Clean Hydrogen Partnership

From Innovation to Deployment - Driving regional Hydrogen Ecosystems

Vanguard Initiative Hydrogen Pilot Summit
26 October 2026

Valerie Bouillon-Delporte

Executive Director of the Clean Hydrogen Partnership

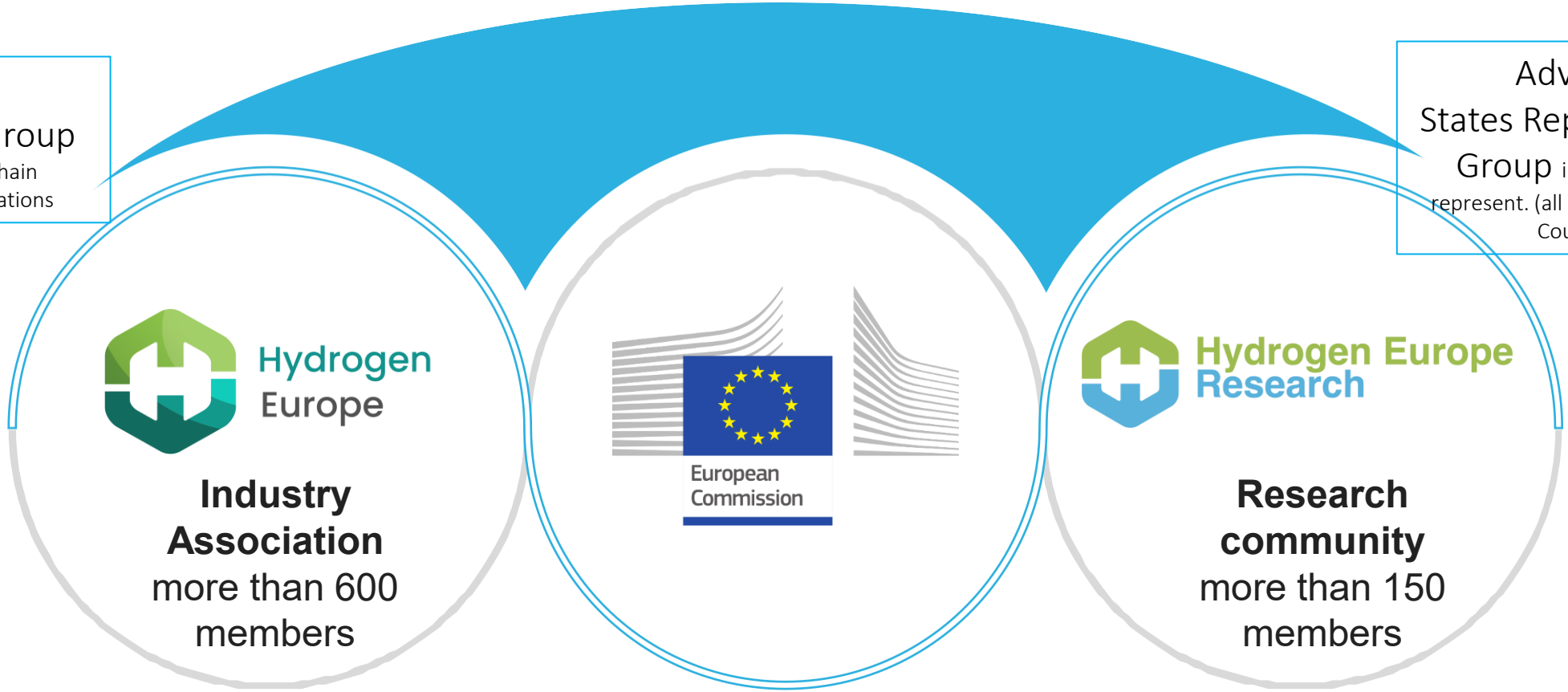


Clean Hydrogen Joint Undertaking

EU Institutional Public-Private Partnership (IPPP)

Advisory:
Stakeholder Group
incl all H2 supply chain stakeholders, associations

Advisory:
States Representative Group incl 36 countries represent. (all EU and Associated Countries)



