.6.4 Pilot action under policy instrument

v1 | Open

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.

The use of green and clean hydrogen in the industrial, transport and energy sectors is one of the priorities to be achieved in the Centru region of Romania within the framework of the Just Transition Programme. According to the National Hydrogen Strategy and Action Plan for Romania, an essential vector in the energy transition process, the gradual transition to the use of green and clean hydrogen in the industries that already use hydrogen will be stimulated through consumption support schemes and in new industrial applications needs to be introduced.

557/1500

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).

Just Transition Programme 2021-2027, Priority 6 - Mitigating the socio-economic impact of the climate neutrality transition in Mureş County.

140/150

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

National

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.

PP09 REGIONAL DEVELOPMENT AGENCY CENTRU

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

The Just Transition Fund (JTF) supports the territories most affected by the transition towards climate neutrality to avoid increasing regional disparities, in line with the EU Cohesion Policy objective of reducing regional disparities and addressing structural changes in the EU. In RO, the JTF is implemented through the Just Transition Programme 2021-2027 (JTP), which has a financial allocation of €2.53 billion (€2.139 billion FTJ + €391 million national contribution). The JTP aims to support the mitigation of the socio-economic impacts of the transition to climate neutrality for each of the 6 countries identified as eligible. The overall objective of the programme is to support environmentally sustainable economic diversification, with a focus on the productive small and medium-sized enterprise sector, including women's entrepreneurship, in order to increase the competitiveness and capacity of the affected local economies to create sustainable and secure jobs and attractive wage levels. The Programme for a Just Transition (PTJ) is structured around six priorities, each dedicated to one of the six areas identified as eligible for funding under the Just Transition Fund, and a technical assistance priority with a specific financial allocation. Centru's priority is the 6th "Mitigating the socio-economic impact of the transition to climate neutrality in Mureş County".

1387/1500

D.7.1.3 Expected policy improvement

What type 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

RDA Centru is an Intermediate Body for the policy instrument addressed within this project – Just Transition Programme 2021/2027 OP Centru, Priority 6 – Mitigation of the socio-economic impact of the transition to climate neutrality in Mureş County and is responsible for its management and implementation together with the Ministry of Investments and European Projects. Taking into account that this policy instrument supports the gradual transition to the use of green and clean hydrogen in the industries that already use hydrogen, through consumption funding schemes and the introduction of schemes to stimulate the use of hydrogen in new industrial applications, RDA Centru aims to integrate the experience gained in this project into the guidelines for the upcoming call for proposals launched under Priority 6.

817/1500

Revision of the instrument itself

No

0/1500

D.7.2 Partner(s) addressing policy instrument 7

Partner

PP09 REGIONAL DEVELOPMENT AGENCY CENTRU

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

Besides its role as the Intermediate Body for the Just Transition Programme and Managing Authority for the Regional Operational Programme, RDA Centru is the sole legal entity responsible for implementing the regional development policies in Centru Region, RO, is in charge of drafting & monitoring the Regional Development Plan, the Regional Smart Specialization Strategy; managing EU grants allocated for regional development; supporting the business community; interregional cooperation and partnerships development for policy improvement and knowledge diffusion. RDA Centru is an operational and effective player in the regional business and innovation ecosystem and has a strong network of partners and stakeholders along QH (chambers of Commerce, technology parks, universities, clusters, academia, SMEs, public authorities etc.) and collaborates with local/regional stakeholders to assess the existing regional policies, collect the needs and develop action plans for improving these policies.

999/1000

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.

RDA Centru will benefit from the cooperation through GPs and the exchange of know-how with other PPs. Within this project, we aim to work together with other EU regions in order to identify, benchmark and transfer appropriate solutions to support the gradual transition to the use of green and clean hydrogen in the industries that already use hydrogen from Centru Region (Azomures) Through the GPs and know-how transfer, we aim to improve the policy instrument available at the regional level in order to ensure better financing the industry by ensuring a solid legal framework (JTP P6,, RIS3 Centru),. Through this project, we also aim to create the premises for interregional partnerships and to promote the GPS through our stakeholder network.

749/1000

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

RDA Centru is the sole authority in charge of regional planning in Centru Region Ro, it is also the Managing Authority for the Centru Region Programme 2021-2027 and the Intermediate Body for the Just Transition Programme, thus it is involved as a PP in 2 IE projects funded under the 1st Call, each addressing different themes and policy instruments:

- ORIGINN - an IE project aiming to improve the Centru Region Programme, Priority 1, Action 1.1 .1- industrial transition in areas of smart specialisation (with a focus on the agri-food sector) by supporting innovation and the creation of new economic and social opportunities.
- CHERRY - an IE project aiming to increase the contribution of cultural and creative industries to the growth of the local economy, social inclusion and innovation, taking into account the double transition: green and digitalThe project addresses Centru Region Programme, Priority 1, Action 1.2.1.

928/1000

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 6 entries.

George Emil Palade University of Medicine, Pharmacy, Sciences and Technology

76/300

Ministry of Investments and European Projects

45/300

TIRGU MURES MUNICIPALITY

24/300

MURES COUNTY COUNCIL

20/300

AZOMURES SA

11/300

Transilvania University of Brasov

33/300

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

Day 1: KoM in Naples, hosted by the LP Campania Region on:

Communication Strategy

Setting up the SG

Review and approval of the Project Management Toolkit

Days 2-3: Site visit at the H2 valley of Battipaglia, hosted by JCOPLASTIC S.p.a.

