

H2CoVE

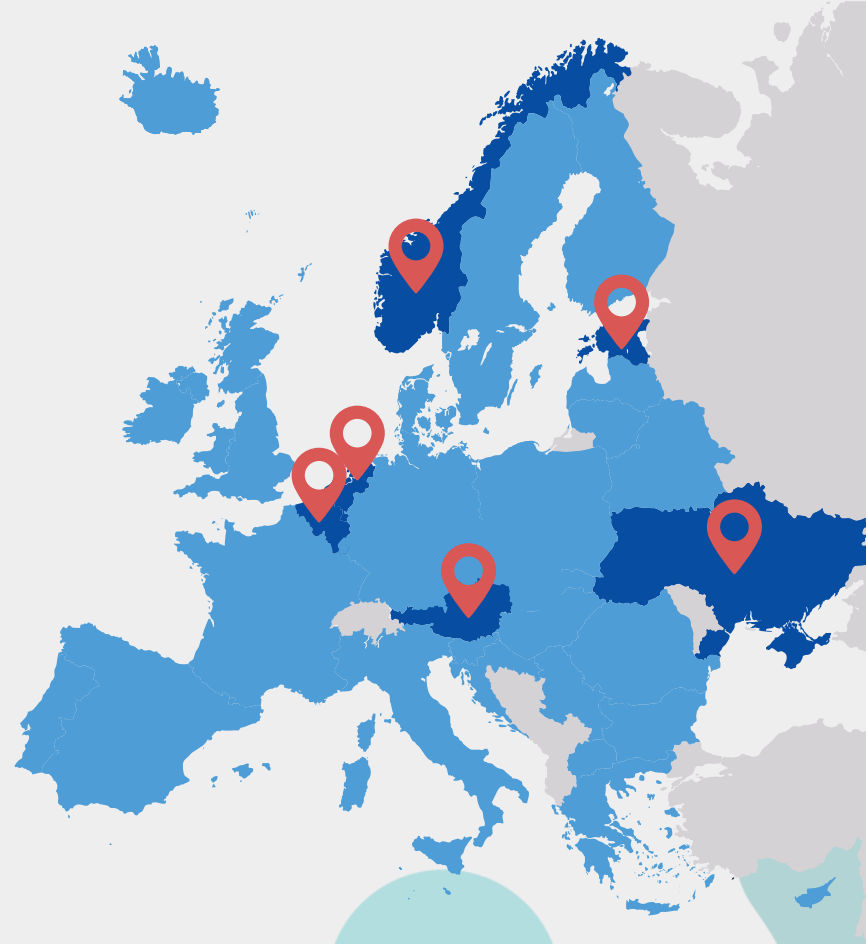
2024 – 2028

Hydrogen Centres of Vocational Excellence

Ida Yap

Project Manager, Work Package Leader
New Energy Coalition

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.



H2CoVE

HYDROGEN CENTRES OF VOCATIONAL EXCELLENCE



Co-funded by
the European Union

The Shared Challenge

The Global Hydrogen Race

- **EU ambitious plans:** REPowerEU (2022), RED III (2023), and EU Hydrogen Bank (2023)
- **Bottleneck:** skills gap and shortage of (skilled) workers
- **Objective:** to equip the European Workforce with the right and necessary **vocational** skills for the emerging hydrogen economy