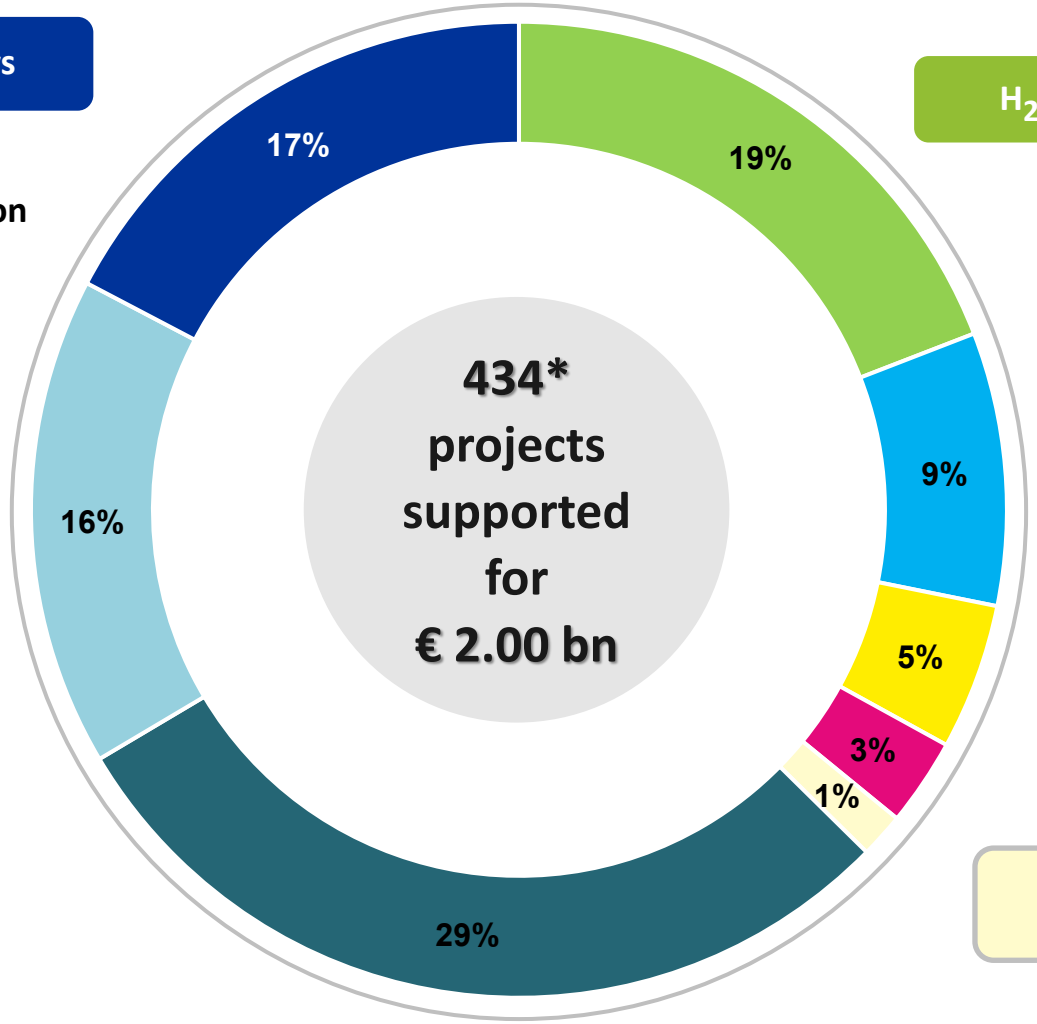
1 billion EURO from Horizon Europe* to implement R&I activities and facilitate the transition to a greener EU society through the development of hydrogen technologies

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

Co-funded by the European Union

Clean Hydrogen JU Programme (2008-2025*)

