



Project development assistance for regions (PDA II)

Webinar 7 – Overview of project financing strategies

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13th February 2024

An initiative delivered by


SPILETT
new technologies


With support from the subcontracting consultancies


Agenda


10:00 – 10:15	Introductory presentation – review of PDA programme and lessons learnt
10:15 – 10:30	The Clean Hydrogen Partnership
10:30 – 10:45	The EIB Elena Facility
10:45 – 11:00	Q&A
11:00 – 11:15	Innovation Fund
11:15 – 11:30	CEF - AFIF
11:30 – 11:45	Q&A
11:45 – 11:50	Wrap up

Aims of the PDA initiative

 To further **widen the Clean Hydrogen JU geographical coverage** by selecting and bringing a set of 15 projects from Cohesion Countries, Outermost Regions and Islands to a high level of preparedness.

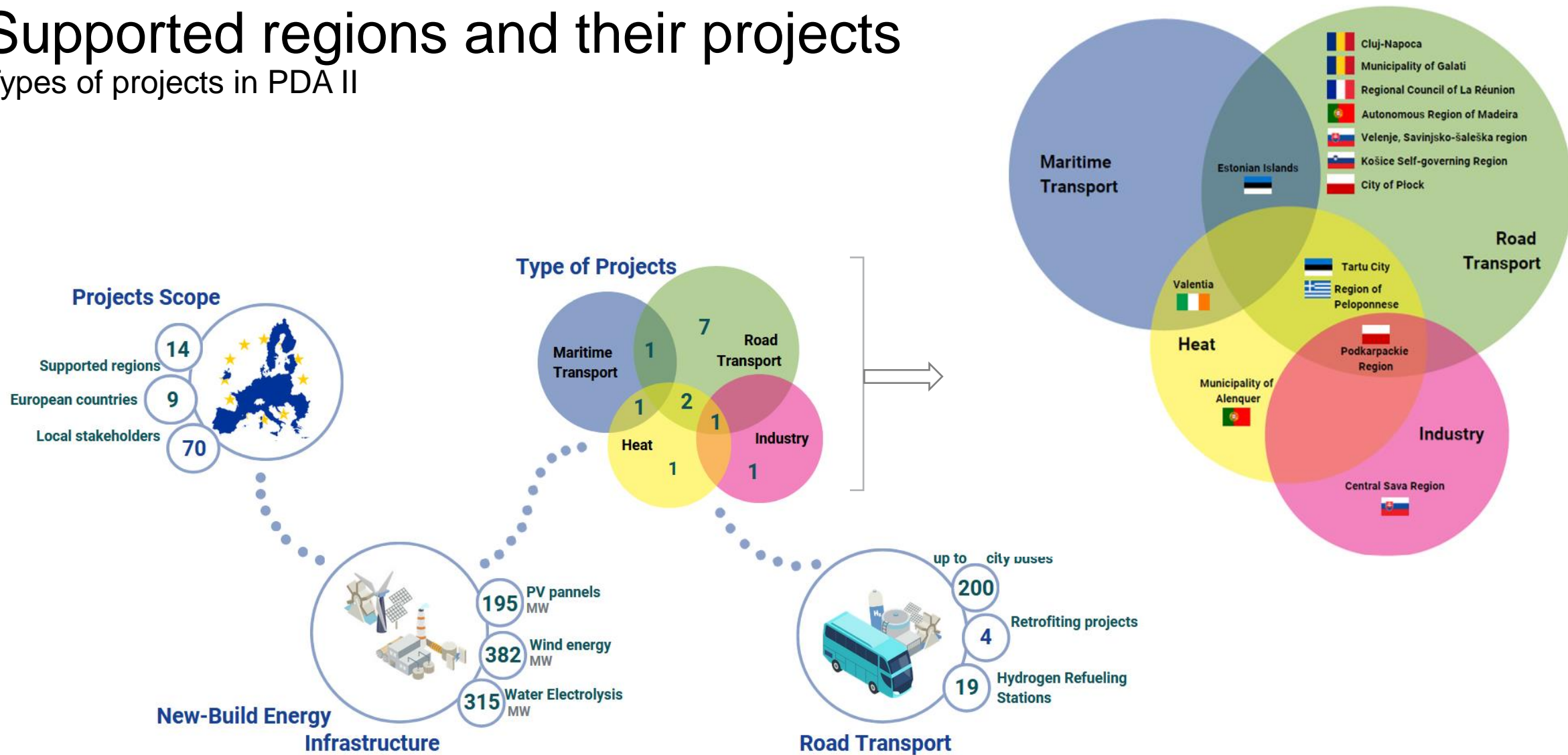
 To provide regions and cities the necessary **technical, financial and regulative services**.

 To develop further the existing **inter-regional, inter-island and cross-city networks** in which both the selected regions and cities and its Observer Network could benefit from tools, methods and expertise gathered in both the first and the current PDA.

 To **boost the chances of grant funding and financing support** by raising awareness among the relevant Regional and National European Structural and Investment Funds' (ESIF).

Supported regions and their projects

Types of projects in PDA II



Services provided to the regions



EVALUATING

- technical feasibility
- economic feasibility
- technology readiness
- level of completion



SUPPORT IN

- scoping
- right-scaling
- reducing risk
- easing implementation



CONSIDERING

- regional context
- project team capacities
- market availabilities
- best-practices in procurement and operatorship



SPECIFYING

- use cases / technology setup
- project activities and responsibilities
- project timelines and milestones
- cost structures and financing strategies
- project governance

Publications to support knowledge on hydrogen projects

EU Policy Development
How policy can support green hydrogen

Adoption of green hydrogen technologies

How does EU policy support green hydrogen technologies?

Driving the business case for green hydrogen technologies can be achieved by either making it easier to use green hydrogen technologies or harder to use carbon intensive technologies.

Make it easier to use green hydrogen

Make it harder to use green hydrogen alternatives

Drive down price of green hydrogen technologies

Permitting Regulations, European Directive

EU Policy Developments since 2021
Renewable Energy Directive II/III (RED II/III); Delegated Acts

To qualify as an RFNBO, hydrogen production must meet one of the following criteria related to their electricity production:

- Will the project use direct connection to renewables?
 - Yes: Direct connection to renewable electricity supplier. Electricity supplied via direct connection to renewable electricity source must meet the following criteria: By 2025, project's renewable electricity source must have been built within 36 months of hydrogen project start-up.
 - No: Will the project only use direct connection electricity?
 - Yes: Grid electricity. If 90% or higher of the sources of electricity for a grid are renewable, no restrictions apply to grid electricity use. Grid electricity can be used for hydrogen project.
 - No: Is grid 90% renewable?
 - Yes: Grid connection but PPA agreement required. For low-carbon electricity grids which are not powered by renewables (e.g. large contribution from nuclear power), hydrogen projects are required to enter PPA with a renewable electricity provider but existing renewable power suppliers can be used.
 - No: Are grid emissions below 150g/kWh?
 - Yes: Curtailed renewable electricity. Using grid electricity production at times when this electricity would otherwise have been curtailed.
 - No: Additionally and matching requirements for grid electricity connection. A PPA with a renewable energy supplier which has been set-up within 36 months of the hydrogen production facility set-up and within the same electricity market building zone. Additionally, electricity must be time-matched with the renewable energy supplier. Initially, this must be matched monthly, but after 2025, hourly matching will be required.

Introduction

This paper covers rules and regulations for the development of new hydrogen projects, including:

- Hydrogen production
- Hydrogen refuelling
- Hydrogen transportation
- Hydrogen mobility

The aim of the Project Development Assistance for Cities and Regions II (PDA II) Programme is to climate targets hydrogen projects. Projects involve standards to ensure

Regulations for the transport of dangerous goods by rail, road, and inland waterways

The documents laying out the rules and regulations for the transport of dangerous goods by rail, road and inland waterways are the following: the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); the Agreement concerning the International Carriage of Dangerous Goods by Road, also known as the ADR; and the Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways, known as the ADN.

The RID is in effect from January 2023. The ADR and ADN agreements were drawn up on the 30th of September 1957 in Geneva by the United Nations Economic Commission for Europe and entered into force a year later.

The following sections are relevant to PDA teams wanting to transport hydrogen by road and inland waterways, and include:

- Regulations and tests required for the use of Multiple Element Gas Containers (MEGCs) to transport hydrogen by rail, road and water.
- Regulations and documents needed for the transportation of hydrogen by road.
- Regulations and documents needed for the transportation of hydrogen by inland waterways.
- Regulations and documents needed for the transportation of hydrogen by rail.

The glidepath is divided into initial, development and final stages representing increasing levels of project maturity

INITIAL DEVELOPMENT FINAL

Develop your own clear project plan
This involves preliminary project identifying interests will form the stakeholder project.

Stakeholders: definition and requirements

Aim: List potential stakeholders involved in the delivery of your project

Explanation: The key stakeholders you are likely to engage with are:

- Original Equipment Manufacturers (OEMs)
- Vehicle suppliers
- End-users
- Local/regional government bodies
- Industrial off-takers of hydrogen
- Electricity grid operators
- Renewable electricity suppliers
- National and European level hydrogen bodies
- Industrial partners
- Local construction companies
- Local financial institutions

Renewable electricity, Electricity grid operators, Governing bodies, Financial institutions, Hydrogen generation, End-users, Vehicle suppliers, Industrial off-takers of H₂

Measurable outcome: A list of potential stakeholders and their contact details is produced.

EU Policy Paper

Describes all EU policies that can support the business case for hydrogen technologies

Status: complete

Regulations Paper

Describes regulations on hydrogen production, distribution, and end use, and how projects should engage with regulators

Status: complete

Project glidepath

Checklist of tasks for the development of hydrogen projects, in increasing maturity

Status: in finalization

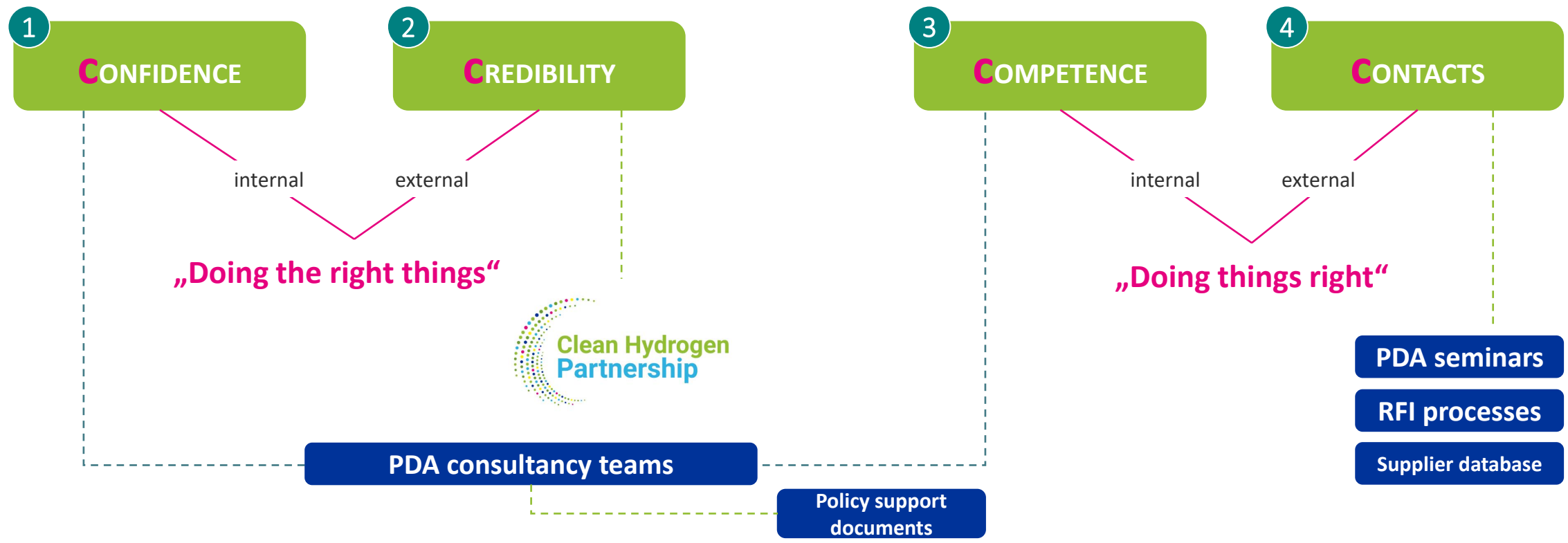
RFI templates

To provide the right information on projects to allow regions to request information on suppliers and equipment