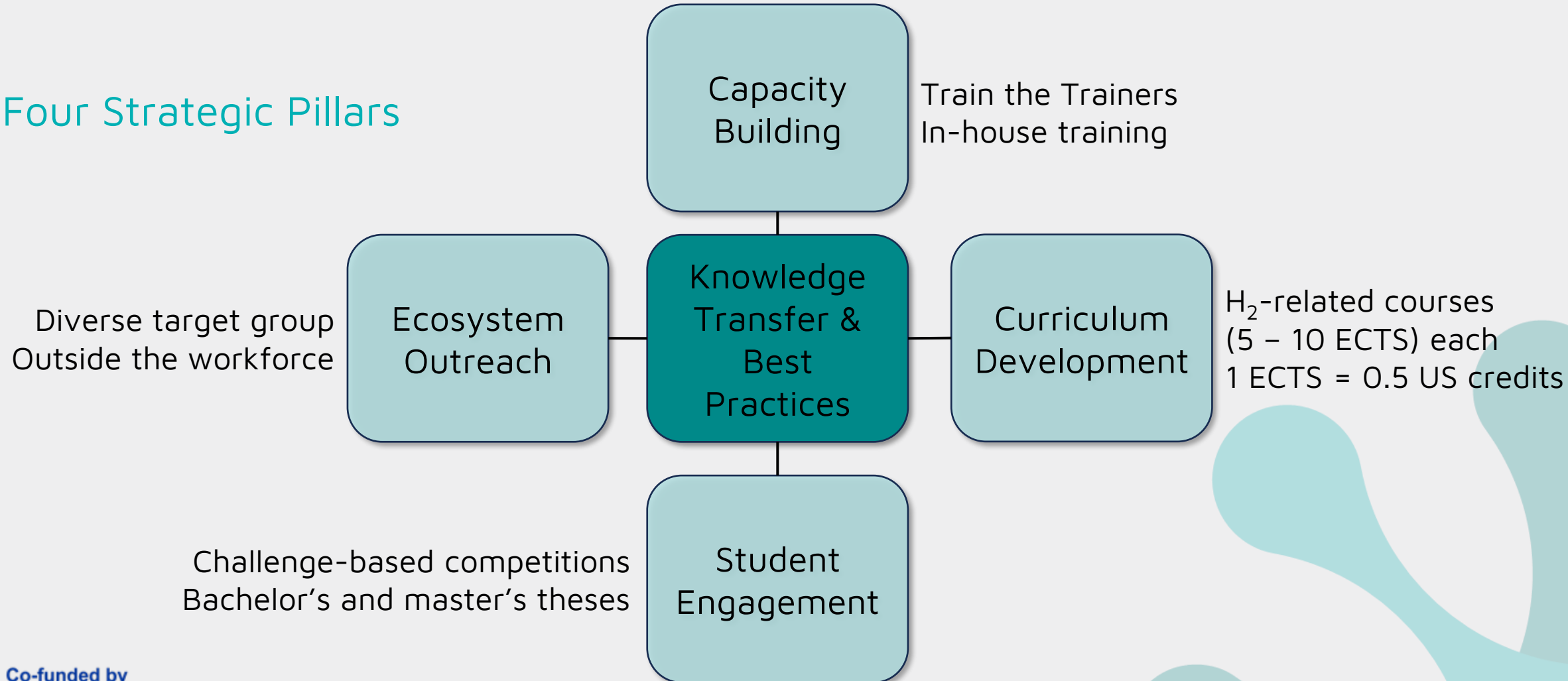


Co-funded by
the European Union



The Solution

Four Strategic Pillars



Project's Impact Goals

- 75** Teachers trained in regional **Train the Trainer** courses
- 80** Teachers trained in the International Train the Trainer course
- 1,000** Employees **upskill or reskill** within the industries
- 25** Formal **learning courses**
- 12** Bachelor's and/or Master's thesis
- 100** Students participate in hydrogen **competitions**
- 30** Students and 10 staff members participate in the international hydrogen competitions
- 300** Participants engage through information sessions