- guided tour of the H2 Valley in Pianodardine hosted by FMC S.r.l.

- guided tour of the HZEB in the province of Benevento

- Panel discussion with experts, industry representatives, policymakers and community members. Q&A session.

The LP will coordinate with Centru and EARH to establish Regional Stakeholder Groups (RSGs) for each Policy Partner (PP) dealing with policy instruments (PI). Organisation of SH consultations to to gather feedback on policy revisions, targeting high emission industries for the transition to renewable hydrogen in local districts.

Krakow: First Interregional Policy Exchange workshop on the current state of policy making, regional industrial frameworks and socio-economic aspects to prepare the macro-regional methodology that will model the prospective deployment of H2 at regional level. PNEC and Centru will coordinate the learning sessions, while FEEM and EARH will develop methodologies based on a comprehensive review of existing territorial PIs related to industrial emissions and H2 technologies, including analysis of the effectiveness of current policies, identification of best practices and definition of key parameters for assessing policy interventions.

Day 2 in Krakow: 2nd PP meeting organised by PNEC. An online interregional Review Committee (RC) will be established, consisting of representatives from each RSG and experts in energy, industrial processes, H2 technology, finance and policy. The RC will evaluate the Good Practices (GPs) based on their relevance, impact, innovation, scalability and potential for knowledge transfer. FEEM will coordinate the finalisation of the territorial context analysis, while PNEC will outline the process and criteria for the selection of local, regional and national GPs. A draft methodology will be subject to online peer review and expert feedback will be presented by FEEM and EARH to the SHs for validation, with technical assistance from VUB and support from the LP. Knowledge sharing sessions within each PP and RSGs will identify local GPs for proposal (at least 2 per PP).

The methodology will then feed into a Cost-Benefit Analysis (CBA) to assess the environmental, social, and economic costs of implementing H2 technology. FEEM will conduct financial modelling to assess costs and benefits, while PNEC will capture non-monetary impacts through SH interviews and surveys. Supported by technical partners and the LP, FEEM will prepare the CBA, including data collection, analysis using specific modelling software (Enerdata, Oxford Economics, Plexos) and presentation of the draft report to the RSGs for validation and feedback.

LP participates in LP Workshop by EU Interreg Programme for knowledge exchange with other PPs.

Six-monthly progress report.

2994/3000

Communication

LP will be responsible for the PHRYUS communication strategy and will draft the communication plan with the contribution of PNEC. The annexed the Report on communication efficiency will envision frequent updates and reporting mechanisms to ensure effective collaboration between partners.

Each PP will create A3 size posters with project info in English and national language (LP coordination).

Both will deal with the implementation of the official project website, provided by the Interreg Programme. All PPs will also publish information about the project also on their official websites and social channels.

PNEC will provide an overview of the introductory video with the aim of presenting the project, highlighting its goals, significance and expected outcomes.

A transnational conference and a media briefing will be organised to present the project to the public.

The first newsletter will be prepared by LP and PNEC and sent to all PPs, who will deliver it to their relevant stakeholders.

997/1000

Management

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

N° of interregional policy learning events organised

v1 | Open

1

N° of good practices identified

18

Semester 2 (Core phase)

Exchange of experience

The 3rd PP meeting will take place in Heide, hosted by the PP EARH:

- presentation of the approved methodology that will be used to prepare the CBA;
- presentation of the selected GPs which will be further evaluated and finalised;
- outline the guiding principles and strategies that will underpin the Guidelines.

Day 2: site visit to the Clean Energy Valley Schleswig-Holstein hosted by PP EARH:

- Visit to the inter-municipal industrial poles.

-Peer review on exploiting geographical advantages and translating them into sustainable economic value creation through the production, processing and use of hydrogen along the value chain. Q&A session with local SHs involved in hydrogen projects WESTKÜSTE100 and HyScale100 for synergies and capitalisation activities.

Day 3: Winter School in Heide (with the support of LP): focus on models of joint regional development planning: "How to build an active energy transition region".

- Breakout sessions with policymakers, regulatory authorities, industry representatives, experts and community members from the municipalities belonging to the KLG Heider Umland office.

Divided into 4 groups, the PP will carry out a detailed SWOT analysis within their assigned area.

- Inputs from the breakout sessions will be incorporated into the elaboration of the Guidelines.

Strategy to engage local industrial districts in the transition to renewable hydrogen: LP will co-ordinate and monitor the roundtables that each PP will organise with targeted industries in Semester 1 to assess their interest and capabilities for integrating hydrogen into their processes. Establishment of working groups or consortia with representatives from interested industries, renewable energy producers, technology providers and local authorities.

PP FEEM will manage the testing of the drafted CBA applied to established regional H2 deployment scenarios:

- micro level: at local level, the CBA indicators will assess the revenue generating parameters of each H2 technology related to each specific investment.

- Macro level: thanks to the indicators and the assessment, policy makers will be more aware of how crucial political commitment is for the application and implementation of H2 technology.

Thematic workshop: each RSG will discuss and provide feedback on a GP category. Discussions within these groups to gather in-depth feedback and insights on the potential implementation challenges, scalability and relevance of each GP.