Status: in finalization

Lessons learned from PDA

The regions have different needs for support

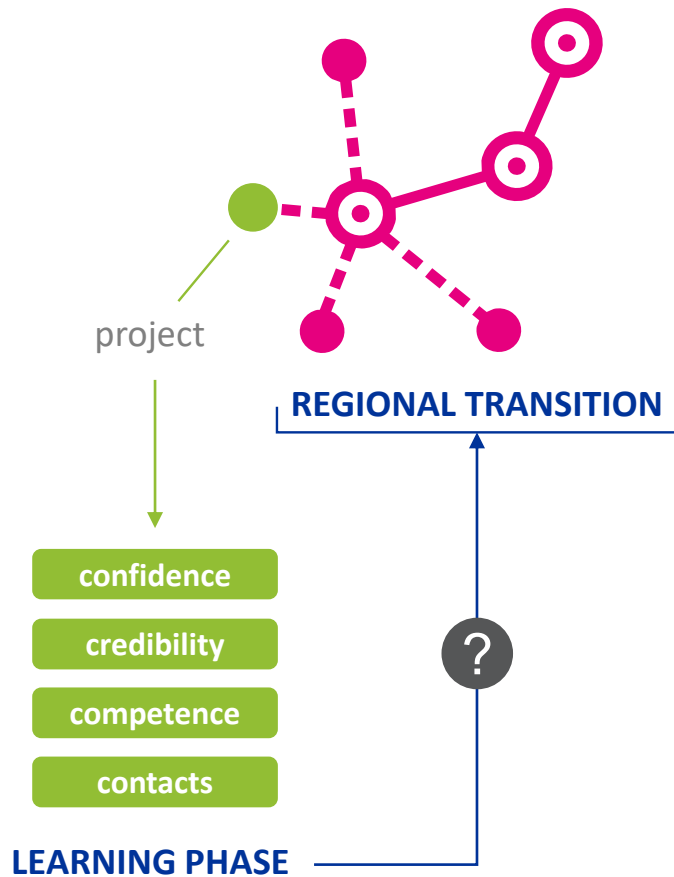


MAIN TAKEAWAYS

- It is essential to understand and prioritize the needs for support in each of the regions.
- A successful support empowers regional stakeholders to continue their projects after the PDA

Lessons Learned from PDA

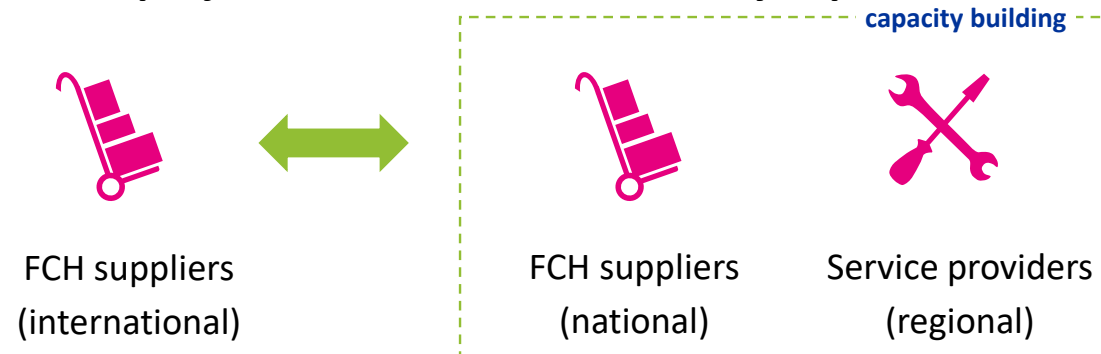
Challenges from a regional perspective (scaling-up strategies)



Do the projects have the right scale?



Do the projects have sufficient industry support?



Funding calls are available for different scales of project and levels of project maturity

Research & development

Project development

Large-scale deployment



INNOVATION FUND

Driving clean innovative technologies towards the market



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Support to Hydrogen Valleys in the Clean Hydrogen Partnership

Annual Work Programme and Call for Proposals 2024

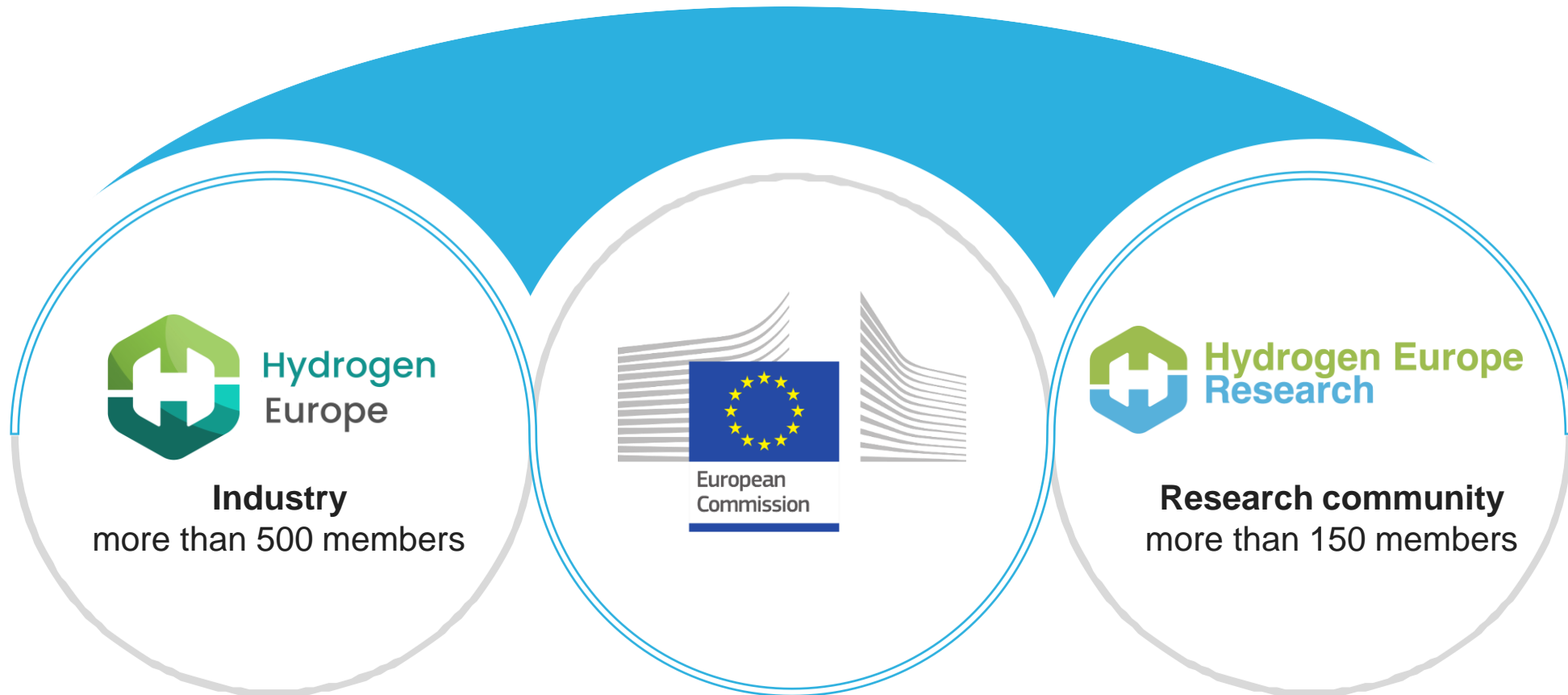
A. Aguilo-Rullan

Slides presented for the 'PDA II regions webinar on funding and financing'



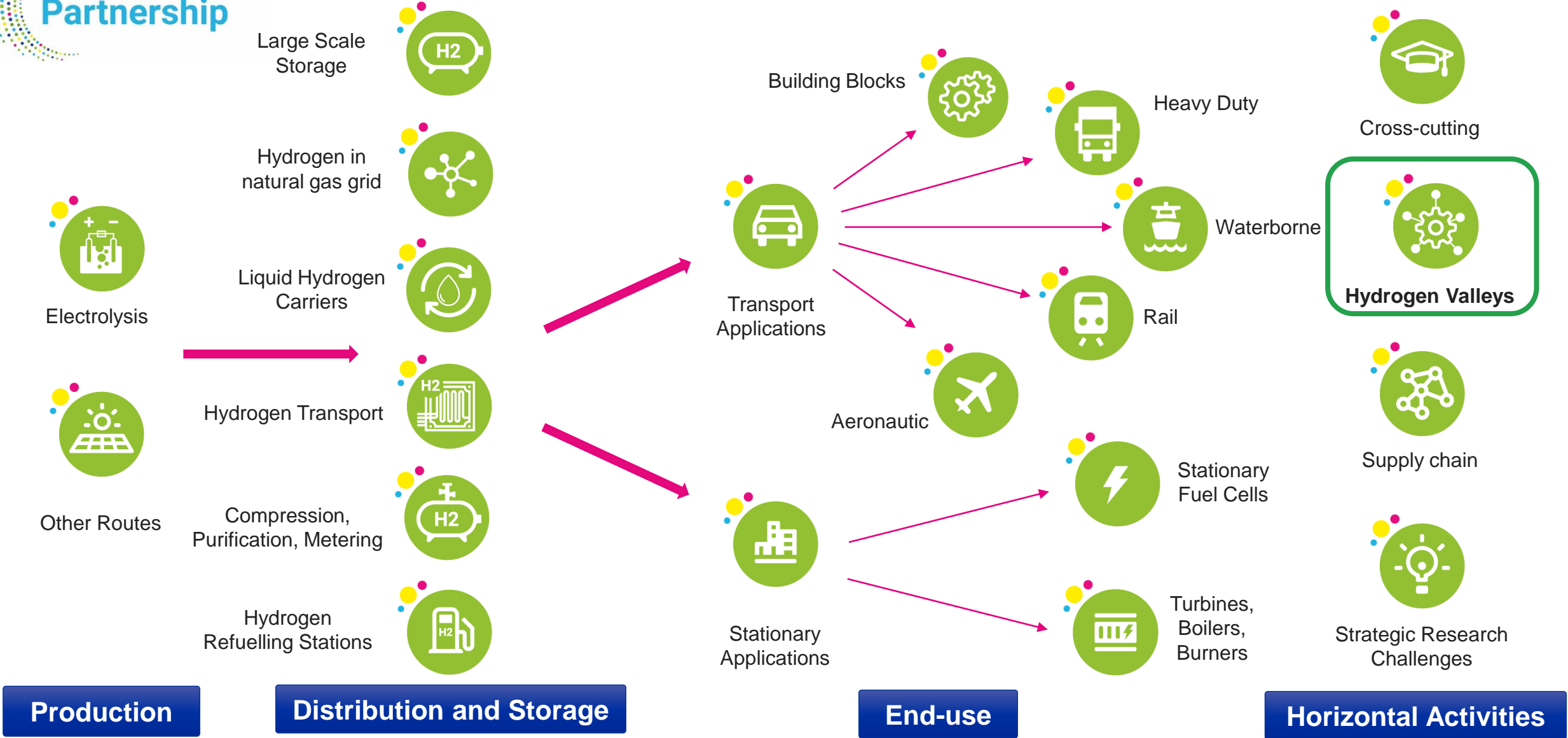
Clean Hydrogen Joint Undertaking

EU Institutional Public-Private Partnership (IPPP)



1 billion EURO from Horizon Europe* to implement R&I activities and facilitate the transition to a greener EU society through the development of hydrogen technologies

*** additional 200 million EURO for Hydrogen valleys (under RePowerEU)**



Call for proposals 2024

Total budget: 113.5 M€
Publication date: 17 January 2024
Deadline: 17 April 2024

 [Additional information](#)



Call: HORIZON-JTI-CLEANH2-2024

Total budget: 113.5 M€

Publication date: 17 January 2024

Opening of submission: 18 January 2024

Deadline: 17 April 2024

Lump sum across all topics in the Call 2024

Lump Sums Guidance

- Guidance: ["Lump sums - what do I need to know?"](#)
- [Comprehensive information on lump sum funding in Horizon Europe](#)

follows



**General
conditions**

General Annexes to Horizon Europe

- Admissibility (Annex A)
- Eligibility (Annex B), including consortium composition
- Financial and operational capacity and exclusion (Annex C)
- Award criteria (Annex D)
- Documents (Annex E)
- Procedure (Annex F)

Others important aspects:

- TRL, Gender equality plan

Work Programme 2024

May introduce additional eligibility criteria such:

- Maximum contribution per topic
- Consortium composition

+

Common elements to topics (EU competitiveness, safety plans, etc)

Application form (proposal template)



The proposal contains **three parts**:

Part A

- Part A (web-based forms) is generated by the IT system. It is based on the information entered by the participants through the submission system in the [Funding & Tenders Portal](#).

