



//EU HYDROGEN  
RESEARCH DAYS  
15-16 NOVEMBER

# European Hydrogen Valleys



Co-funded by  
the European Union

# Agenda

//EU HYDROGEN

RESEARCH DAYS

15-16 NOVEMBER

<p><b>13:30 – 15:15</b></p>	<p><b>European Hydrogen Valleys</b></p> <p><b>Moderator: Antonio Aguilo Rullan</b></p> <ul style="list-style-type: none"> <li>- Working with regions <i>Antonio Aguilo Rullan, Project Officer, Clean Hydrogen Partnership</i></li> <li>- State of play of H<sub>2</sub> valleys in Europe - Presentation of the Mission Innovation Platform <i>Markus Kaufmann, Partner, Roland Berger - Mission Innovation Platform</i></li> <li>- Success Stories in H<sub>2</sub> Valley: The GreenHysland Project <i>Victor Encinas, Coordinator GreenHysland Project, Enagás Renewable</i></li> <li>- A growing portfolio: the new projects on H<sub>2</sub> Valleys:             <ul style="list-style-type: none"> <li>• North Adriatic Hydrogen Valley <i>Jermeja Sedlar, Head of Development department, Holding Slovenske elektrarne d.o.o.</i></li> <li>• BalticSeaH2 <i>Jatta Jussila, CEO, CLIC Innovation Oy</i></li> <li>• HYSouthMarmara <i>Mehmet Volkan Duman, Coordinator at Hydrogen Task Force, South Marmara Development Agency</i></li> <li>• Trieres <i>Konstantinos Chatzifotis, EU Affairs Manager, Motor Oil Group</i></li> <li>• Crave-H2 <i>Spyridon Economou, Director General, Hydrogen Technologies, Eunice Energy Technologies GmbH &amp; Co. KG</i></li> <li>• TH2ICINO <i>Bruno Sodiro, Hydrogen Project Development Expert, RINA Consulting</i></li> </ul> </li> </ul> <p>Q&amp;A + Panel Discussion</p>
-----------------------------	---

//EU HYDROGEN  
RESEARCH DAYS  
15-16 NOVEMBER

# Working with regions - Raising awareness, developing ideas and implementing hydrogen projects

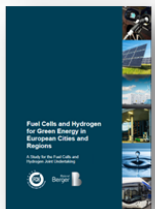
## Regions initiative (2016-2018)

To support cities and regions with an interest in FCH technologies



### Engagement

- Business cases for FCH applications;
- Mapping of local assets;
- Identification of existing funding;



### Report

- FCH applications: status and potential;
- FCH plans and ambitions;
- Way forward;



### MOU

- 89 European Regions;
- 22 countries
- 1/4 of Europe's population, surface & GDP;

Hydrogen Valley S3P Platform

## JU Annual Work Plans



Support to investments

## Project Development Assistance (2021-onwards)

EU support through different stages of the project

	Small (<€7.5m)	Medium (€7.5m - €15m)	Medium-Large (€15m - €50m)	Large (€50m - €100m)	Very Large (>€100m)
Early Planning	Yes	Yes	Yes	Yes	Yes
Detailed Planning	Yes	Yes	Yes	Yes	Yes
Proposal	Yes	Yes	Yes	Yes	Yes
Implementation	Yes	Yes	Yes	Yes	Yes