LP will coordinate an online interregional workshop with presentations by the representatives from each RSG to introduce the evaluated GPs, highlighting their key features, benefits and potential impact.

PNEC will finalise the GP Guide, which will be approved by the Review Committee, reported to the Interreg Europe JS for validation and uploaded to the programme's online GP database.

Representatives of the PHRYUS partnership will participate in Policy Learning Platform Events/Annual Interreg Europe events.

Six-monthly progress report.

2993/3000

Communication

Develop press releases, feature stories, and op-eds highlighting the benefits, challenges, and progress of renewable hydrogen projects in industrial districts.

Delivering presentations on the PHRYUS project at relevant conferences, seminars, and industry events to showcase project results and lessons learned.

Update of the official and partner project websites and social media channels with new content

Newsletter 2 will be elaborated by LP and PNEC

Solicit feedback from project partners, stakeholders, and participants on the effectiveness of communication activities and materials.

Conduct surveys and interviews to gain insights into communication preferences, needs and areas for improvement.

Webinar organised by PNEC for local/regional/national governments on the scope of the project and the current state of play in the partner cities.

Participation in two Policy Learning Platform events (Interreg Europe event)

Blog post on the Winter School previewing topics and speakers.

988/1000

Management

v1 | Open

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

27

Semester 3 (Core phase)

Exchange of experience

The 4th PP meeting will take place in Grenoble, hosted and coordinated by PP Tenerrdis.

Day 2: site visit at its cluster with energy audits among municipalities/regions/local development agencies and renewable energy producers, technology providers, research institutions and targeted local industries of the Cluster (French "Pole de compétitivité"). The aim is to understand the specific needs, challenges, and current energy consumption patterns of these industries and to assess the potential for hydrogen integration in their processes.

In the afternoon there will be peer learning networks coordinated by LP and Tenerrdis with hydrogen regional heavy players from the Tenerrdis cluster focusing on the development of the renewable hydrogen ecosystem:

- Guidance and expert advice on infrastructure gaps, investment needs, and opportunities for integrating hydrogen production, storage, and distribution systems into regional energy networks.
- Guidance on how to strengthen the robustness of the overall energy and hydrogen supply chain by integrating a flexible industrial player in the ecosystem (synergies with the IMAGHyNE project)
- Guidance on grant applications, funding opportunities, and public-private partnerships to support the implementation of energy efficiency measures and renewable energy initiatives.

PP FEEM will review and validate the CBA findings and recommendations with the support of the other technical PPs:

- Check whether the CBA exceeds the static profitability criteria of the analysis according to the standard economic indicators.
- Evaluate whether to implement the analysis with additional survey instruments.

The final CBA will be an innovative and intelligent evaluation tool, capable of responding effectively and keeping pace with the rapid development of H2.

PP Tenerrdis will draft the Guidelines that will support the PPs in the implementation of their PIs and the dissemination of the project results outside the project.

Internal workshops within each PP organisation to:

- Increase the capacity and knowledge within the organisation by informing and educating the organisation about the relevant project outcomes
- inform and discuss possible adaptations of policy instruments
- Improve knowledge and skills in areas such as policy analysis and project management.

Representatives of the PHRYUS partnership will participate in Policy Learning Platform Events/Annual Interreg Europe events (e.g. European Cooperation Day on 21 September)

Six monthly progress report.

2511/3000

Communication

Knowledge-sharing workshop/webinars to disseminate the findings and lessons learned from the selected good practices to a wider audience. Representatives of the organisations featured in the guide will present their experiences, strategies and results.

Regular updating of project and PPs websites, uploading of GPs.

Regular posts on social media channels about the project

Newsletter n.3 will be prepared by LP and PNEC and sent to all PPs who will distribute it to their relevant stakeholders.

Two local press releases from two partners. Each partner will use their own channels to communicate about the project.

Online promotion: Encourage industry participation in the energy audit through targeted ads.

707/1000

Management

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

N° of interregional policy learning events organised

v1 | Open

N° of good practices identified

0

Semester 4 (Core phase)

Exchange of experience

The 5th PP meeting will be held in Alba Iulia (Romania) hosted by PP RDA Centru:

- Midterm review meeting aimed to track project progress, elaboration of the report by LP.
- define key parameters, criteria, and indicators for monitoring the effectiveness of revised policy interventions during the follow up phase.

Day 2: Interregional study visit to Alba Iulia. The interregional policy exchange sessions focused on the use of funding schemes and financial incentives to promote the introduction of hydrogen use in industrial applications.

PP RDA Centru, Managing Authority of the Just Transition Programme 2021/2027 in Romania, will present the programme as well as the National Hydrogen Strategy and Action Plan for Romania as examples of policy vectors in the energy transition process.

- Case studies or examples of successful projects funded by these programmes will be presented.
- Opportunities for cooperation and synergy between the national strategy and regional initiatives.

LP will coordinate internal workshops within each PP organisation in order to

- Increase capacity and knowledge within the organisation by informing and educating the organisation on relevant project results
- Inform and discuss possible adaptations of policy instruments
- capitalise on the inputs from the policy exchange learning sessions within the organisation.

Each RSG, coordinated by the LP, will work on policy improvements, focusing on how to strengthen the capacity of institutional actors to facilitate a just transition, to enable vulnerable groups to adapt to the transition and to use it as an opportunity for growth.