Part B

- Part B is the narrative part that includes three sections that each correspond to an evaluation criterion. Part B needs to be uploaded as a PDF document following the templates downloaded by the applicants in the submission system for the specific call or topic.

Detailed budget table

- The detailed budget table is an Excel file. You must download it from the online submission system, fill it and submit it as an annex to the Part B of your application form.

For hydrogen valleys **ONLY**

Additional Annex

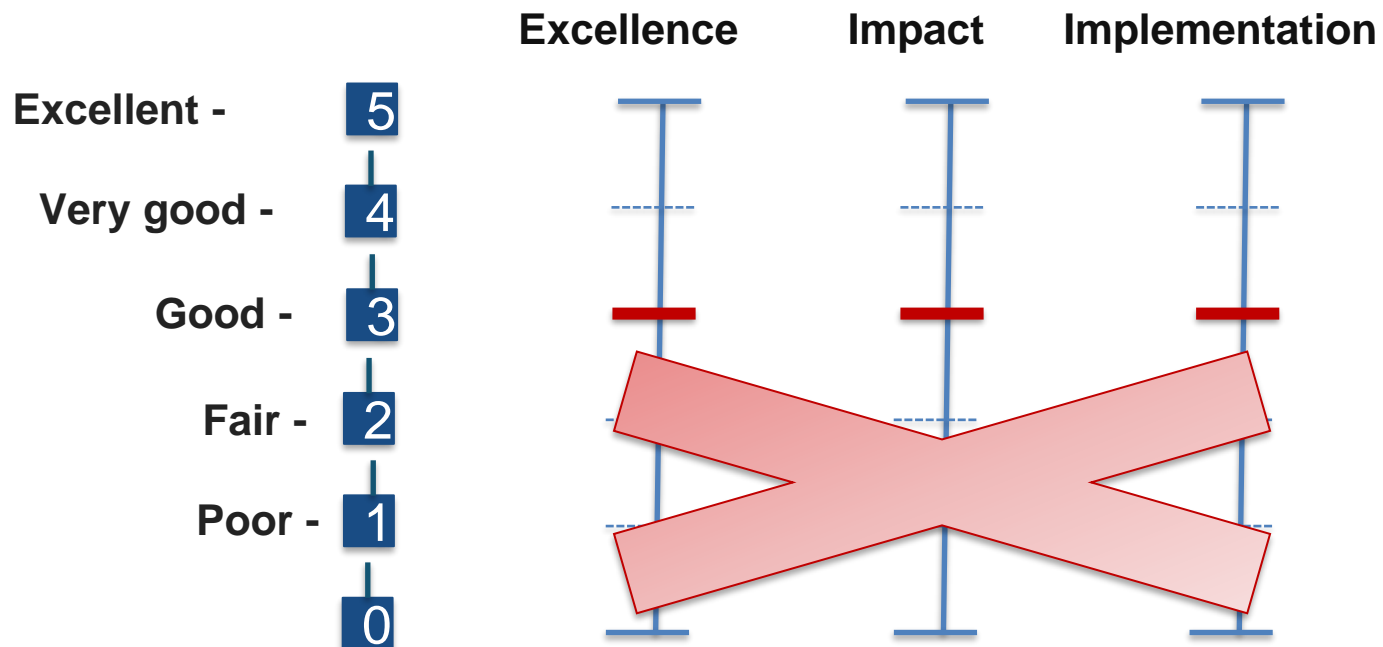
- Evidences of commitment of stakeholders

Annex D – Award criteria, scores, weighting and thresholds

The proposals will be evaluated against the following **award criteria**:

- **Excellence**
- **Impact**
- Quality and efficiency of the **implementation**

Evaluation grid available in
Annex D



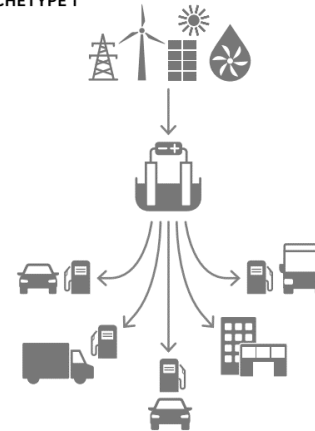
Thresholds apply to:

- Individual criterion, score must be ≥ 3
- Overall score must be ≥ 10

[i Evaluation form](#)

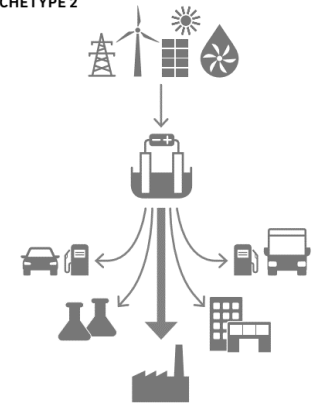
- **Hydrogen ecosystems** that cover a specific geography ranging from local / regional to specific national or international regions (e.g. cross border hydrogen corridors)
- **Hydrogen serves more than one end sector or application** in mobility, industry and energy. The various final applications share a common hydrogen supply infrastructure
- **Cover the whole value chain**, from hydrogen production (and often even dedicated renewables production) to the subsequent storage of hydrogen and distribution to off-takers via various modes of transport.

ARCHETYPE 1



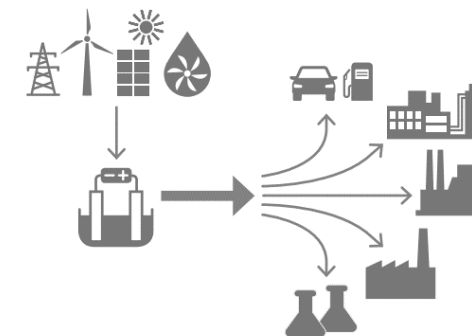
Smaller-scale local mobility-centered Hydrogen Valleys (typically 1–10+ MW of local electrolyser capacity)

ARCHETYPE 2



Medium-scale Hydrogen Valleys focusing on industrial decarbonisation (typically 10-300+ MW of local electrolyser capacity)

ARCHETYPE 3



Large-scale and ultimately export-oriented Hydrogen Valleys (typically 250-1,000+ MW of local electrolyser capacity)

Support to Hydrogen Valleys in the Clean Hydrogen JU Call 2024 - Overview



Main Focus

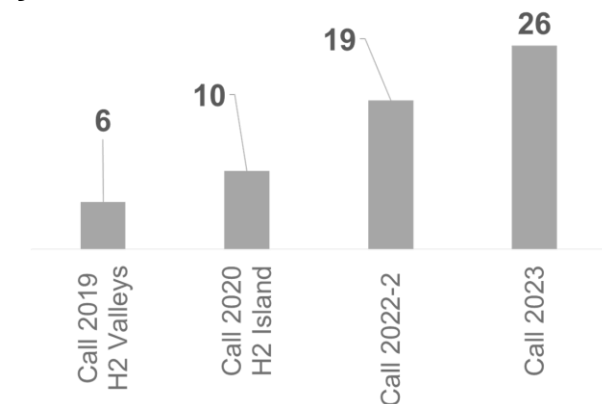
- Demonstrate an ecosystem built on the complete value chain of hydrogen;
- Large and small-scale hydrogen valleys acting as testbeds to showcase first regional "hydrogen economies";
- Topic open to foster the emergence of the widest possible array of valleys configurations;
- Innovation in Hydrogen Valleys is not about the technology development of an application, but on system integration of hydrogen production, its distribution and storage, and its subsequent use (TRL \geq 6-8)





What is new

- FAQs on Hydrogen Valleys [available](#)

Number of proposal submitted in Hydrogen Valleys Calls



Hydrogen Valleys - Overview

Topic	Type of Action	Ind. Budget (M€)
HORIZON-JTI-CLEANH2-2023-06-01: Hydrogen Valleys (large-scale)	IA 	20*
HORIZON-JTI-CLEANH2-2023-06-02: Hydrogen Valleys (small-scale)	IA 	9*

*For the Call for Proposals 2024, up to 60 MEUR additional budget is available to top-up the allocated budget for hydrogen valleys under the Call for Proposals 2024. More than one (Hydrogen Valley) project per topic will be funded, according to the final ranking at the end of the evaluation process.

!! The maximum JU contribution that can be requested is an eligibility criteria !!

Hydrogen Valleys - Topics

HORIZON-JTI-CLEANH2-2024-06-01: Hydrogen Valleys (large-scale)



Develop and demonstrate a large-scale Hydrogen Valley with innovative approaches at system level



- Production of $\geq 4,000$ tonnes of clean H₂ per year using new hydrogen production capacity (GOs)
- ≥ 2 hydrogen applications from ≥ 2 sectors (energy, industry, transport), ≥ 2 years of operations
- Costs of renewable energy plants (e.g. PV or wind plant) or related costs for operation of the Hydrogen Valley (e.g. electricity for electrolyser) are not eligible for funding

HORIZON-JTI-CLEANH2-2024-06-02: Hydrogen Valleys (small-scale)



Develop and demonstrate a large-scale Hydrogen Valley with innovative approaches at system level



- Production of ≥ 500 tonnes of clean H₂ per year using new hydrogen production capacity (GOs)
- Supply more than one end sector or application (mobility, industry energy), ≥ 2 years of operations;
- Costs of renewable energy plants (e.g. PV or wind plant) or related costs for operation of the Hydrogen Valley (e.g. electricity for electrolyser) are not eligible for funding

Hydrogen Valleys - Topics

Common elements applicable to Hydrogen Valley Topics

- Provide concrete project **implementation plans** with a clear calendar, defining the key phases of the implementation of the action;
- Provide a **funding plan** to ensure implementation of the project in synergies with other sources of funding;
- Clearly and coherently present the Hydrogen Valley including the investments/actions supported directly by this topic as well as **other investments/actions supported by other funding /financing sources**;
- Provide **evidence of the commitment** and role of public authorities and of any other necessary stakeholders at least in the form of **Letters of Intent (LOI)** should be provided (remember to include as annexes);
- Ensure coverage of aspects such as **replicability and cooperation** between regions to facilitate transfer of knowledge across the EU as well as **scalability**;
- The topics are expected to contribute to the **EU competitiveness** (support of the EU value chain and FC system components);

Lesson learnt from former Hydrogen Valleys Calls available online

- [Call 2024 Info Day presentations](#)
- [Webinar: go to 3h 50 min](#)



Hydrogen Valleys Facility

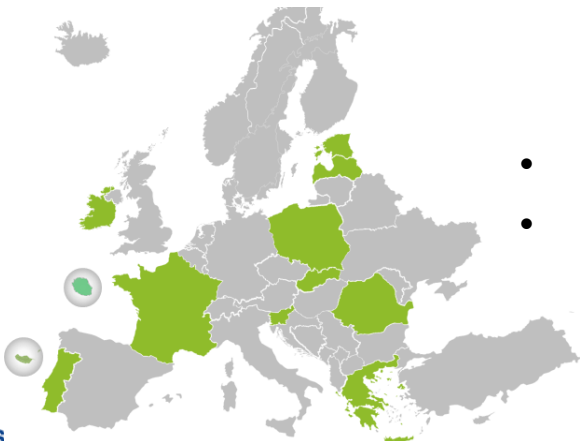
PDA I



2020 – 2021 (ended)

- 11 Projects supported;
- Observers' Network;

PDA II



2023 – 2024 (ongoing)

- 15 Projects supported;
- Workshops and supporting knowledge;

Hydrogen Valley facility

Duration: 2024 ...

Budget: € 12.5 m

Project development assistance

Support Hydrogen Valleys at different level of maturity to fine final investment decision

Horizontal Activities

- Gather knowledge & lessons learnt
- Maintain Mission Innovation Hydrogen Valley Platform;

Evaluation by independent experts

European Commission database of experts

Register through the **Funding & tender opportunities Portal** and **notify us with your interest**

Selection of experts

- High level of skill, experience and knowledge
- Independence and absence of conflict of interest

And **a balance** in terms of:

- geographical diversity
- gender
- where appropriate, the private and public sectors, and
- an appropriate 'rotation' from year to year.

In principle, each proposal will be examined by **at least three experts**

Presence of **one or more independent observers**

Experts that have a **conflict of interests** will be excluded by us !



25% new experts



Large fields of expertise



Network with fellows

Click [here](#) to register!