From idea to project plan

## MI2.0 H2V Platform



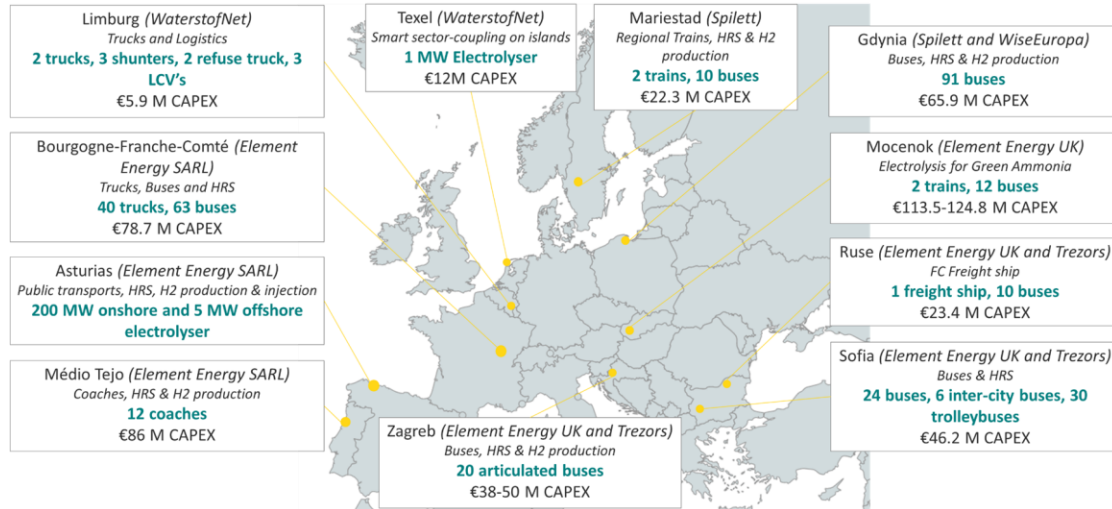
Global collaboration



//EU HYDROGEN  
RESEARCH DAYS  
15-16 NOVEMBER

# 26 Regions (and Cities) supported to move from Project Ideas to Concrete Hydrogen Plans

## Project Development Assistance (2021-2022)

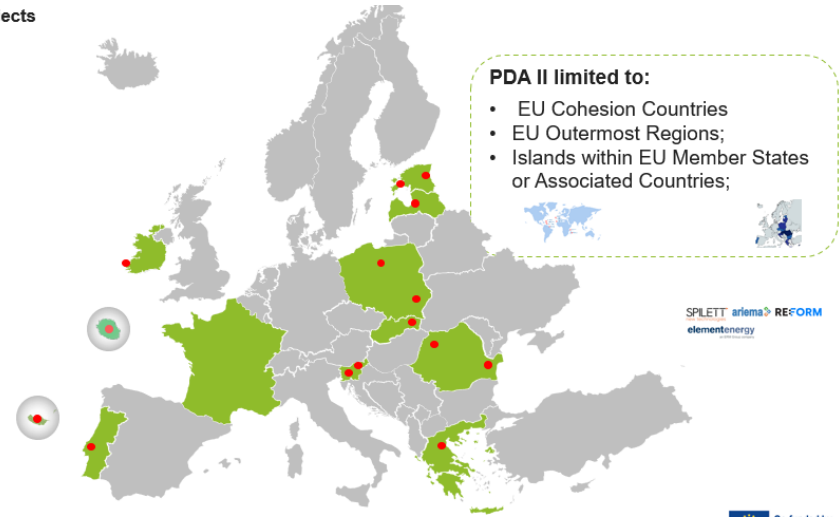


### Location of the 15 selected projects

- Estonia**
  - Estonian Islands;
  - Tartu City;
- France**
  - Regional Council of La Réunion;
- Greece**
  - Region of Peloponnese;
- Ireland**
  - Valentia Island;
- Latvia**
  - Riga;
- Poland**
  - City of Plock;
  - Podkarpackie Region;
- Portugal**
  - Autonomous region of Madeira;
  - Municipality of Alenquer;
- Romania**
  - Cluj-Napoca;
  - Municipality of Galati;
- Slovakia**
  - Košice self Governing region;
- Slovenia**
  - Central Sava Region;
  - Velenje, Savinjsko-Saleška region;

**PDA II limited to:**

- EU Cohesion Countries
- EU Outermost Regions;
- Islands within EU Member States or Associated Countries;



Led by: **SPILETT** new technologies **elementenergy**

Supported by: **WiseEuropa** **TREZORS**

## Project Development Assistance (2023-2024)



//EU HYDROGEN  
RESEARCH DAYS  
15-16 NOVEMBER

# Technical Assistance for national and regional authorities to generate Synergies with the Clean Hydrogen JU

To identify synergies between our JU (EU level) and National and Regional Public Authorities