- cummulative incl predecessor(s) FCH JU and FCH2 JU



H_2 Valleys

28 Projects

€ 347 million

H_2 Production

Electrolysis & Other routes

100 Projects

€ 383.2 million

H_2 End Use: Clean Heat and Power

93 Projects

€ 325 million

H_2 Storage & Distribution

45 Projects

€ 181.3 million

Cross-cutting

61 Projects

€ 97 million

H_2 End Use: Transport

86 Projects

€ 583 million

Supply Chain

18 Projects

€ 58 million

Strategic Research Challenge

3 Projects

€ 29.6 million

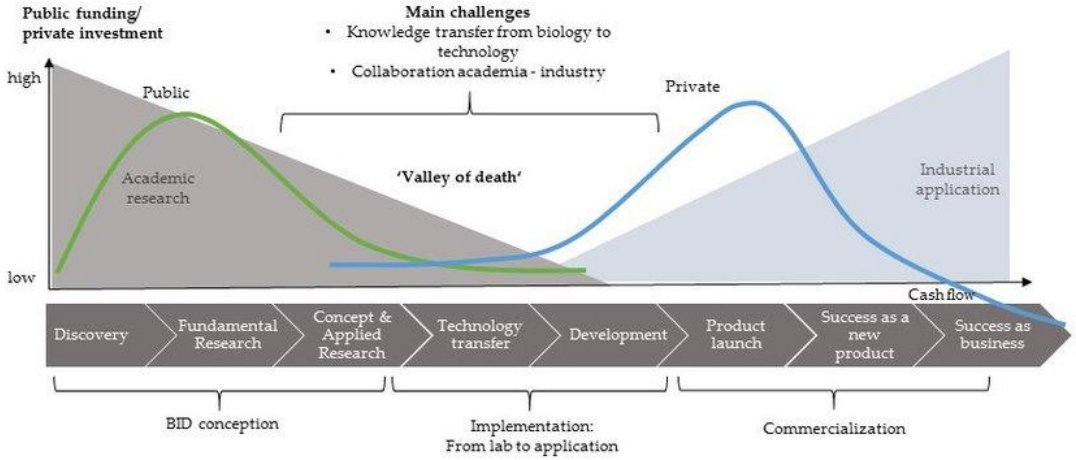
EUROPEAN PARTNERSHIP

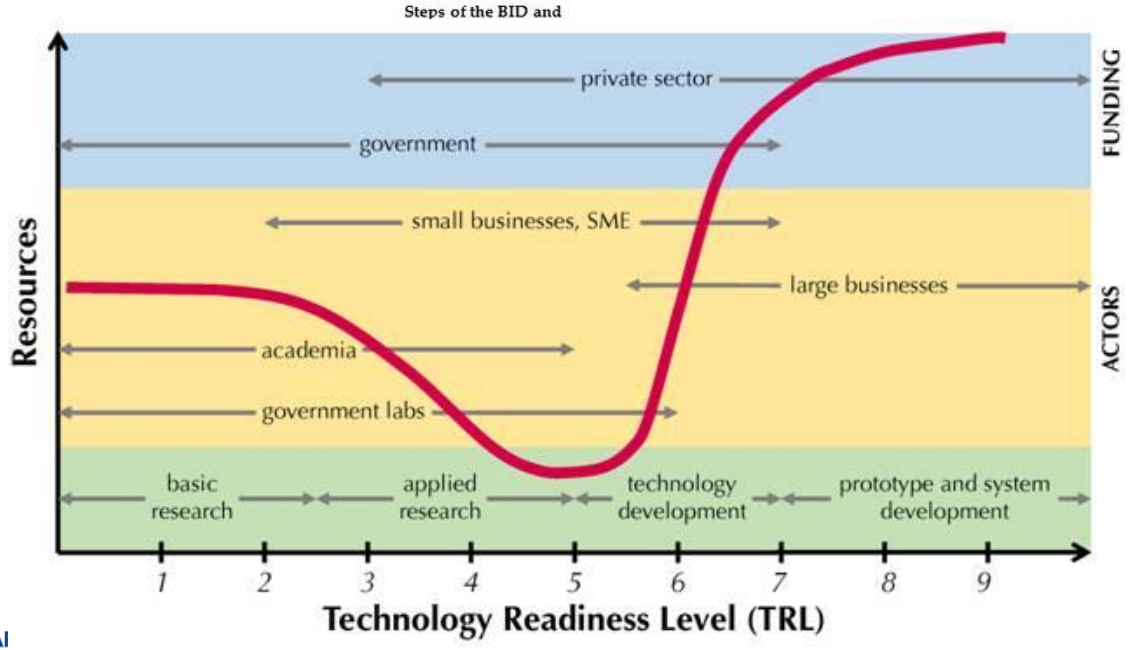
** Not all projects from Call 2025 are included as they are still under preparation + two more calls to be awarded in 2026-2027*