Representatives of the PHRYUS partnership will participate in Policy Learning Platform Events/Annual Interreg Europe events.

Six monthly progress report on project results and impact indicators.

1819/3000

Communication

The progress of the communication strategy will be one of the topics discussed during the mid-term review of the project.

At the beginning of this semester, a mid-term inter-regional project event and press conference will be organised by the PNEC PP, focusing on the first results of the project implementation.

Newsletter n.4 will be prepared by LP and PNEC and sent to all PPs who will distribute it to their relevant stakeholders.

Regular updating of the project and PP websites and regular posts on social media channels about the project.

CBA infographics to simplify complex data for easy understanding and executive summary to condense key findings for wider distribution.

680/1000

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

0

Semester 5 (Core phase)

Exchange of experience

6th PP meeting in Mantova, hosted by PP FEEM and the Province of Mantova.

Industrial visit to the H2 Valley in the Valdaro logistic centre of Mantova, an example of how national funds deriving from a policy instrument (e.g. PNRR) can lead to successful decarbonisation and H2 development in industrial districts thanks to public-private cooperation.

The visit will be organised by PP FEEM and the Province of Mantova and will consist of

- A guided tour of selected industrial facilities within the district, focusing on those relevant to hydrogen use or with potential for hydrogen integration (key areas such as production plants, storage facilities, distribution networks and any existing hydrogen infrastructure).

- visit of the technological hub

- presentation of the Provincial Green Hydrogen Plan of the Province of Mantova

- Presentation of a business case and the hydrogen infrastructure implemented with the HYMANTOVALLEY project (capitalisation of their study on the replicability of the project results in Southern Italy).

Demonstrations of different applications of hydrogen technologies, from heavy industry to long distance transport.

- Panel discussion with experts, industry representatives, policy makers and community members. Q&A session.

LP will coordinate the interregional online workshops where all PPs will present the main results of the CBA carried out at micro level:

- Evaluate the new results obtained with the project partners. Discussion on possible improvements of the actions undertaken to achieve better results also in the socio-environmental field.

- Based on the inputs provided, the main features of each CBA will be exchanged and the framework for the final draft of the CBA at macro level will be established. PP FEEM + VUB will prepare the final document with quantitative and qualitative conclusions for subsequent dissemination and cross-regional application.

Internal seminar: staff of policy makers who have participated in the policy learning and have worked on the improvement and revision of the policy instrument will share the results with their organisations for the institutional validation of the PI to be implemented in the next semesters.

Online webinar (3 hours) for the presentation of the final CBA by FEEM, with findings and recommendations from project partners, stakeholders, policy makers and other relevant audiences.

PP Tenerrdis will refine the Guidelines based on the feedback and results from the CBA report, showing the relationship between CBA policies, investments and results (PP FEEM).

Status quo of the implementation/revision of the Policy instruments.

Representatives of the PHRYUS partnership will participate in Policy Learning Platform Events/Annual Interreg Europe events (e.g. European Cooperation Day on 21 September).

Six monthly progress report

2834/3000

Communication

Newsletter No. 5 will be prepared by LP and PNEC and sent to all PPs who will distribute it to their relevant stakeholders.

Regular updating of the project and PP websites and regular posts on social media channels about the project.

Press release from FEEM and Province of Mantua

280/1000

Management

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

N° of interregional policy learning events organised

v1 | Open

1

N° of good practices identified

0

Semester 6 (Core phase)

Exchange of experience

The 7th PP meeting will take place in Gradiska, hosted by the Municipality of Gradiska:
A two-day event with a visit to the city to see some of the selected good practices in action.

Hosted by the City Administration, PP policy makers engage in a collaborative exchange. Through scenario planning exercises, staff from LP Campania region, PKS and Gradiska explore virtuous policy scenarios from the point of view of regions with advanced hydrogen policies and initiatives such as PP RDA Centru, Heide, Tenerrdis, PNEC and FEEM. The aim is to gain insights and inspiration for their own policy development efforts. Participants will then evaluate the results in their respective areas, considering the potential for replication and their contribution to improving policy in their regions.
- Finally, PP PKS, as Discovery Partner, will give a presentation outlining its policy learning process from its involvement in the project to the follow-up phase.

Interregional Workshop of RSGs at consortium level, led by PNEC with the support of LP, to propose and develop a Gold Good Practice (GGP) project as a result of
- GGPs identified in the Guide
- Industrial site visits
- Interregional policy learning
- Review and input to the new GGP. It will be approved by the Review Committee and included in the Guide.

Implementation of the improved policy instruments by each PP:
- analysis of new projects and calls for proposals for Regional SMEs and industries for hydrogen (H2) implementation initiatives.
- Peer reviews with key stakeholders to evaluate the implementation of the revised policies and to share best practices and lessons learned, also using the interface report between CBA results and adopted policies.
- RSGs review meeting on the policy instrument in each PP region

Validation of the Guidelines with feedback and suggestions from each RSG for feedback outlining findings, lessons learned and recommendations for future action.
Representatives of the PHRYUS partnership will participate in Policy Learning Platform Events/Annual Interreg Europe events.
Six monthly progress report.