Please address your questions to:

PROJECTS@clean-hydrogen.europa.eu



For further information

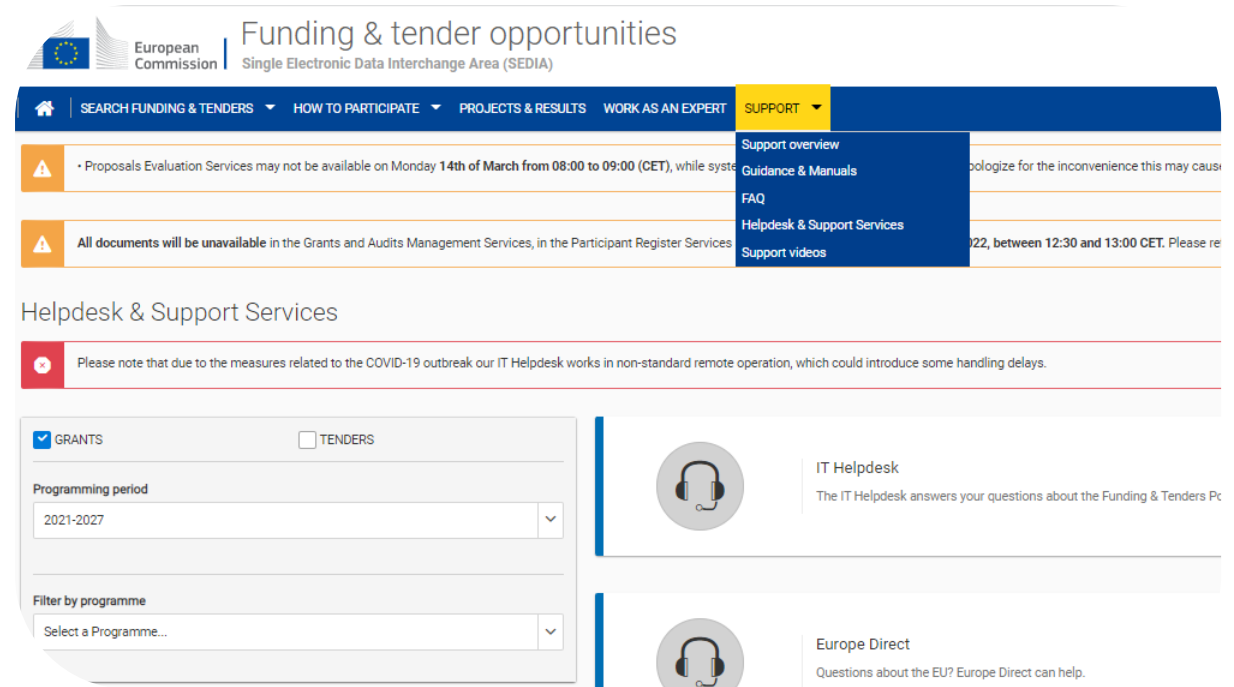
<https://www.clean-hydrogen.europa.eu/>



[Funding and Tenders Opportunities Portal](#)

Get Support

- [Online Manual](#) is your guide on the procedures from proposal submission to managing your grant
- [IT How To](#) wiki (guide for IT processes)
- [Funding & Tender Portal FAQ](#) find the answers to most frequently asked questions on submission of proposals, evaluation and grant management
- [Research Enquiry Service](#) enquiries about the validation process of the legal entities
- PROJECTS@clean-hydrogen.europa.eu



The screenshot shows the European Commission's 'Funding & tender opportunities' portal. The header includes the European Commission logo and the text 'Single Electronic Data Interchange Area (SEDIA)'. A navigation bar contains links for 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. The 'SUPPORT' menu is open, showing options for 'Support overview', 'Guidance & Manuals', 'FAQ', 'Helpdesk & Support Services', and 'Support videos'. Below the navigation, there are two orange warning banners: one about 'Proposals Evaluation Services' being unavailable on Monday 14th of March, and another about 'All documents' being unavailable in various services. A 'Helpdesk & Support Services' section features a red warning banner about COVID-19 related IT Helpdesk delays. Below this, there are two service cards: 'IT Helpdesk' and 'Europe Direct', each with a headset icon and a brief description of their services.

[Call 2024 publication](#)
 Info Day 26 January: [Call details \(presentations and recording\)](#)



One dedicated [lump sum page](#) on the Funding & Tenders Portal with:

Guidance documents

- [What do I need to know? & Quick guide](#)
- [Frequently asked questions](#)
- [Detailed guidance for participants](#)
- [Lump sum briefing slides for experts](#)

Reference documents

- [Model Grant Agreement Lump Sum](#)
- [Decision authorising the use of lump sum contributions under the Horizon Europe Programme](#)

Events

- Future events
- Past events and recordings



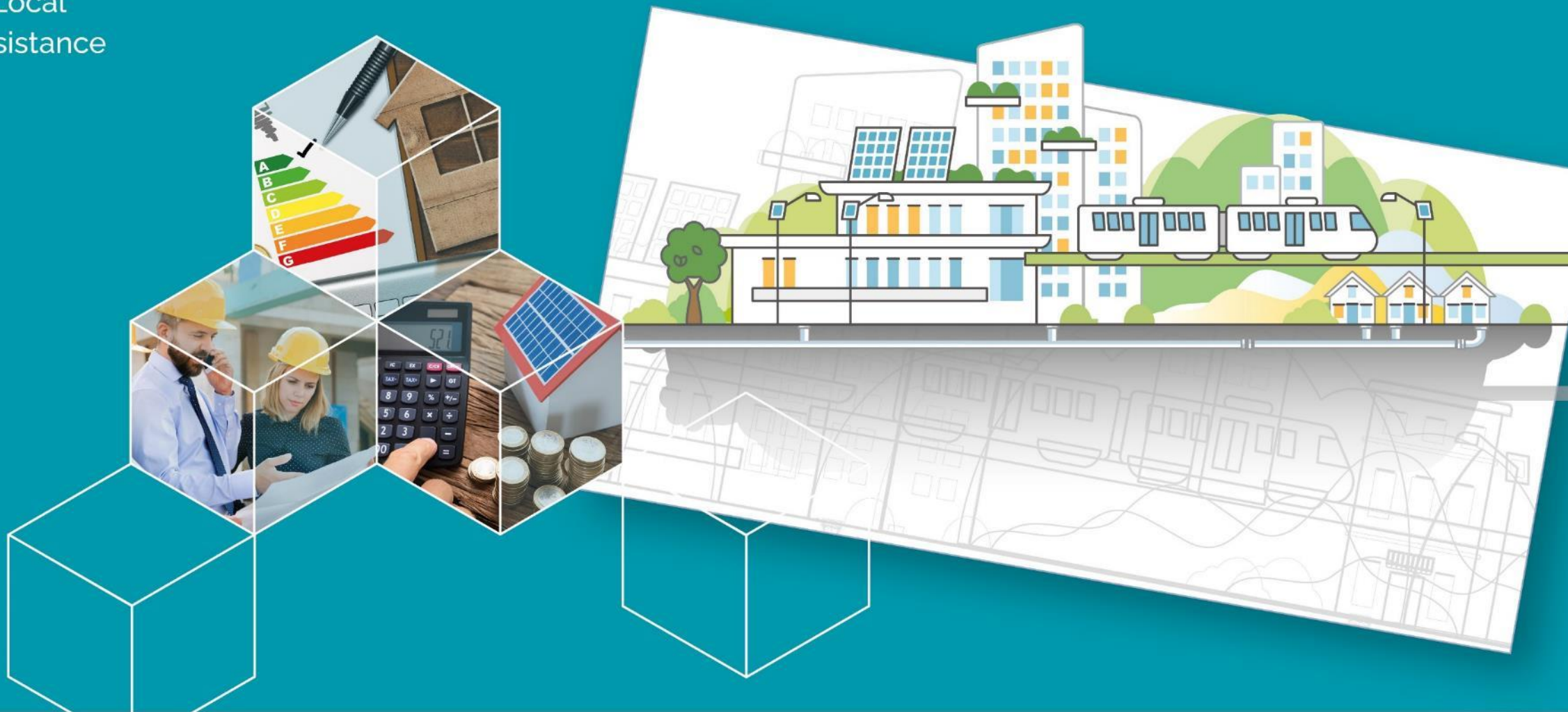
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ELENA

European Local
ENergy Assistance

Making investments happen



Investment Programme (IP)

Sustainable Energy

- Building renovation (public & private)
- Renewables in buildings:
 - Solar PV+WH
 - Biomass boilers
- Street lighting
- District/cooling heating networks



Residential

- Housing renovation (private & social)
- Integrated Renewables:
 - Solar PV
 - Solar WH
 - Biomass boilers
 - Heat pumps

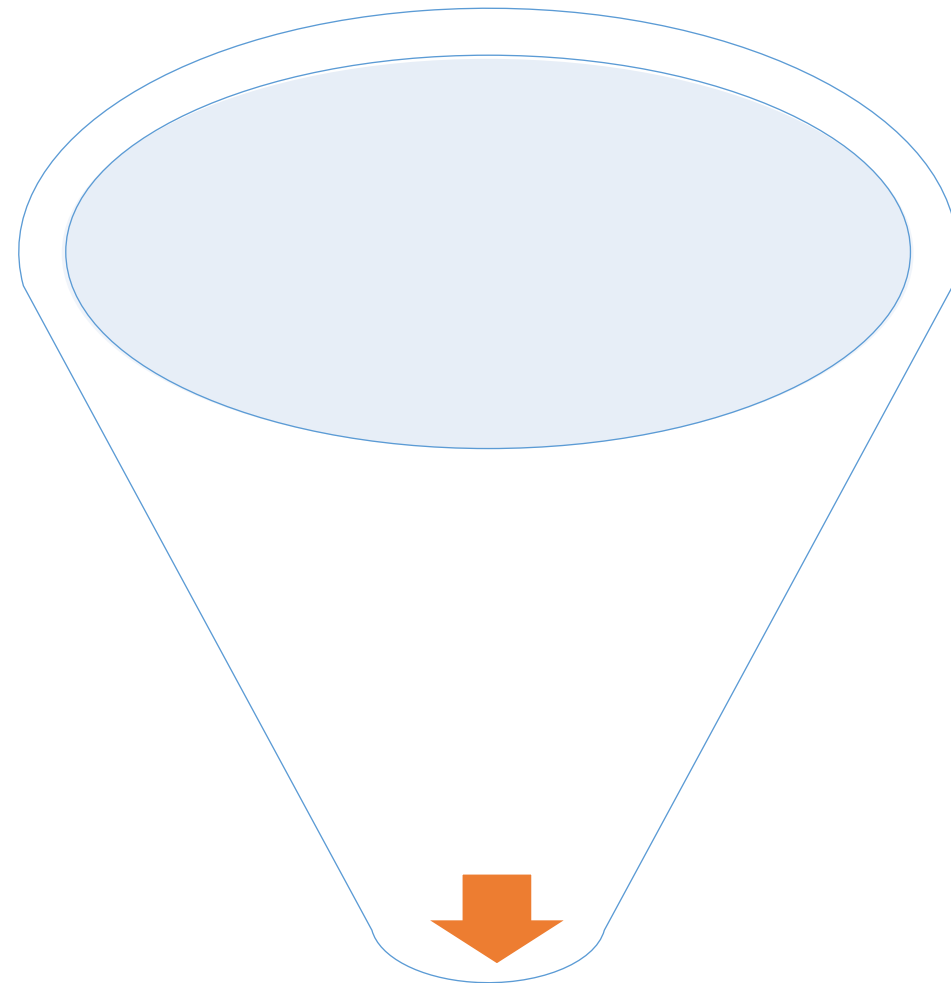
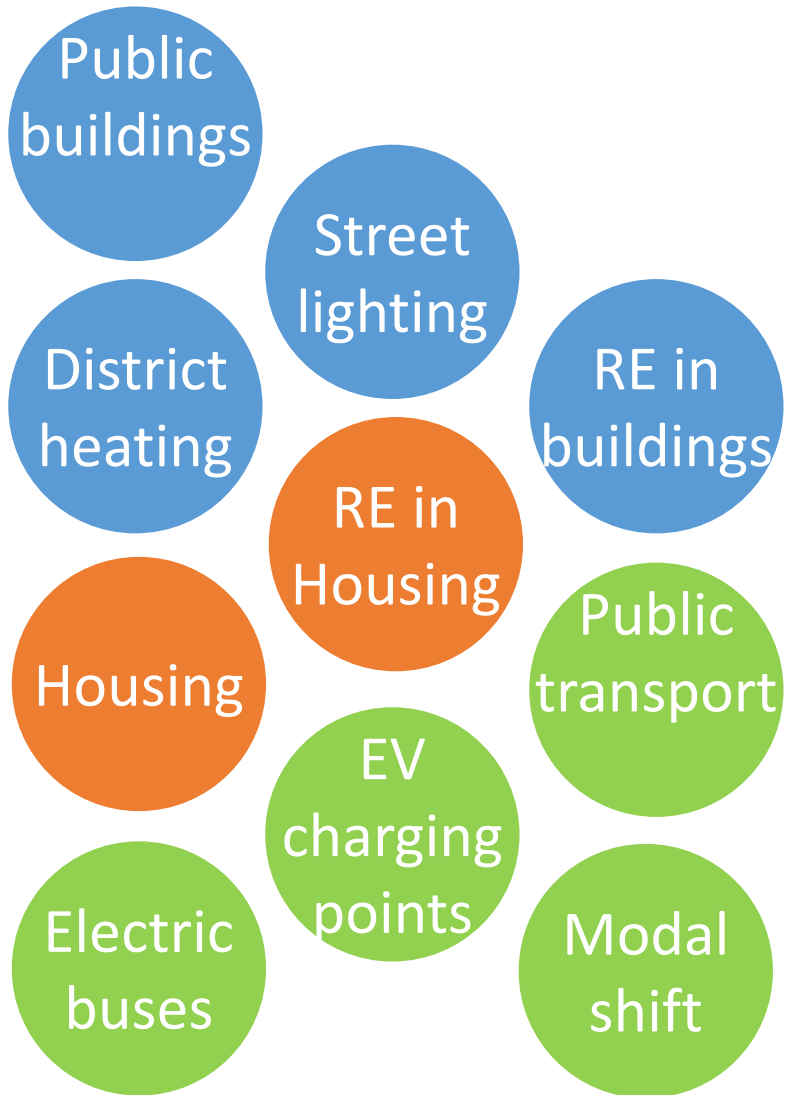