## State-of-Play

- Assess policy
- Identify gaps and potential

## RESEARCH

## Select Managing Authorities

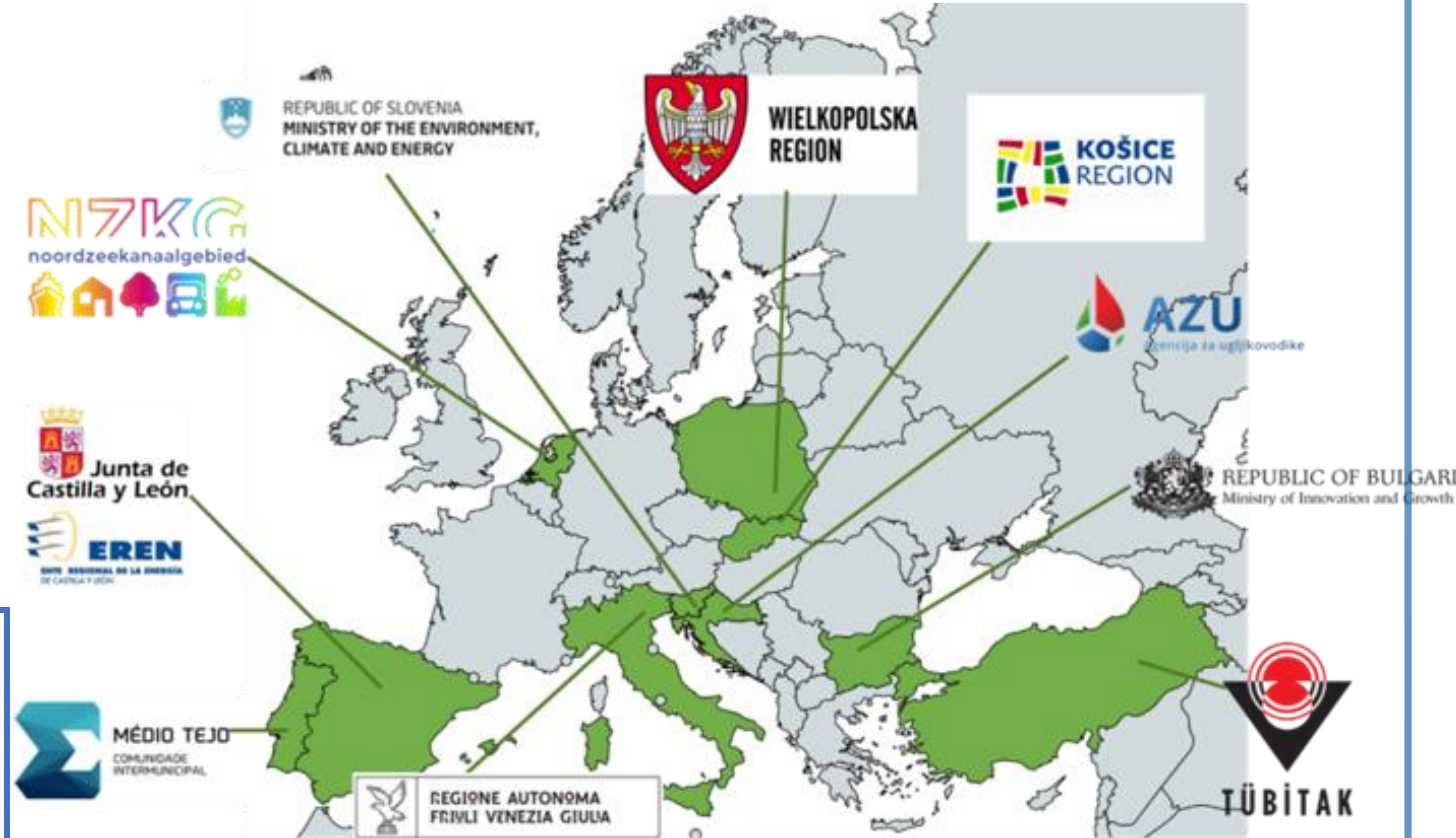
- Call of Expression of Interest (Jun/Jul 2023)

## ENGAGE

## Cooperation Agreements

- Focusing on capacity building, knowledge management and funding opportunities (ongoing)