2099/3000

Communication

Regularly update the project and PPs websites and regularly post about the project on social media channels.
Upload the new GGP and the implemented guide.
PP PNEC will be tasked to produce a video to share project results, lessons learned and best practices with all PPs contributions.
Newsletter n°6 will be prepared by LP and PNEC and sent to all PPs who will distribute it to their relevant stakeholders.
N° 2 Press releases will be organised in two different PP regions.
Report on communication efficiency shared with PPs and SHs

534/1000

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

v1 | Open

1

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

The 8th Partner meeting will take place in Belgrade, hosted by the Chamber of Commerce and Industry of Serbia.

PKS will organise a fair for industries interested in energy efficiency and H2 technologies:

Showcase of new projects and tenders for Regional SMEs and industries for hydrogen (H2) implementation initiatives.

Parallel sessions highlighting the benefits, challenges, and opportunities of adopting hydrogen technologies in various sectors.

Matchmaking sessions to facilitate collaboration and business opportunities.

Presentations on funding opportunities, grants, and support mechanisms available to companies investing in H2 technologies.

The LP will coordinate the monitoring phase: each PP will monitor the effects/impacts of its policy improvement based on the defined indicators:

- An increase in the number of local hydrogen projects and companies using renewable H2 and renewable H2 technologies.
- An increase in H2 technology investment by local stakeholders
- An increase in H2 demand by local actors, not only in the industrial sector but in all sectors (built environment, mobility, etc.)
- An increase in the use of renewable technologies and the creation of energy communities and H2 valleys.

The Tenerrdis PP will produce a comprehensive report with findings, lessons learned and recommendations for public policy makers and private investors to ensure the durability, governance and economic sustainability of the projects and infrastructures implemented.

Internal seminars within each PP organisation to monitor and evaluate the impact of the policy instrument.

Online knowledge sharing roundtables with RSGs (2 hours). Follow-up meetings for ongoing collaboration and evaluation.

Representatives of the PHRYUS partnership will participate in Policy Learning Platform Events/Annual Interreg Europe events (e.g. European Cooperation Day on 21 September).

Six monthly progress report.

1913/3000

Communication

7° Newsletter will be prepared by LP and PNEC and sent to all PPs who will distribute it to their relevant stakeholders.

Regular updating of the project and PP websites and regular posts on social media channels about the project.

230/1000

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

Dissemination event in Brussels, hosted by PP VUB:

- Project Presentation
- Overview of hydrogen technologies
- Policy instruments for the deployment of hydrogen technologies
- Presentation of case studies and project GPs
- Roundtable: challenges and opportunities for hydrogen uptake
- Discussion with representatives from industry, government, and civil society on roles and responsibilities for promoting hydrogen adoption
- Insight into the regulatory policies needed to support the adoption of hydrogen technologies.
- Discussion on strategies for scaling up hydrogen technologies nationally and internationally.
- Follow-up and reporting: Preparation and dissemination of a post-event report with key conclusions and recommendations.

The final Partner meeting and Final Event will take place in Campania hosted by the LP Campania Region. Institutional representatives from the Interreg Europe JS, DG Covenant of Mayors, EU Clean Hydrogen Alliance, DG Energy and the European Committee of the Regions will be invited to participate.

- Administrative tasks for project closure
- Presentation and discussion of project results, outcomes, deliverables: presentation of the CBA, the Guidelines and overview of the implemented PIs
- Seminar with political institutions on the legacy of the project and how it can contribute in the long term to the objectives of European strategies related to industrial decarbonisation and energy efficiency.
- Follow-up: Preparation and dissemination of a post-event report with key conclusions and recommendations.
- Monitoring of the effects/impacts of policy improvements based on the defined indicators.

RSG: Round tables for knowledge exchange with stakeholders. Follow-up meetings for ongoing cooperation and evaluation.
PP Ternerdis will deal with the monitoring and dissemination of the Guidelines.

1851/3000

Communication

Organization of 3 final press releases

Regular update of project and PPs websites and regular posts on social media channels about the project

Media Coverage: Invite press coverage to amplify the project's impact.

Evaluation of the communication and dissemination activities to measure their impact. Solicit feedback from project partners, stakeholders, and participants on the effectiveness of communication activities and materials.

435/1000

Management

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

N° of interregional policy learning events organised

0

F Project budget

F.1 Budget breakdown per cost category and partner

Partner †	Country	Preparation costs	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Infrastructure and works	TOTAL BUDGET
LP01 Campania Region	Italy (Italia)	17,500.00	187,500.00	28,125.00	28,125.00	235,980.00	0.00	0.00	497,230.00
PP02 Eni Enrico Mattei Foundation	Italy (Italia)	0.00	125,000.00	18,750.00	18,750.00	47,500.00	0.00	0.00	210,000.00
PP03 Development Agency Region Heide	Germany (Deutschland)	0.00	120,000.00	18,000.00	18,000.00	44,000.00	0.00	0.00	200,000.00
PP04 Association of Municipalities Polish Network "Energie Cités"	Poland (Polska)	0.00	138,240.00	20,736.00	20,736.00	29,500.00	0.00	0.00	209,212.00
AP05 Free University of Brussels	Belgium (Belgique/België)	0.00	128,480.00	19,272.00	19,272.00	0.00	0.00	0.00	167,024.00
PP06 City of Gradiška	Bosnia and Herzegovina	0.00	72,000.00	10,800.00	10,800.00	66,200.00	0.00	0.00	159,800.00
DP07 Chamber of Commerce and Industry of Serbia	Serbia (Srbija/Србија)	0.00	65,600.00	9,840.00	9,840.00	25,000.00	0.00	0.00	110,280.00
PP08 Tenerdis	France (France)	0.00	121,500.00	18,225.00	18,225.00	40,620.00	0.00	0.00	198,570.00
PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	Romania (România)	0.00	122,000.00	18,300.00	18,300.00	31,400.00	0.00	0.00	190,000.00
Total		17,500.00	1,080,320.00	162,048.00	162,048.00	520,200.00	0.00	0.00	1,942,116.00
% of Total budget		0.9%	55.6%	8.3%	8.3%	26.8%	0.0%	0.0%	100.0%