Urban transport

- Improved public transport and mobility
- Electric buses
- Charging stations
- Alternative fuel vehicles
- IT for model shift



Investment portfolio – Mix & Match

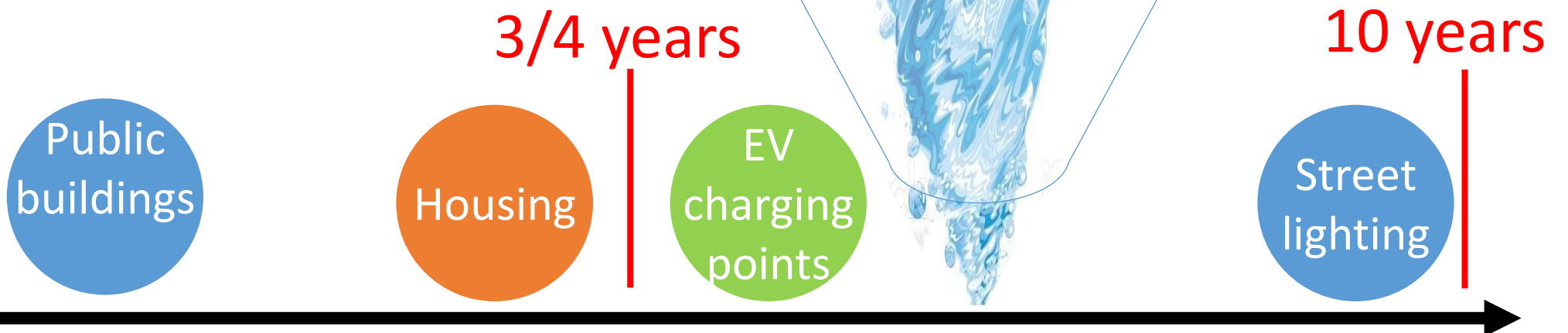
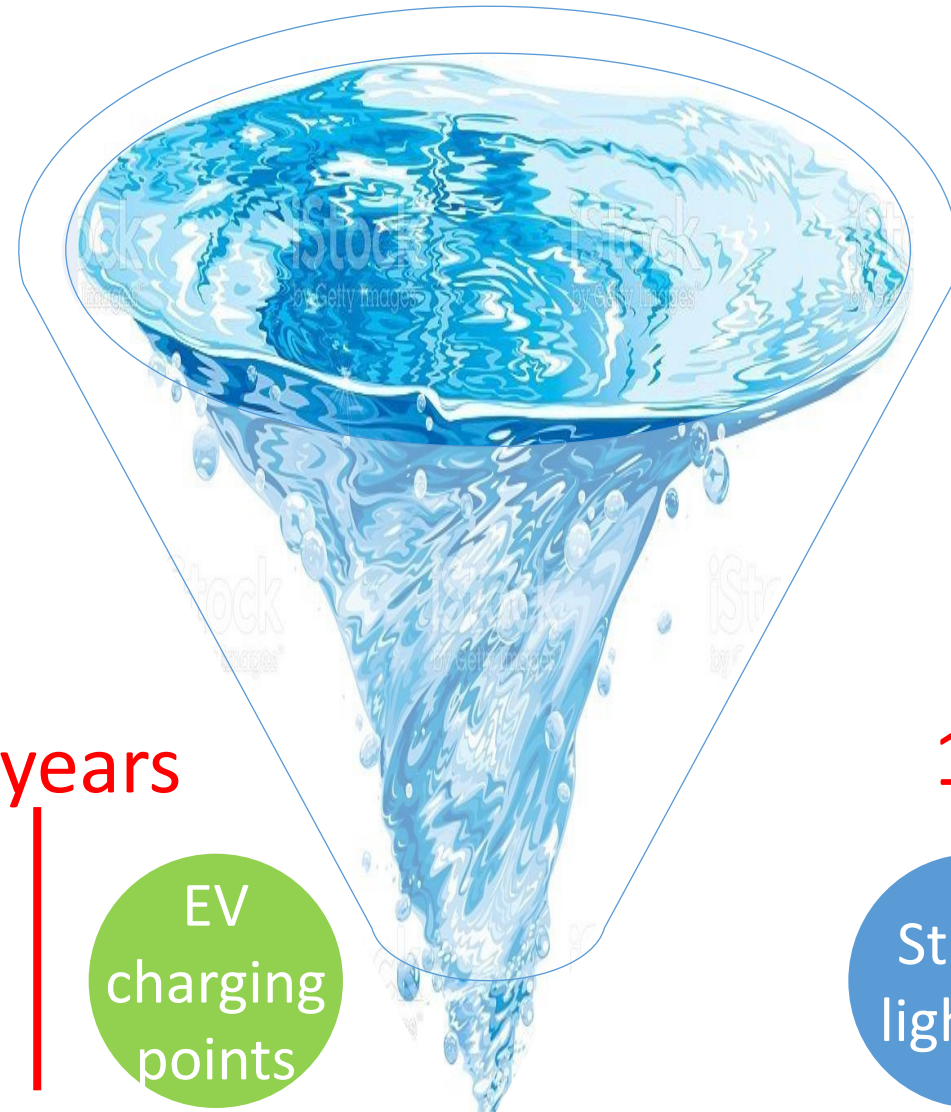


€100m
€90m
€80m
€70m
€60m
€50m
€40m
€30m
€20m
€10m

ELENA

Investment portfolio – Participants & Timeline

Central government	Ministries
Regional government	Municipalities
One Stop Shop Private entity	Households
Bank	Businesses/SMEs



Project Development Services (PDS)

**Internal
staff**

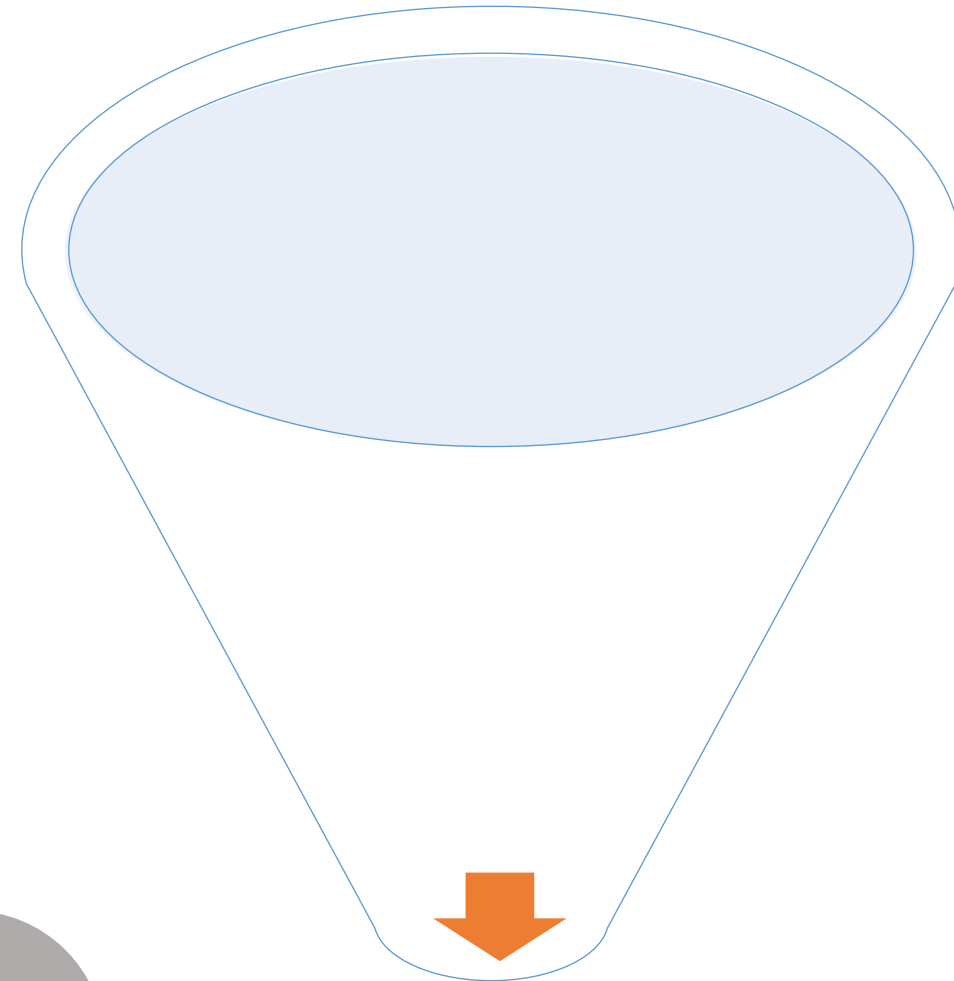
**External
experts**

- Stakeholder engagement & co-ordination
- Promotion & marketing
- Feasibility & technical studies
- Energy audits
- Structuring, bundling & business plans
- Tendering procedures & documentation
- Legal/financial advisory
- Project management