## OPERATIONALISE



//EU HYDROGEN

RESEARCH DAYS

15-16 NOVEMBER

# Hydrogen valleys: An accelerator for a European hydrogen economy

## JU Annual Work Plans

AWP 2015  
AWP 2019  
AWP 2020  
AWP 2022  
AWP 2023

REPowerEU Plan  
€ 200 for H2 valleys

## Projects



9 valleys\*  
4 selected

## JU contribution

€ 5 MEUR  
€ 20 MEUR  
€ 10 MEUR  
€ ~ 105 MEUR\*  
GAP stage

\*Grant signature ongoing, figures may change

## RepowerEU plan for Hydrogen Valleys

+ EUR 200 million over 3 years to double H2V in EU by 2025 (60 in 2023; 60 in 2024 and 80 in 2025)

**9 Hydrogen Valleys** selected for Grant Preparation under the Call 2022

- Total funding requested EUR 105.4 mill
- North Adriatic, Baltic Sea Corridor, Bulgaria (Stara Zagora), Greece (Crete and Corinthia), Ireland (Galway), Italy (Lombardy), Turkey (South Marmara) and Luxembourg.

**4 Hydrogen Valleys** selected for Grant Preparation under Call 2023

- Total funding requested EUR 46.8 mill

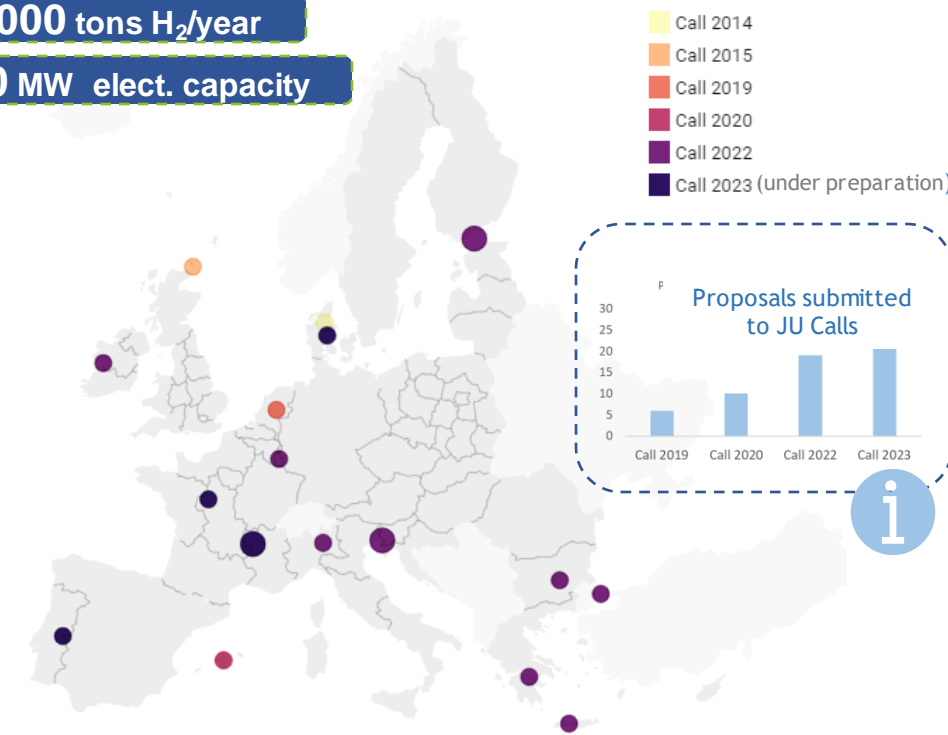
## Hydrogen Valleys in the Clean Hydrogen JU

21,000 tons H<sub>2</sub>/year

+200 MW elect. capacity

CALL

- Call 2014
- Call 2015
- Call 2019
- Call 2020
- Call 2022
- Call 2023 (under preparation)



~75 MW+ electr. capacity (H2 for industry demo projects)



Co-funded by  
the European Union

Thank you!

//EU HYDROGEN  
RESEARCH DAYS  
15-16 NOVEMBER

[www.clean-hydrogen.europa.eu](http://www.clean-hydrogen.europa.eu)



Co-funded by  
the European Union