* Real cost, no flatrate

F.2 External expertise and services

Item #	Description	Contracting partner	Type of costs	TOTAL
1	interregional partner meetings, regional stakeholder group meetings	PP06 City of Gradiška	Exchange of experience – meetings	15,500.00
2	City of Gradiška will engage expertise for the project management support, in order to smoothly accomplish project activities and reporting requirements. This is new program for IPA countries and experienced support is needed for tracking expenses, monitoring the achievements and reporting in due time.	PP06 City of Gradiška	Exchange of experience – external support	12,400.00
3	External support for the implementation of technical work and activities will be engaged by the PP6. This will ensure exchange between partners and stakeholders leveling to the same project goals, and with local experiences exchanged. Technical support will support methodologies for setting up a common framework for policy instruments, assessment and strategy development, policy analysis, learning processes and transferability actions.	PP06 City of Gradiška	Exchange of experience – external support	34,000.00
4	regional and interregional dissemination events	PP06 City of Gradiška	Communication – events	2,500.00
5	City of Gradiška will actively support project partners providing inputs for the content of the promotional materials, and disseminating project materials during local meetings. Project materials will be disseminated to the wider audience, and will be available at City public premisses.	PP06 City of Gradiška	Communication – material	1,800.00
6	interregional partner meetings, regional stakeholder group meetings	PP04 Association of Municipalities Polish Network “Energie Cités”	Exchange of experience – meetings	6,500.00
7	associated policy responsible authority, stakeholders	PP04 Association of Municipalities Polish Network “Energie Cités”	Exchange of experience – travel and accommodation external bodies	5,000.00
8	Development of project video	PP04 Association of Municipalities Polish Network “Energie Cités”	Communication – material	3,000.00
9	Development of final project video	PP04 Association of Municipalities Polish Network “Energie Cités”	Communication – material	5,000.00
10	Expert support for study visit organisation	PP04 Association of Municipalities Polish Network “Energie Cités”	Exchange of experience – external support	1,500.00
11	regional and interregional dissemination events	PP04 Association of Municipalities Polish Network “Energie Cités”	Communication – events	2,000.00
TOTAL				520,200.00

Item #	Description	Contracting partner	Type of costs	Total
12	Design, printing and translation of newsletters, posters and other content related communication material (flyers, roll-ups).	PP04 Association of Municipalities Polish Network "Energie Cités"	Communication – material	4,000.00
13	Design and composition of Best Practices collection.	PP04 Association of Municipalities Polish Network "Energie Cités"	Communication – material	2,500.00
14	interregional partner meetings, regional stakeholder group meetings	PP03 Development Agency Region Heide	Exchange of experience – meetings	15,000.00
15	associated policy responsible authority, stakeholders	PP03 Development Agency Region Heide	Exchange of experience – travel and accommodation external bodies	3,000.00
16		PP03 Development Agency Region Heide	Management – external support	3,000.00
17		PP03 Development Agency Region Heide	Management – expenditure control	1,000.00
18	regional and interregional dissemination events	PP03 Development Agency Region Heide	Communication – events	5,000.00
19	Information Material for events	PP03 Development Agency Region Heide	Communication – material	5,000.00
20	Organization and hostign of the Project's Winter School	PP03 Development Agency Region Heide	Exchange of experience – external support	10,000.00
21	interregional partner meetings, regional stakeholder group meetings	PP02 Eni Enrico Mattei Foundation	Exchange of experience – meetings	5,000.00
22	associated policy responsible authority, stakeholders	PP02 Eni Enrico Mattei Foundation	Exchange of experience – travel and accommodation external bodies	7,500.00
23		PP02 Eni Enrico Mattei Foundation	Management – expenditure control	7,500.00
24	Analysis and mapping of supply chain of Hydrogen in the area of Mantua Province and integration with Valdaro Port infrastructures and North Italian Corridors	PP02 Eni Enrico Mattei Foundation	Exchange of experience – external support	20,000.00
			TOTAL	520,200.00