Above are examples, lists not exhaustive

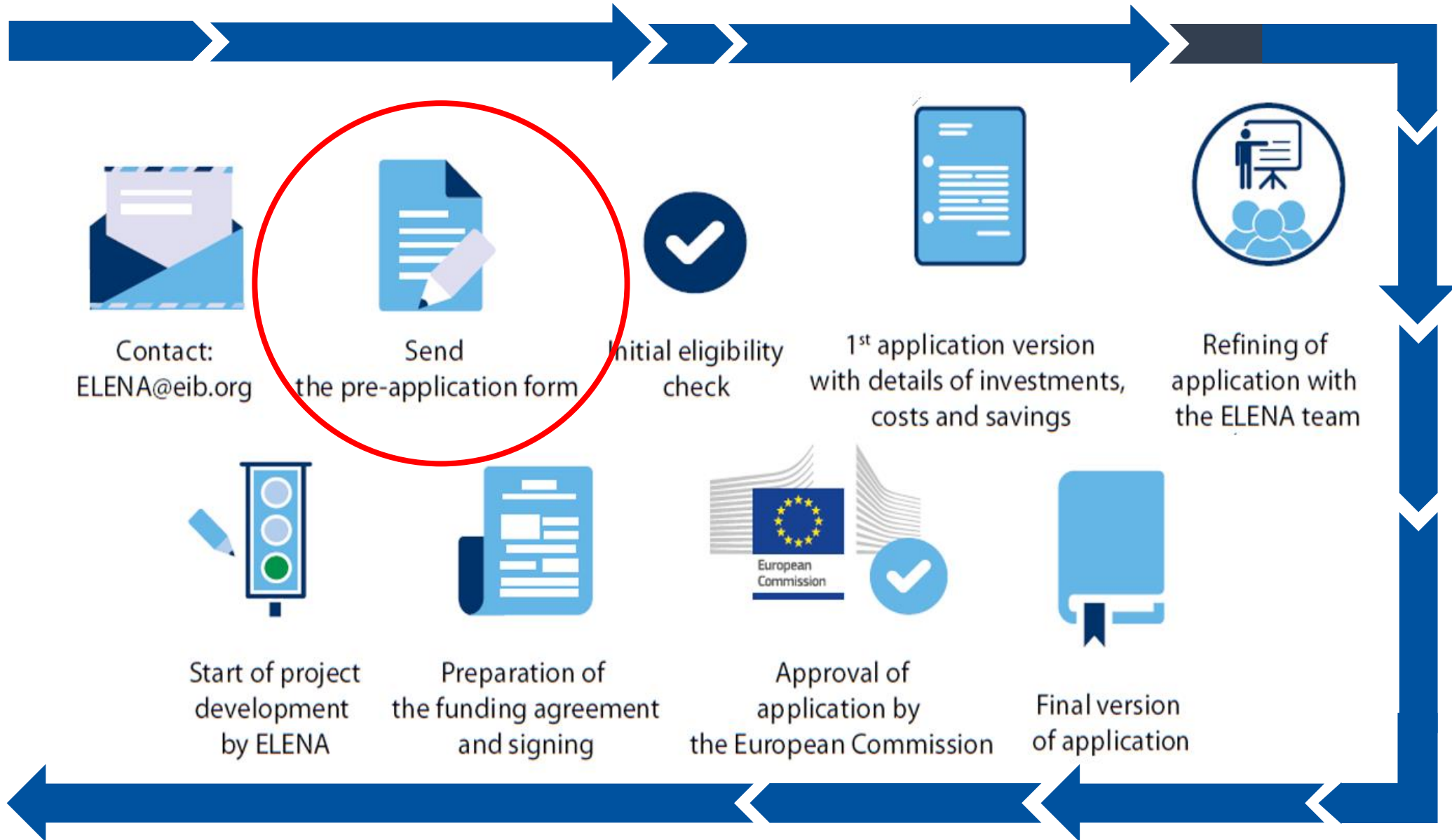
Project Development Services – Mix & Match

1. Decide what you need to make the investment happen
2. Decide what you can do in-house and what to outsource



ELENA

Application Process – interactive with EIB



Pre-application (1)

1. Applicant's identification					
1.1 Organisation Name	<i>[organization legal name incl. legal form SA, PLC, Ltd, etc.]</i>				
1.2 Address & Country	<i>[organization's official registered address, no branch addresses permitted]</i>				
1.3 Main activities	<i>[brief description of the main roles of the applicant, mission]</i>				
1.4 Legal Status	Please select				
1.5 Nature	Please select <i>If other:</i> Please select				
1.6 Listed company	Please select If yes, percentage of publicly tradable shares:%				
1.7 NACE activity	<i>[Use the NACE Codes nomenclature one activity 1-letter code + one 2-digit sub-activity code]</i> <table border="1"><thead><tr><th>Activity code</th><th>Sub-activity code</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	Activity code	Sub-activity code		
Activity code	Sub-activity code				

Pre-application (2)

2. Investment Programme (IP)		
2.1 Location of the IP	Country level	<input type="checkbox"/> [specify country]
	Region level	<input type="checkbox"/> [specify region]
	Municipal level	<input type="checkbox"/> [specify municipality]
2.2 Sectors targeted	Public Buildings	<input type="checkbox"/> Building integration Renewables
	Residential buildings	<input type="checkbox"/> District heating
	Street lighting	<input type="checkbox"/> Urban mobility
	Traffic lighting	<input type="checkbox"/> Smart Grids
	Others	<input type="checkbox"/>
	For others please specify	
2.3 Brief Description of the IP	[Please briefly describe (0.5 pages) the IP. Include a map of the city centre showing the location of the IP.]	
2.4 Expected investment components²	Sector	
	Public Buildings	Choose an item
	Residential buildings	Choose an item
	Street lighting	Choose an item
	Traffic lighting	Choose an item
	Renewables	Choose an item
	District heating	Choose an item
	Urban mobility	Choose an item
	Smart Grids	Choose an item
Total		

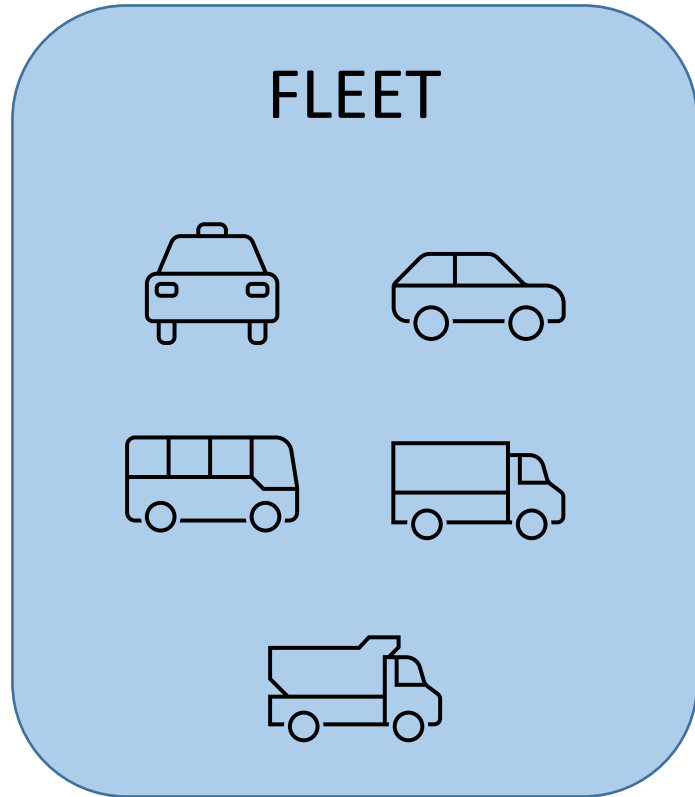
- Acquisition of approx. 100 battery electric buses (BEBs) for public transport services in the city.
- Deployment of approx. 500 high power charging stations for passenger cars to be located at urban mobility hubs.
- Implementation of an ITS enabled Zero Emission Zone (ZEZ) enforcement system in the city centre covering an area of 25 km².

Pre-application (4)

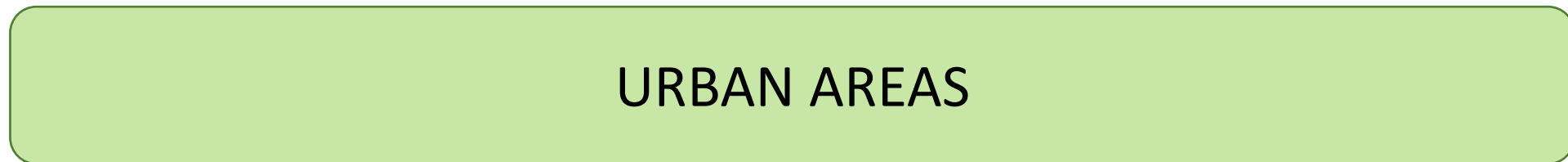
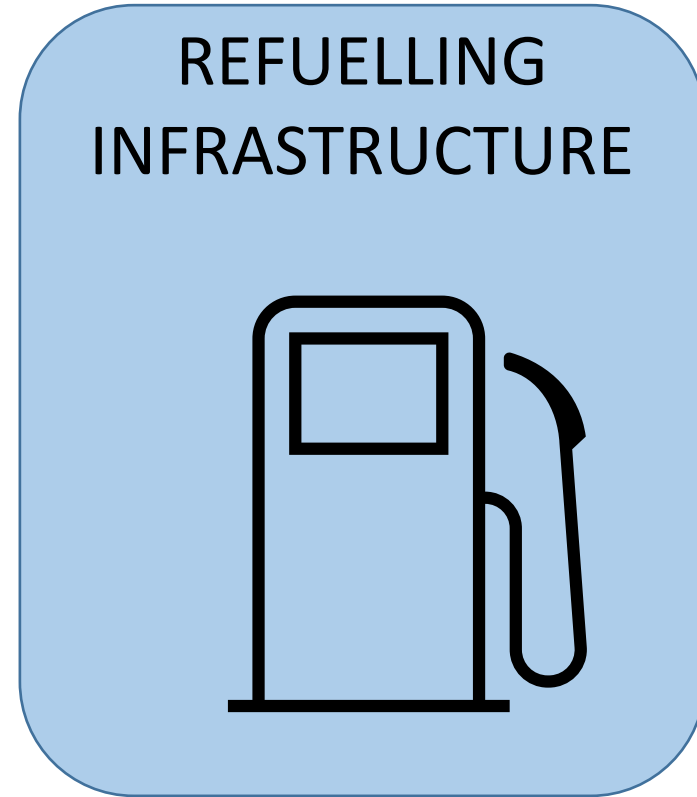
4. Project results			
4.1 Leverage Factor ³	[Overall investment / 0.9 x eligible PDS costs]		
4.2 Expected impacts, if can be estimated at this stage	Impact	Result	Unit
	Savings		[GWh/y]
	Renewable energy sources		[GWh/y]
	Greenhouse gas emissions		[t CO _{2eq} /y]
	Staff time		[years]
Jobs created		FTE	

$$\frac{\text{Investments}}{0.9 \times \text{PDS costs}} = \frac{36,000,000}{0.9 \times 1,200,000} = 33$$

ELENA Support to the H2 Ecosystem



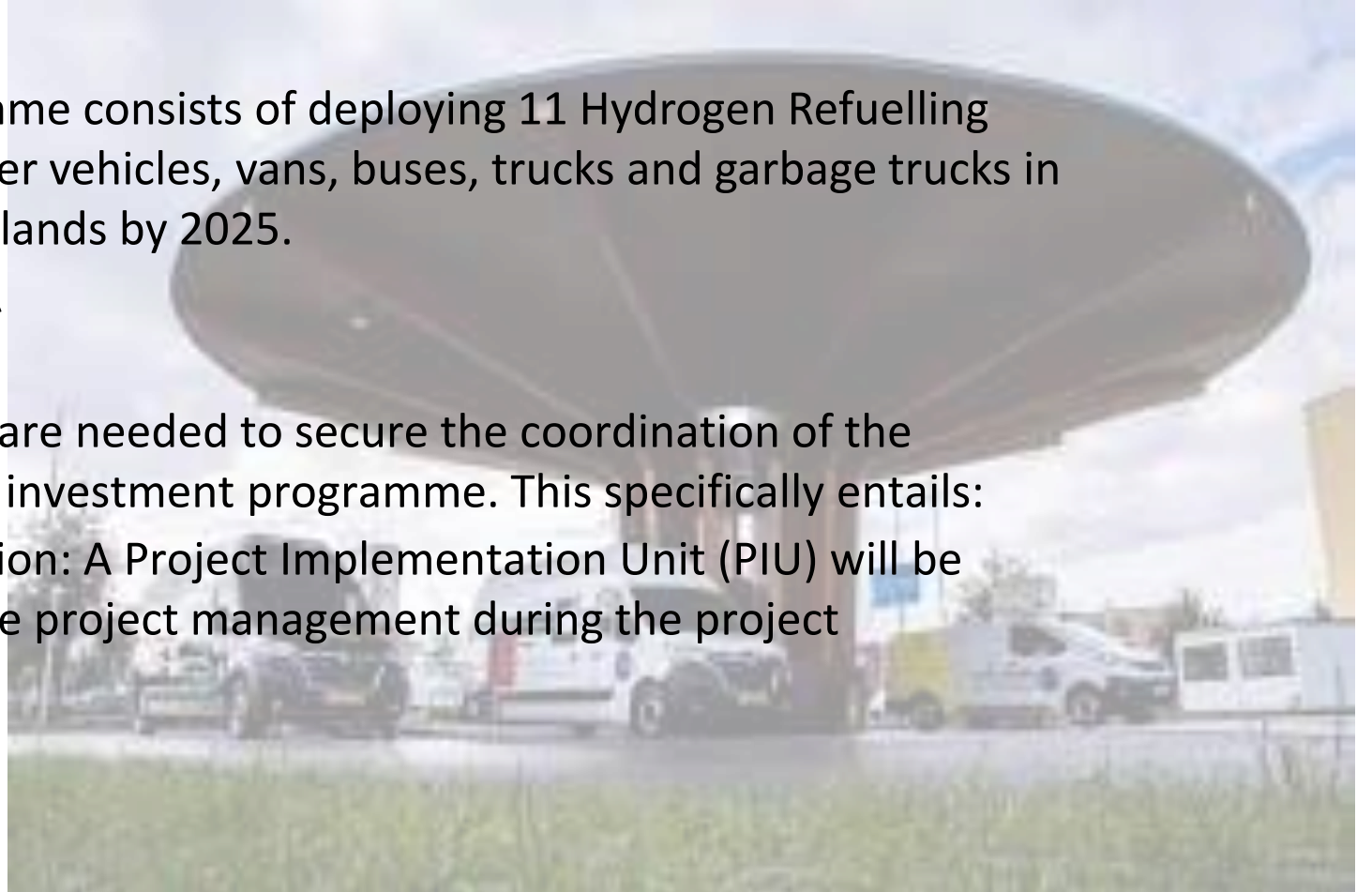
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ELENA Support to the H2 Ecosystem