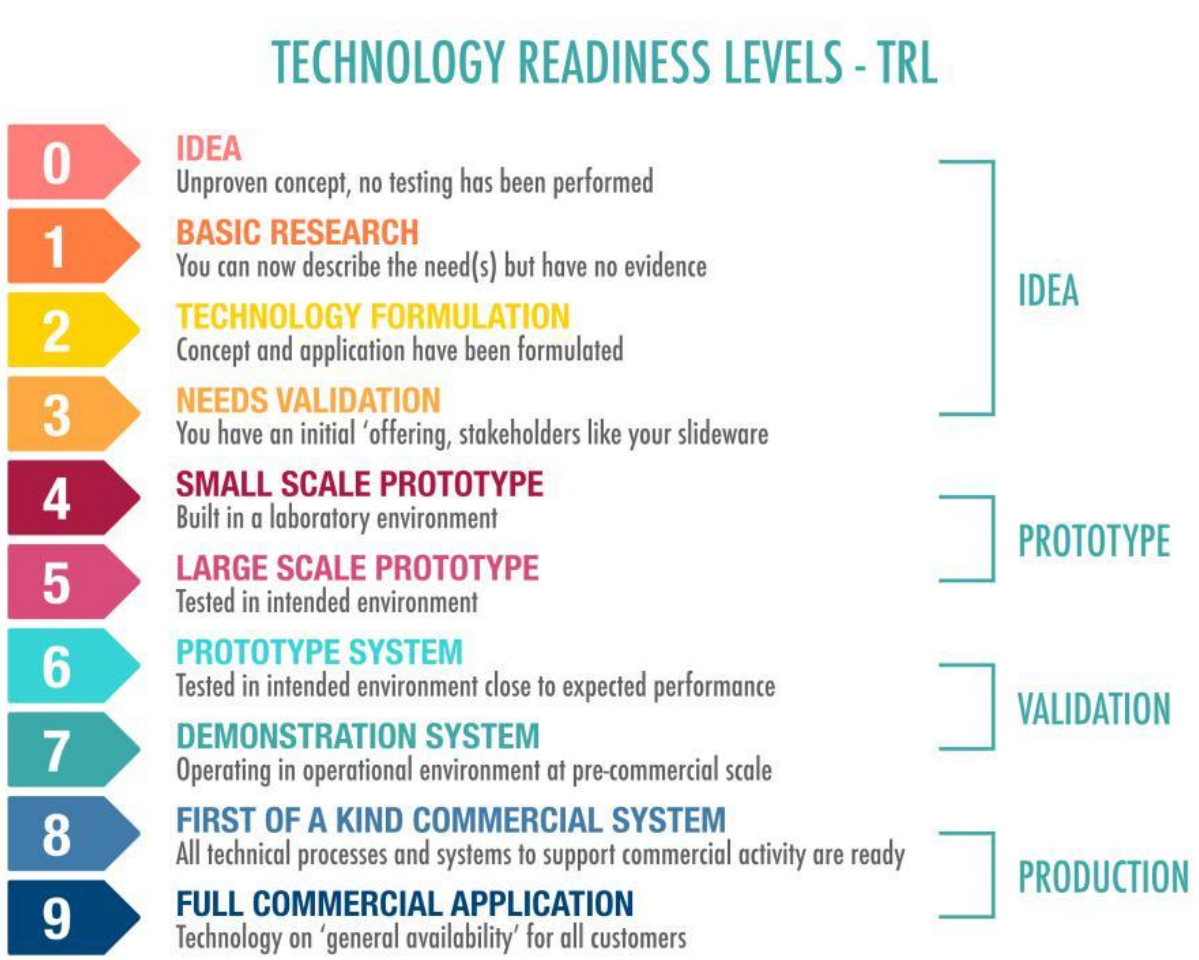
Co-funded by the European Union

Clean Hydrogen Partnership

European R&I Programme contributing to overcome the valley(s) of death



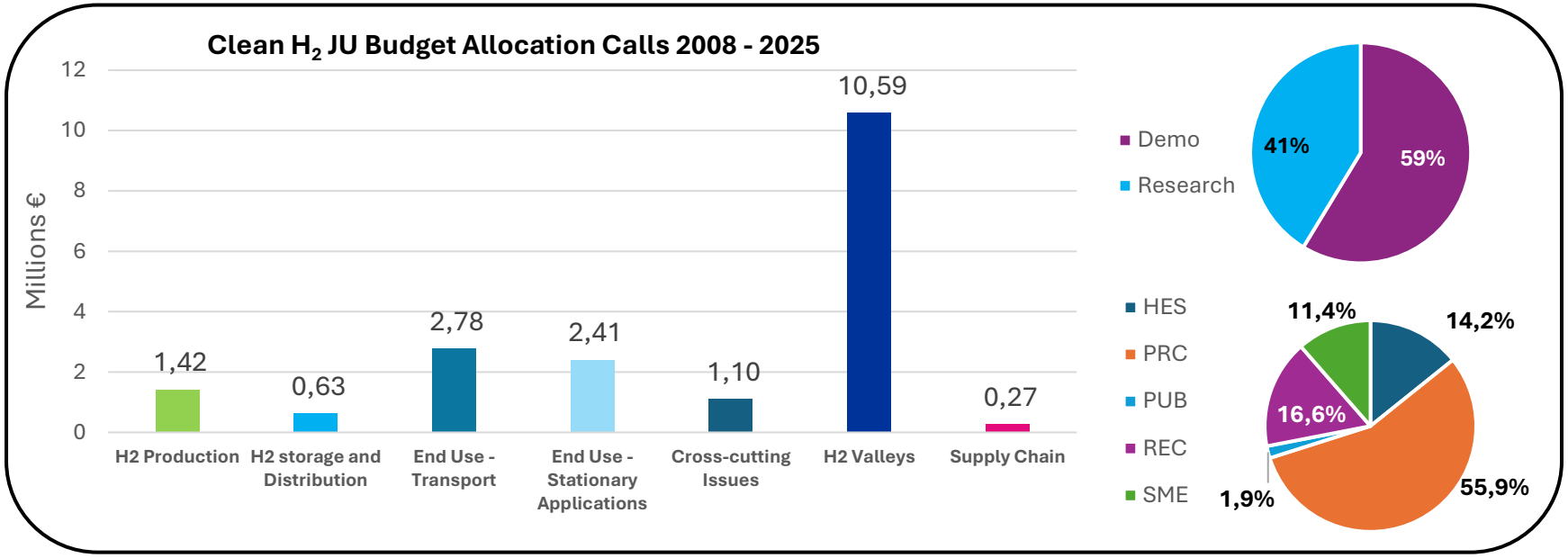




Co-funded by the European Union

Slovenia - Support in the Clean H_2 JU





JU funds
19.2 M €

Projects
33

Beneficiaries
23

SMEs
11.4%

Top Funded Projects:

- **NAHV – 9.9 m€**
- **MORELife – 1 m€**
- **FluMaBack – 1 m€**

Top Beneficiaries:

- **HOLDING SLOVENSKE ELEKTRARNE DOO – 4.7 m€**
- **ECUBES TEHNOLOGIJE D.O.O. – 3 m€**
- **UNIVERZA V LJUBLJANI – 2.7 m€**

Project Development Assistance of regions:

- Central Sava Region 2023-2024
- Velenje, Savinjsko šaleška region 2023-2024

H_2 Valleys supported by the JU

- NAHV (North Adriatic , cross-border, North Italy, Slovenia, and Croatia)