Item ↑	Description	Contracting partner	Type of costs	TOTAL
25	regional and interregional dissemination events	PP02 Eni Enrico Mattei Foundation	Communication – events	7,500.00
26	Moderator and interpreter for meetings	PP03 Development Agency Region Heide	Exchange of experience – external support	2,000.00
27	interregional partner meetings, regional stakeholder group meetings	PP08 Tenerdis	Exchange of experience – meetings	15,000.00
28	associated policy responsible authority, stakeholders	PP08 Tenerdis	Exchange of experience – travel and accommodation external bodies	11,900.00
29		PP08 Tenerdis	Management – expenditure control	4,720.00
30	regional and interregional dissemination events	PP08 Tenerdis	Communication – events	8,000.00
31	Communication material (printing leaflet, roll-up,...)	PP08 Tenerdis	Communication – material	1,000.00
32	interregional partner meetings, regional stakeholder group meetings	PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	Exchange of experience – meetings	14,000.00
33	associated policy responsible authority, stakeholders	PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	Exchange of experience – travel and accommodation external bodies	10,400.00
34	External support for the organisation of the exchange of experience, support in the design of the guidelines for the policy Analysis sessions	PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	Exchange of experience – external support	4,000.00
35	regional and interregional dissemination events	PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	Communication – events	3,000.00
36	interregional partner meetings, regional stakeholder group meetings	DP07 Chamber of Commerce and Industry of Serbia	Exchange of experience – meetings	3,500.00
37	associated policy responsible authority, stakeholders	DP07 Chamber of Commerce and Industry of Serbia	Exchange of experience – travel and accommodation external bodies	3,500.00
			TOTAL	520,200.00

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Item #	Description	Contracting partner	Type of costs	Total
38	Technical support from experts of the H2 cluster formed by CCIS for the capacity building in terms of education of external expert about newest technologies and trends in H2 industry (technical knowledge), in order to bring knowledge transfer to whole cluster in CCIS	DP07 Chamber of Commerce and Industry of Serbia	Exchange of experience – external support	10,000.00
39	regional and interregional dissemination events	DP07 Chamber of Commerce and Industry of Serbia	Communication – events	5,000.00
40	printing of different kinds of promotion materials that will be disseminate to stakeholder etc.in order to arise awareness and promote project and its activities	DP07 Chamber of Commerce and Industry of Serbia	Communication – material	3,000.00
41	interregional partner meetings, regional stakeholder group meetings	LP01 Campania Region	Exchange of experience – meetings	38,000.00
42	associated policy responsible authority, stakeholders	LP01 Campania Region	Exchange of experience – travel and accommodation external bodies	5,000.00
43	analysis for the introduction of energy-efficient devices and technologies and/or for the abatement of climate-altering gas emissions in production cycles	LP01 Campania Region	Exchange of experience – external support	25,000.00
44	definition of Grant, financial instruments or mixed options to implement investments in H2	LP01 Campania Region	Exchange of experience – external support	20,000.00
45	technical support for the coordination of the Regional SH Groups - learning process: stakeholder training workshops and brainstorming sessions in each PP region	LP01 Campania Region	Exchange of experience – external support	20,000.00
46	technical support for the coordination of monitoring of policy implementation of the partnership	LP01 Campania Region	Exchange of experience – external support	9,980.00
47	technical support for the organization of the winter school for arguments and speakers	LP01 Campania Region	Exchange of experience – external support	6,000.00
48	regional and interregional dissemination events	LP01 Campania Region	Communication – events	35,000.00
49	production of promotional material	LP01 Campania Region	Communication – material	5,000.00
50	support for communication activities: communication plan elaboration, social media and website updating, newsletter elaboration, A3 poster, layouting of project deliverables	LP01 Campania Region	Communication – material	23,000.00
51		LP01 Campania Region	Management – external support	40,000.00
			TOTAL	520,200.00

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Item ↑	Description	Contracting partner	Type of costs	TOTAL
52		LP01 Campania Region	Management – expenditure control	9,000.00
			TOTAL	520,200.00

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F.3 Equipment

v1 | Open

Item ↑	Description	Contracting partner	Type of costs	TOTAL
			TOTAL	0.00

F.4 Infrastructure and works

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Create a pilot action in the *policy instrument* section to add entries to "Infrastructure and works".

Item ↑	Description	Contracting partner	Type of costs	TOTAL
			TOTAL	0.00

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

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Partner ↑	Country	Total	Interreg funds	Interreg/ Norwegian funds rate (%)	Norwegian	Partner contribution from public sources	Partner contribution from private sources	Total partner contribution
LP01 Campania Region	Italy (Italia)	497,230.00	397,784.00	80.0%	0.00	99,446.00	0.00	99,446.00
PP02 Eni Enrico Mattei Foundation	Italy (Italia)	210,000.00	147,000.00	70.0%	0.00	63,000.00	0.00	63,000.00
PP03 Development Agency Region Heide	Germany (Deutschland)	200,000.00	160,000.00	80.0%	0.00	40,000.00	0.00	40,000.00
PP04 Association of Municipalities Polish Network "Energie Cités"	Poland (Polska)	209,212.00	167,369.60	80.0%	0.00	41,842.40	0.00	41,842.40
AP05 Free University of Brussels	Belgium (Belgique/België)	167,024.00	133,619.20	80.0%	0.00	33,404.80	0.00	33,404.80
PP06 City of Gradiška	Bosnia and Herzegovina	159,800.00	127,840.00	80.0%	0.00	31,960.00	0.00	31,960.00
DP07 Chamber of Commerce and Industry of Serbia	Serbia (Srbija/ Србија)	110,280.00	88,224.00	80.0%	0.00	22,056.00	0.00	22,056.00
PP08 Tenerdis	France (France)	198,570.00	158,856.00	80.0%	0.00	39,714.00	0.00	39,714.00
PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	Romania (România)	190,000.00	152,000.00	80.0%	0.00	38,000.00	0.00	38,000.00
Total		1,942,116.00	1,532,692.80	0.0%	0.00	409,423.20	0.00	409,423.20