5 Regions, 1 Goal



Vestland County,
Norway



Tyrol,
Austria



Estonia



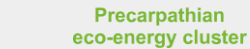
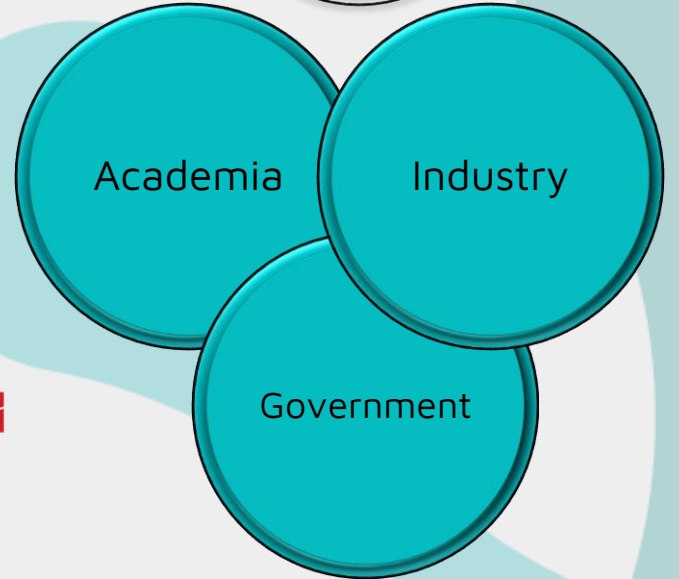
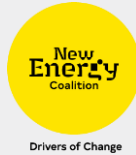
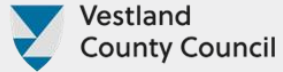
Northern
Netherlands



Precarpathian
region,
Ukraine



The Ecosystem



Workforce Transition: Hydrogen Skills & Training

Skills Need Analysis > Regardless of market maturity, every region has an urgent need for H₂ safety experts.

- **Austria:** Hydrogen system operation & maintenance, **safety** & certification, hydrogen production & storage, hydrogen system integration, and digital & IT skills
- **Estonia:** H₂ fundamentals, electrolyser operation & **safety**, compression & pressure safety, H₂ storage system, and hydrogen distribution & logistics
- **The Netherlands:** H₂ fundamentals, **safety**, installations & maintenance, energy hub & system integration, and developing business case
- **Norway:** **Safety**, legal & policy, social sciences, engineering & data sciences, and natural sciences
- **Ukraine:** skills to support R&D and pilot projects like hydrogen **safety**, material science, electrochemistry, and instrumentation & control



Operations & Structure

Project Overview

- Erasmus+ Educational Programme
- EU Grant: € 3,978,887 + ca. 20% in-kind contribution from partners
- Duration: March 2024 – Feb 2028
- 18 partners
- 5 regions
- Coordinator: Vestland County Council, Norway