Co-funded by the European Union

Working with Regions and Hydrogen Valleys - an evolving concept and priority



July 2020
European Hydrogen Strategy

May 2022
REPowerEU Plan

June 2024
European Hydrogen Valley Roadmap



FCH JU - Regions initiative (2016-2018)

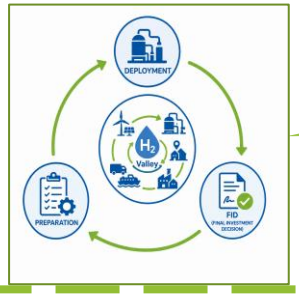
PDA I 2020

PDA II 2022

H2Valleys facility 2025

EUROPEAN HYDROGEN VALLEYS PARTNERSHIP

REPowerEU
+200 MEUR



AWP 2015

BIGH2IT

AWP 2019

HEAVENN

AWP 2020

AWP 2022

AWP 2023

AWP 2024

AWP 2025

AWP 2026

Status

28 H2 Valleys proj/grants funded (**347 M€** JU **funds**/ **1.6 b€** total **costs**)

+2 grants under preparation

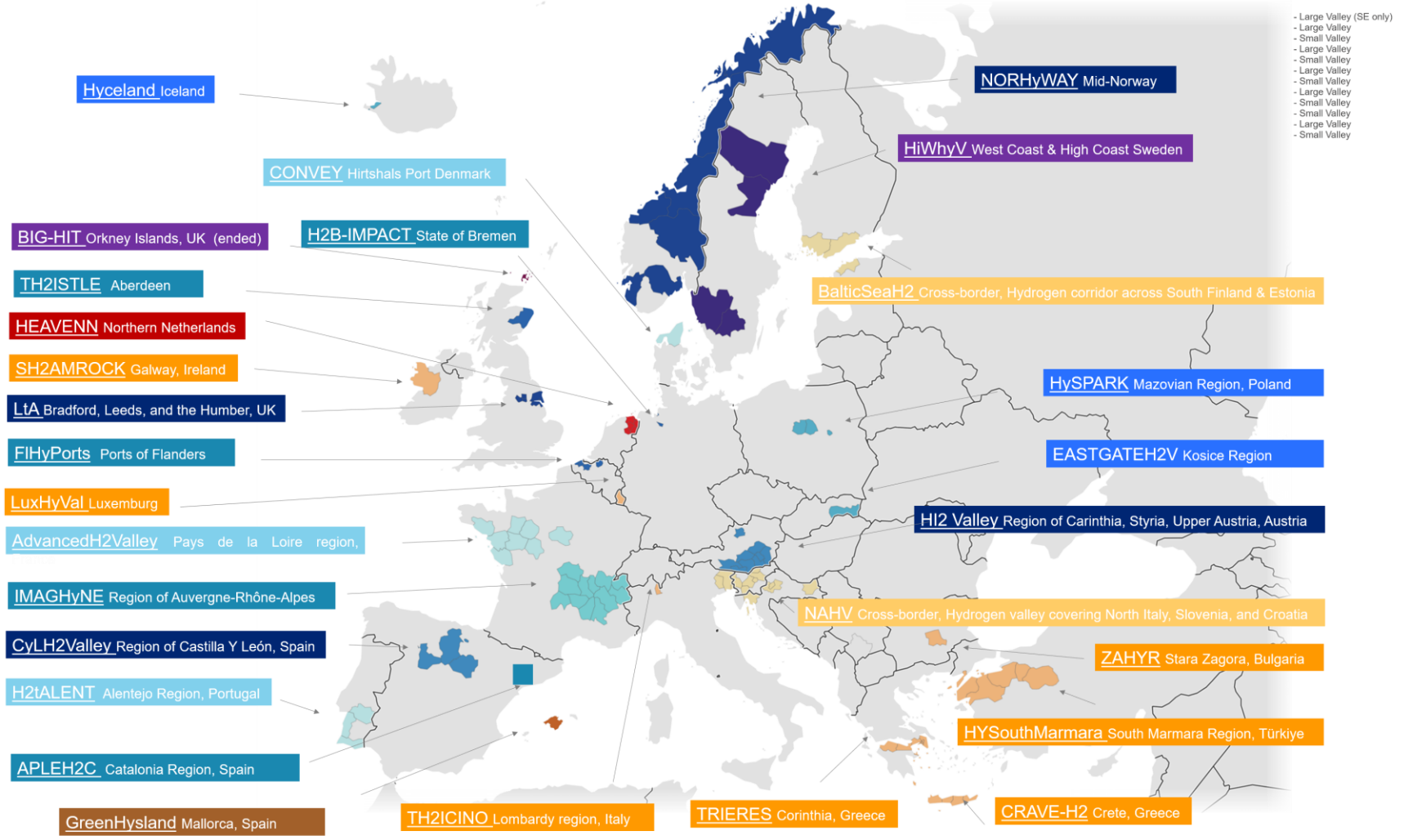
+15 PDAs (**ended** -10.3 b€ investments project pipeline)