F.6 Spending plan

Core phase

Partner ↑	Preparation costs	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	TOTAL BUDGET
LP01 Campania Region	17,500.00	39,730.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	497,230.00
PP02 Eni Enrico Mattei Foundation	0.00	20,000.00	35,000.00	35,000.00	35,000.00	45,000.00	30,000.00	210,000.00
PP03 Development Agency Region Heide	0.00	22,500.00	27,500.00	23,500.00	33,500.00	24,000.00	24,000.00	200,000.00
PP04 Association of Municipalities Polish Network “Energie Cités”	0.00	14,950.00	32,875.00	32,875.00	32,875.00	32,875.00	32,875.00	209,212.00
AP05 Free University of Brussels	0.00	15,900.00	26,285.00	26,915.00	26,915.00	27,550.00	27,550.00	167,024.00
PP06 City of Gradiška	0.00	14,200.00	27,440.00	27,440.00	27,440.00	27,440.00	27,440.00	159,800.00
DP07 Chamber of Commerce and Industry of Serbia	0.00	10,280.00	16,800.00	16,800.00	16,800.00	16,800.00	16,800.00	110,280.00
PP08 Tenerrdis	0.00	23,710.00	30,080.00	30,080.00	36,600.00	33,300.00	33,300.00	198,570.00
PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	0.00	15,599.00	26,870.00	30,990.00	27,870.00	38,590.00	26,870.00	190,000.00
Total	17,500.00	176,869.00	302,850.00	303,600.00	317,000.00	325,555.00	298,835.00	1,942,116.00
% of Total budget	0.9%	9.1%	15.6%	15.6%	16.3%	16.8%	15.4%	100.0%

Follow-up and closure phase

Partner ↑	Semester 7	Semester 8 and closure	TOTAL BUDGET
LP01 Campania Region	15,000.00	25,000.00	497,230.00
PP02 Eni Enrico Mattei Foundation	5,000.00	5,000.00	210,000.00
Total	101,320.00	98,587.00	1,942,116.00
% of Total budget	5.2%	5.1%	100.0%

Partner ↑	Semester 7	Semester 8 and closure	TOTAL BUDGET
PP03 Development Agency Region Heide	22,500.00	22,500.00	200,000.00
PP04 Association of Municipalities Polish Network "Energie Cités"	14,950.00	14,937.00	209,212.00
AP05 Free University of Brussels	15,909.00	0.00	167,024.00
PP06 City of Gradiška	4,200.00	4,200.00	159,800.00
DP07 Chamber of Commerce and Industry of Serbia	8,000.00	8,000.00	110,280.00
PP08 Tenerrdis	5,750.00	5,750.00	198,570.00
PP09 REGIONAL DEVELOPMENT AGENCY CENTRU	10,011.00	13,200.00	190,000.00
Total	101,320.00	98,587.00	1,942,116.00
% of Total budget	5.2%	5.1%	100.0%

G Annexes

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Partners

LP01 Campania Region Declaration Regione Campania_signed.pdf 05/06/2024, 12:52 alfonso.bonavita@regione.campania.it
PP02 Eni Enrico Mattei Foundation Declaration_FEEM_signed_stamp.pdf 07/06/2024, 09:03 alfonso.bonavita@regione.campania.it
PP03 Development Agency Region Heide Declaration_Development Agency Region Heide.pdf 05/06/2024, 12:52 alfonso.bonavita@regione.campania.it
PP04 Association of Municipalities Polish Network “Energie Cités” Declaration PNEC_signed.pdf 05/06/2024, 12:52 alfonso.bonavita@regione.campania.it
AP05 Free University of Brussels Declaration_template_Free_University_of_Brussels.pdf 06/06/2024, 16:29 alfonso.bonavita@regione.campania.it
PP06 City of Gradiška IE_City_of_Gradiska_Declaration.pdf 05/06/2024, 12:52 alfonso.bonavita@regione.campania.it
DP07 Chamber of Commerce and Industry of Serbia Declaration -CCIS.pdf 05/06/2024, 12:53 alfonso.bonavita@regione.campania.it
PP08 Tenerrdis Declaration template Tenerrdis.pdf 06/06/2024, 10:51 alfonso.bonavita@regione.campania.it
PP09 REGIONAL DEVELOPMENT AGENCY CENTRU REGIONAL DEVELOPMENT AGENCY CENTRU_Signed PP declaration.pdf 05/06/2024, 15:07 alfonso.bonavita@regione.campania.it

Associated policy authorities

City of Bydgoszcz Declaration_Bydgoszcz.pdf 05/06/2024, 12:53 alfonso.bonavita@regione.campania.it
Auvergne-Rhone-Alps Region Scan_LEVY Charles-Franck_20240606-091852_2965_001 2.pdf 06/06/2024, 12:37 alfonso.bonavita@regione.campania.it
Province of Mantua Declaration_Province of Mantua_PRRHyUS.pdf 05/06/2024, 12:54 alfonso.bonavita@regione.campania.it