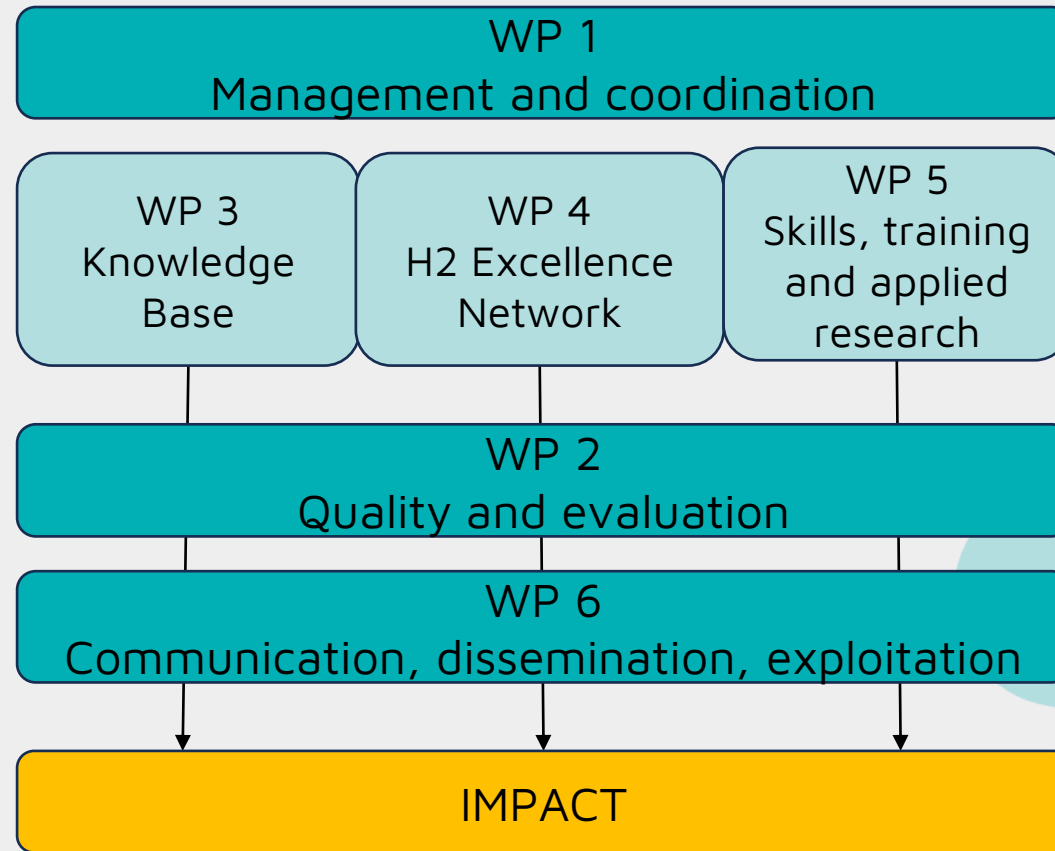


Co-funded by
the European Union

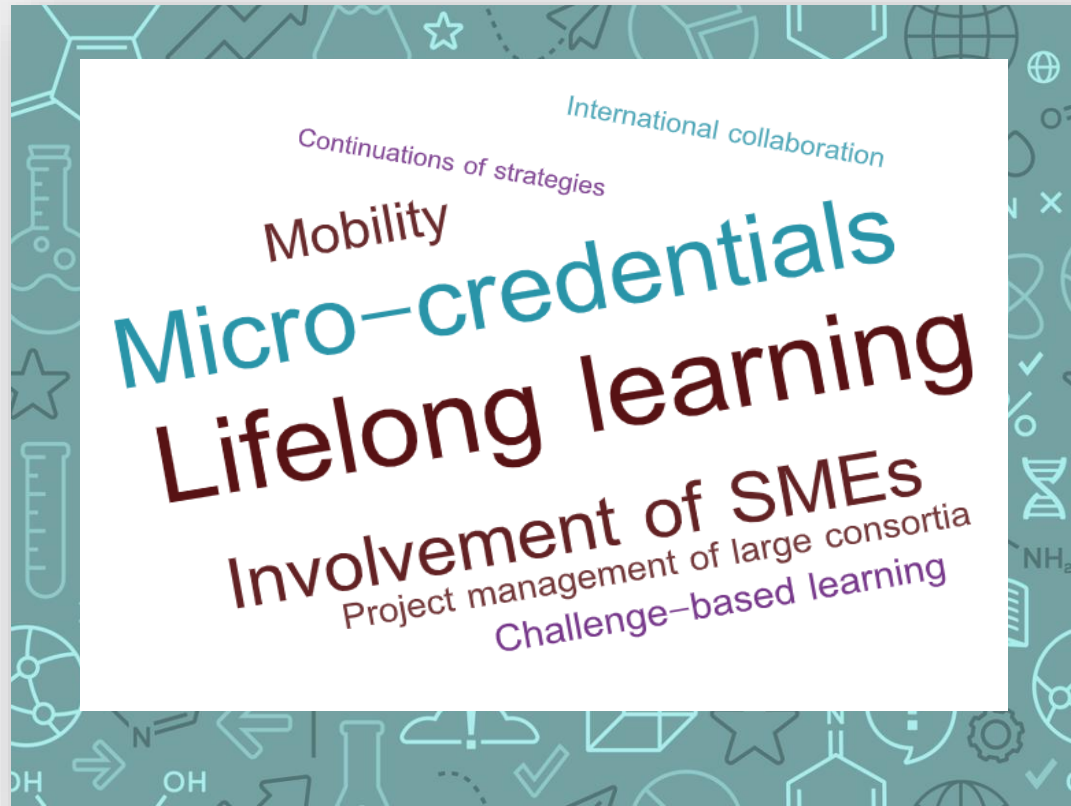


Operations & Structure

Work Package Breakdown



Keywords & Innovations



Co-funded by
the European Union



Follow us on LinkedIn