+13 PDAs (**ongoing**)

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Clean Hydrogen Partnership

Repowering the EU with Hydrogen Valleys
Support to pre-FID activities & CAPEX



Administrative boundaries: © EuroGeographics © UN–FAO © Turkstat
Cartography: Eurostat – IMAGE, 05/2026

Excludes Hydrogen Valleys included in the Hydrogen Valleys Platform

28 Hydrogen Valleys

Total costs 1,648 M€

Across 23 countries

JU funding 347 M€

600+ unique partners

135+ SMEs with 27% of the funding

Co-funded by the European Union

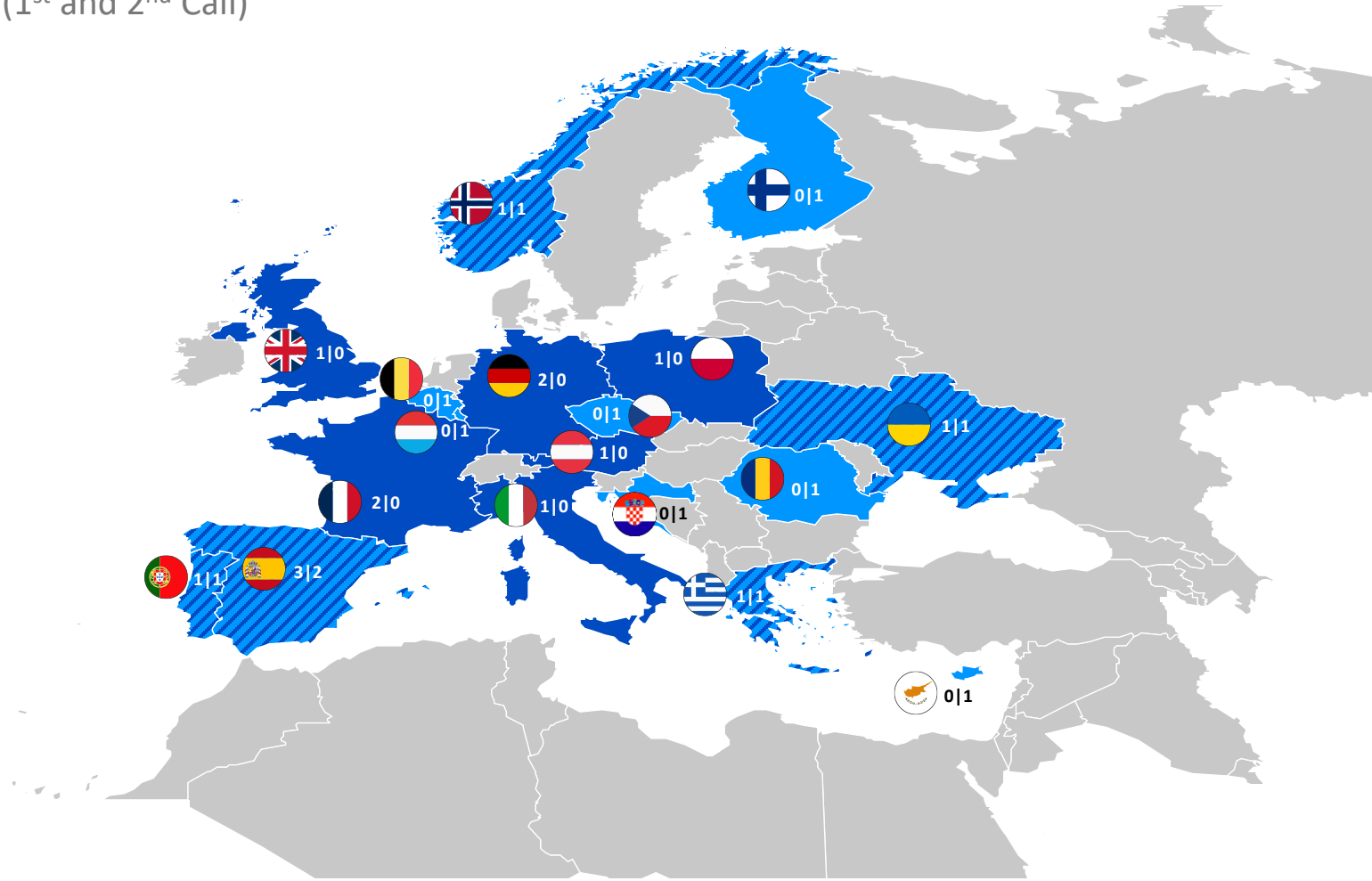
The PDA beneficiaries under the second call (July 2026) expand the geographic distribution of PDAs to a total of 18 countries, including 7 countries added under this call