Fountain Fuel Hydrogen Refuelling Stations

- Beneficiary: Fountain Fuel B.V. (NL)
- Objective: The investment programme consists of deploying 11 Hydrogen Refuelling Stations (HRS) for the use of passenger vehicles, vans, buses, trucks and garbage trucks in urban/sub-urban areas in the Netherlands by 2025.
- Investment cost planned: 33MEUR
- ELENA support: 1.45 MEUR
- PDS activities supported: The PDS are needed to secure the coordination of the preparation and development of the investment programme. This specifically entails:
 - Project Management & Coordination: A Project Implementation Unit (PIU) will be established and responsible for the project management during the project development phase.
 - Technical & Feasibility Studies
 - Legal Advice
 - Financial Advice

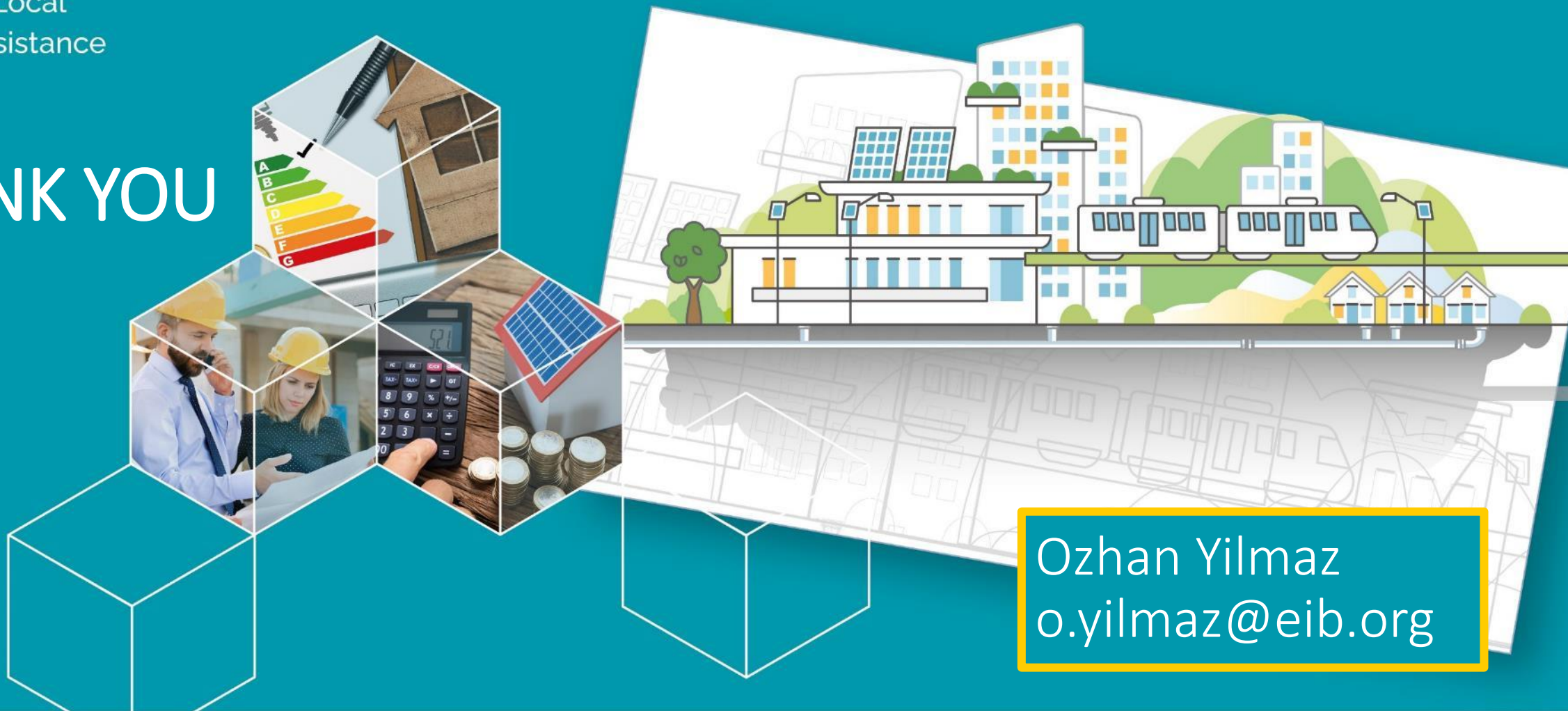


ELENA

European Local
ENergy Assistance

Making investments happen

THANK YOU



Ozhan Yilmaz
o.yilmaz@eib.org

Agenda

10:00 – 10:15	Introductory presentation – review of PDA programme and lessons learnt
10:15 – 10:30	The Clean Hydrogen Partnership
10:30 – 10:45	The EIB Elena Facility
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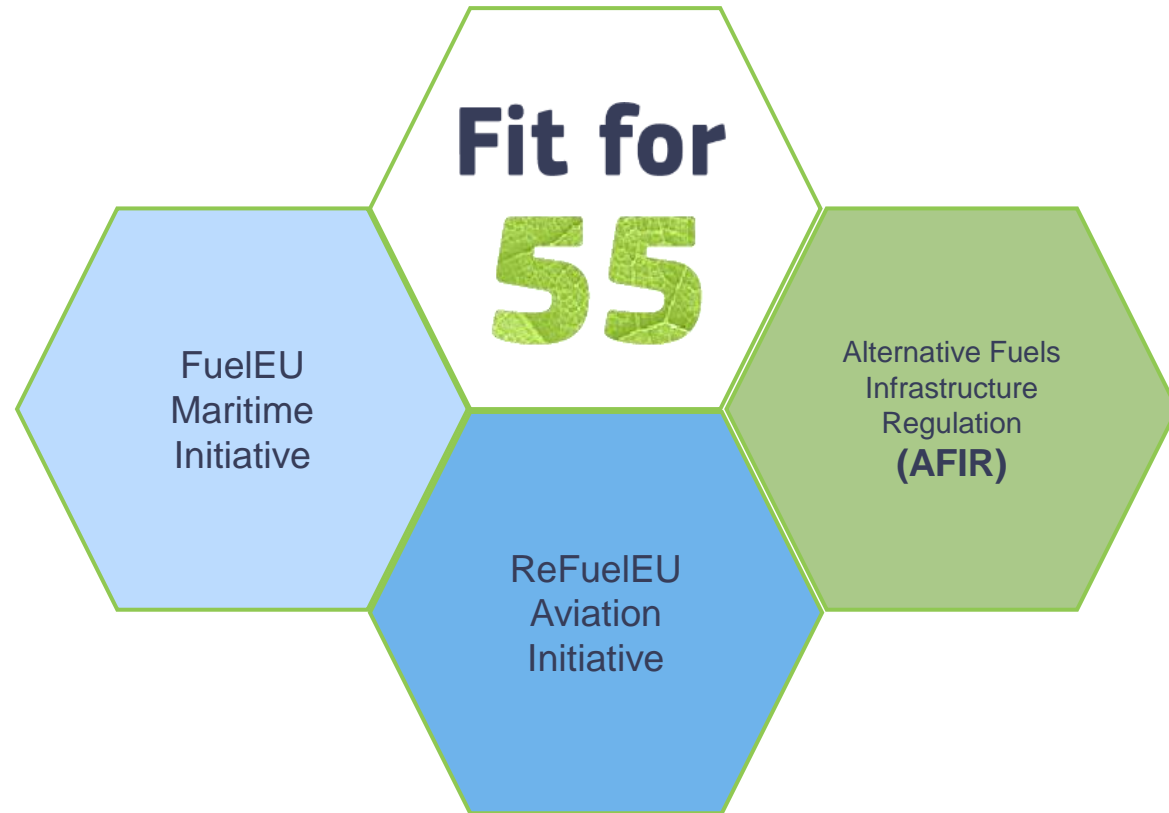
Connecting Europe Facility AFIF

Project Development Assistance
Financial Workshop



Richard FERRER
Head of Alternative Fuels Sector, CINEA

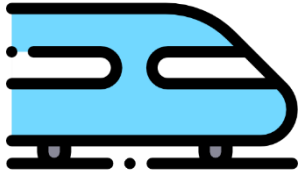
EU policy objectives - Transport



CEF policy objectives

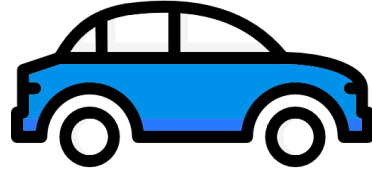
- Contribute to:
 - **Green Deal**
 - **Sustainable and Smart Mobility Strategy**
 - **TEN-T network** (new Regulation)

Fuels & Modes



Rail

- ✓ already electrified
- ✓ Focus on renewable electricity
- ✓ Hybrid systems (battery or **Hydrogen fuel cell**)



Road

- ✓ Supply for zero-emission electric powertrains (**LDV & HDV**)
- ✓ Supply for **Hydrogen** (LDV & HDV)
- ✓ Including for **public transport**



Maritime

- ✓ Push for on-shore power supply in ports
- ✓ **Hydrogen** for waterborne transport
- ✓ **Ammonia & Methanol** for waterborne transport
- ✓ **LNG => transition / no CEF support**



Aviation

- ✓ Electrification of **airport ground handling services**
- ✓ **Hydrogen**
- ✓ Advanced biofuels and e-fuels



Alternative Fuels Infrastructure Facility (AFIF - Phase II)



AFIF call priorities



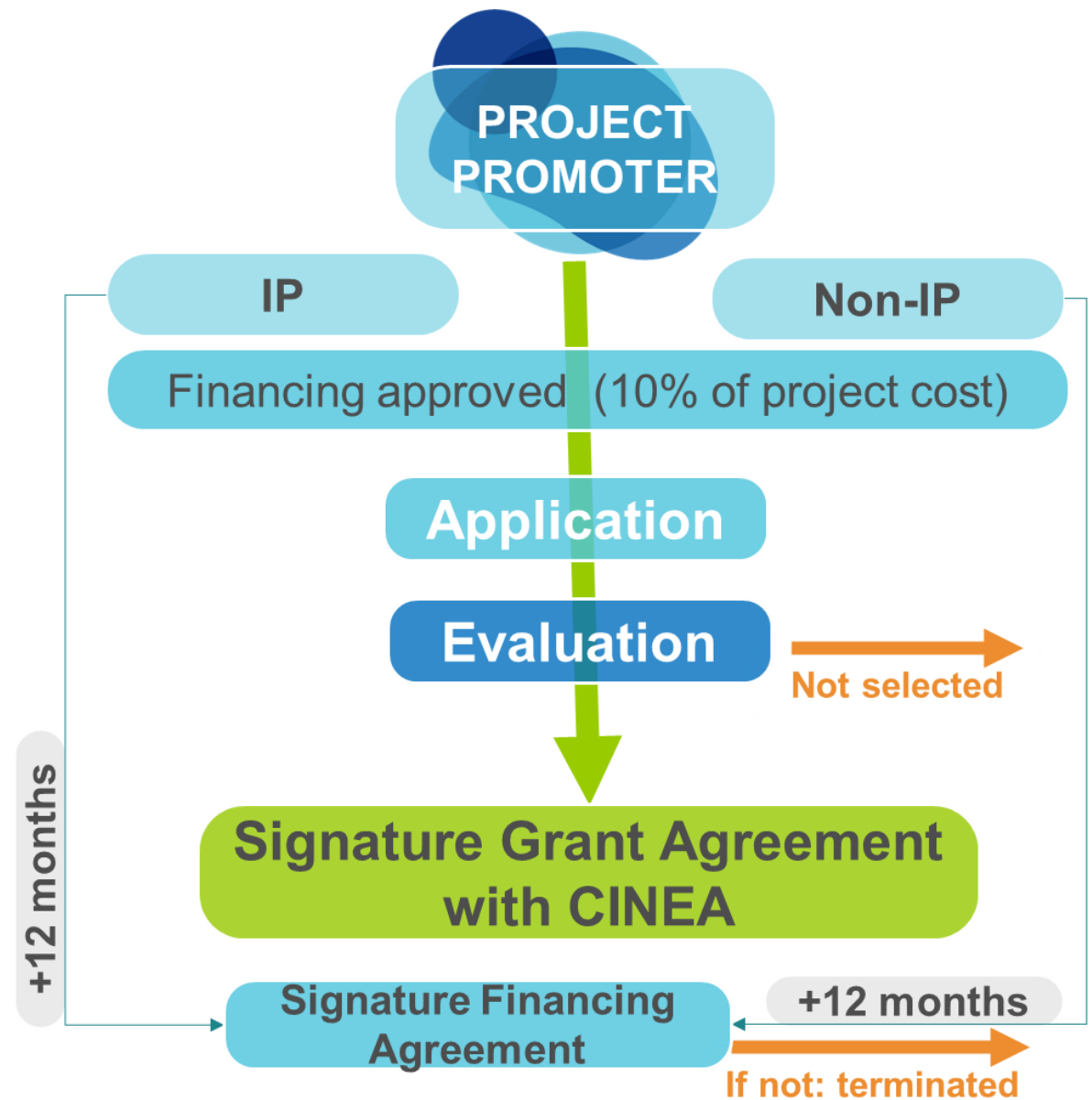
- Electricity recharging infra. *(unit contributions)*
- Electricity & **Hydrogen** infra. *(co-funding rate)*
- Ammonia & Methanol infra. *(co-funding rate)*

Blending

+/- €1 Billion

Implementing Partners (EIB, National promotional banks)

Commercial Banks established in EU



Implementing Partners

EU

European Investment Bank – **EIB**

The European Bank for Reconstruction and Development - **EBRD**

SI

Slovenska Izvozna In Razvojna Banka - **SID**

MT

Malta Development Bank - **MDB**

HU

Hungarian Development Bank - **MFB**

NL

Invest-NL

BE

Participatiemaatschappij Vlaanderen - **PMV**

BG

Bank Gospodarstwa Krajowego - **BGK**

FI

Finnvera Plc.

ES

Instituto de Crédito Oficial - **ICO**

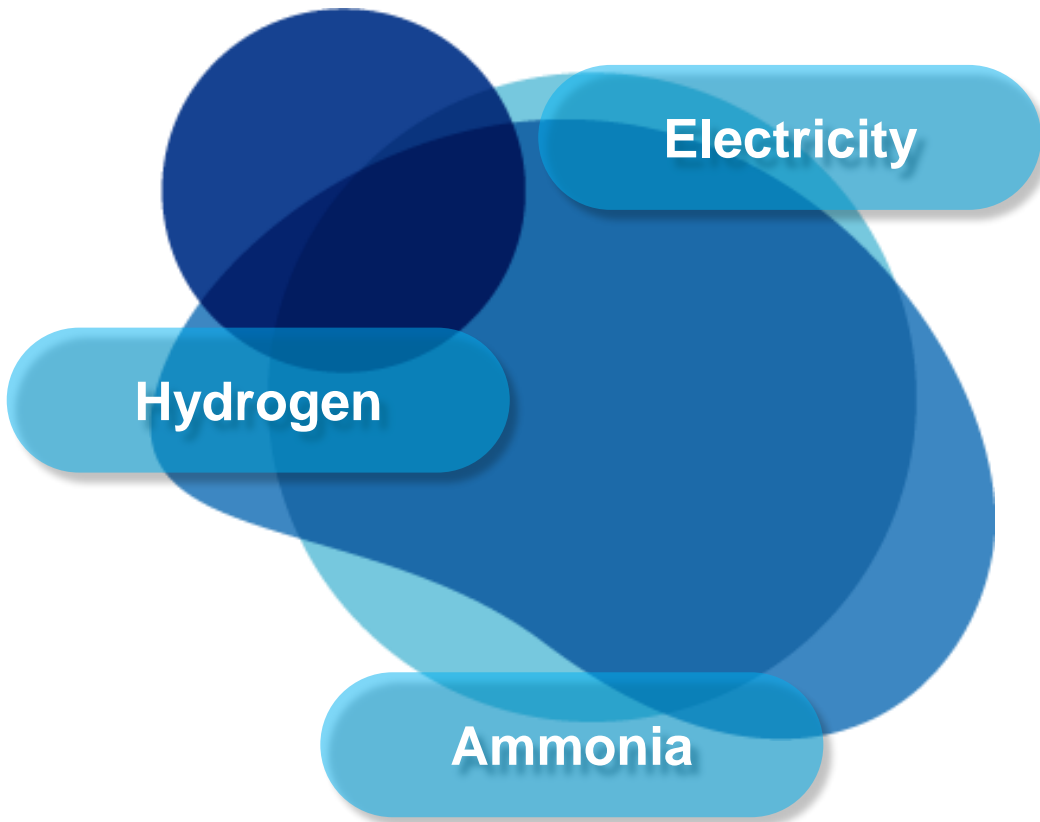
IT

Cassa depositi e prestiti - **CDP**

FR

Caisse des dépôts et consignations - **CDC**





Synergy
20%

A graphic consisting of three overlapping circles in shades of green and blue, with a light blue rounded rectangular label containing the text 'Synergy 20%'.

Zero emission transport

Road transport, Rail transport & Airports

HRS for LVD/HDV



Eligible

- HRS 350/700 bar in open access
- HRS 350/700 bar for Public Transport

Location

TEN-T network +/-10 km & urban nodes

Airport Ground Operations



Eligible

- H2 to supply stationary aircrafts & airships
- H2 to supply ground operations

Location

TEN-T airports / Annex II.2 of TEN-T Regulation

HRS for Railways



Eligible

- HRS supplying railways

Location

Non-electrified network sections (derogation)

Terminals for shunting locomotives

Isolated network

Inland & maritime ports



Hydrogen

Hydrogen Refueling Stations for IWW & maritime vessels

Eligible

- Hydrogen Refueling Stations (HRS)
- Port vehicles, equipment, vessels
- *On-shore Power Systems (OPS)*

Ammonia

Ammonia Refueling facilities for IWW & maritime vessels

Eligible

- Hydrogen Refueling Stations (HRS)
- Port vehicles, equipment, vessels
- Ammonia Bunkering vessels

Location

In TEN-T inland waterway and maritime ports areas

Financial support

Unit Contribution

Electric Charging points			
Min 150 kW		Min 350 kW	
General	Cohesion	General	Cohesion
20.000 €	30.000 €	40.000 €	60.000 €

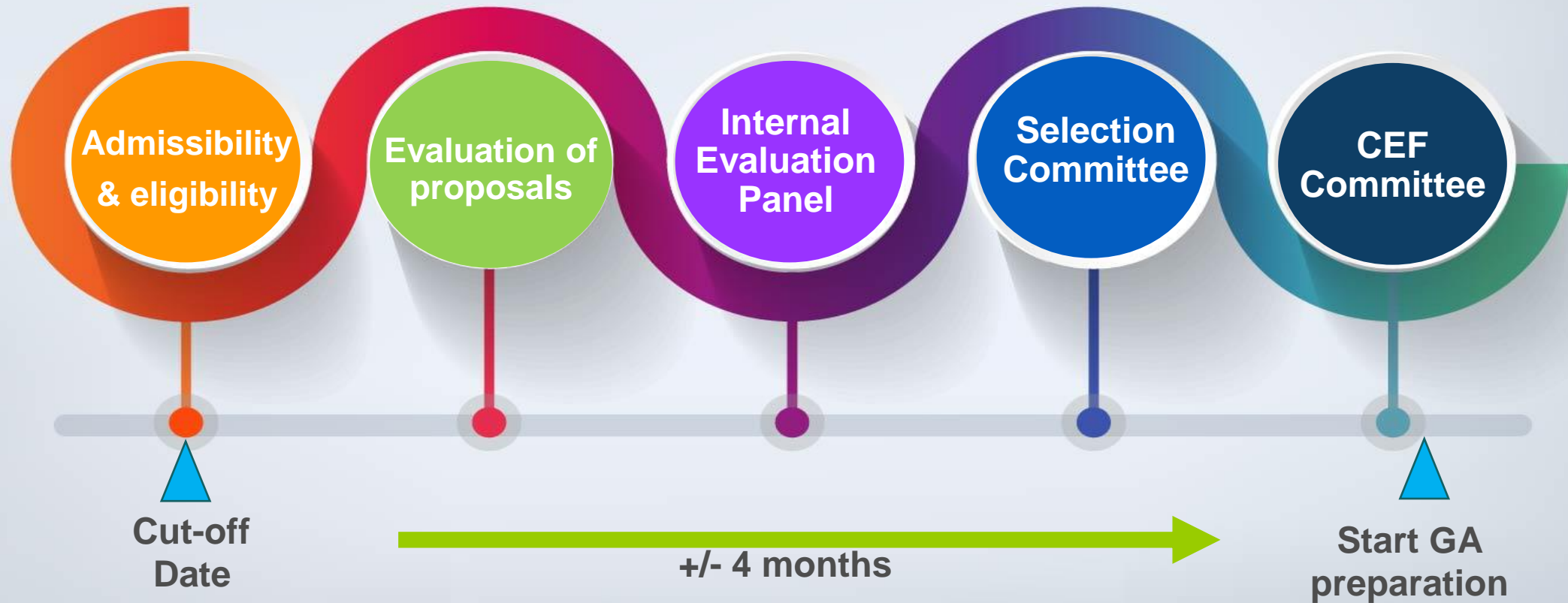
Maps: TENtec Public Viewer

<http://ec.europa.eu/transport/infrastructure/tentec/tentec-portal/map/maps.html>

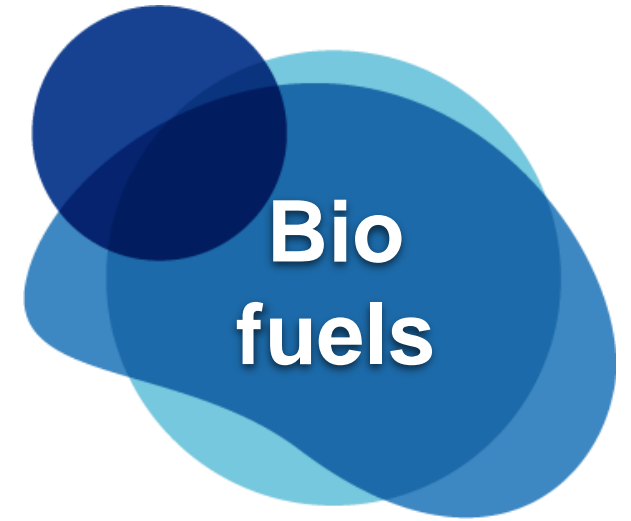
Support rate

Hydrogen		Electrification	
Gen Env	Coh Env	Gen Env	Coh Env
30%	50%	30%	50%

Evaluation process





Award criteria

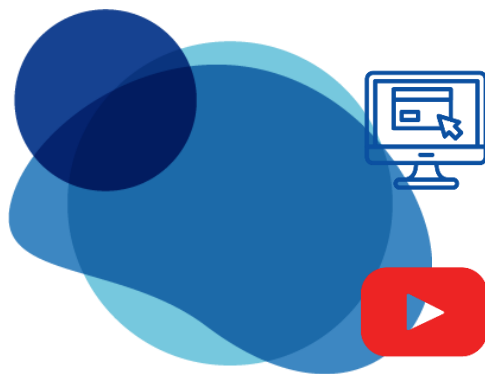


Timetables and deadlines

! Provisional
To be
confirmed

	1st cut-off	2nd cut-off	3rd cut-off	
 Deadline for submission	Q3 2024	Q2 2025	Q4 2025	 Project duration up to 39 months
<i>Information on results</i>	<i>tbc</i>	<i>tbc</i>	<i>tbc</i>	
<i>GA signature</i>	<i>tbc</i>	<i>tbc</i>	<i>tbc</i>	

European Climate, Infrastructure and Environment Executive Agency



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European
Commission

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Thank you very much for your attention!

Contact

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