Geographic distribution of awarded PDA Beneficiaries (1st and 2nd Call)

1st and 2nd Call

28 PDA Beneficiaries from 18 countries, thereof from …

- **5 EU-13** countries
- **10 other EU member** states
- **3 Horizon Europe** countries



Countries **with** awarded PDA in 1st call

Countries **with** awarded beneficiaries in 2nd call

Countries **with** awarded PDA in 1st call and 2nd call

# of awarded PDAs (1st call) | # of awarded PDAs (2nd call)

H2V.eu

The H2V Facility delivers dedicated support to hydrogen practitioners with different services: PDA, H2V Knowledge Centre and H2V Platform

h2v.eu

Dedicated support via the Hydrogen Valleys Facility by

1 Project Development Assistance

Provision of dedicated Project Development Assistance (PDA) for Hydrogen Valleys projects towards Final Investment Decision

2 H2V Knowledge Centre & Capacity Building

Sharing & dissemination of knowledge and provision of capacity building for Hydrogen Valleys and the broader hydrogen community

3 H2V Platform

Maintenance & extension of the Hydrogen Valley Platform to enhance its positioning as the global one-stop-shop for hydrogen flagship projects

Delivery partners

Roland Berger, worley, Inycom



Source: Roland Berger for the Hydrogen Valleys Facility

WHAT remains to be done?

1 R&I REMAINS ESSENTIAL

Industrialisation cannot be done without innovation.

- Continue **early-TRL funding for strategic technologies** and preserve the pipeline of future solutions.
- Further **improve technology performance, efficiency, durability and cost.**
- **De-risk emerging technologies** before commercial deployment and maintain European technology leadership.
- Use R&I to **address new system-level challenges** as technologies move into real-world deployment.

R&I remains a necessary foundation for future competitiveness.

2 THE JU REMAINS ESSENTIAL

And its role needs to evolve with the maturity of the sector.

- Preserve the ability to **align public objectives with industry expertise**, investment and delivery.
- **Connect R&I and demonstration** more systematically **with scale-up and commercial deployment.**
- Strengthen **links with demand creation**, infrastructure, finance and industrial policy.
- Adapt **partnership models and instruments** as market maturity and **project risks** evolve.

The JU model should evolve around its proven R&I core — and complement it.

The challenge is to connect the main R&I role of JU more effectively with the conditions required for industrial scale-up and market deployment.

Source: ERM, primarily slide 112 — condensed for management presentation.

Thank you!

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For further information
https://www.clean-hydrogen.europa.eu/

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