

GREEN TRANSITION IN CENTRAL EUROPE – Renewable Gases in Circular Economy



Strategy to Scale: Regional innovation driving Europe's green and competitive future

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The Greet CE project (n. 101133227) is supported by the European Unions Interregional Innovation Investments (I3) Instrument.

GREET CE Renewable gases in green transition

Renewable gases address: energy security, decarbonisation and industrial competitiveness

RepowerEU

European Green Deal

Fit for 55 Package

RED III

Hydrogen: EU Hydrogen Strategy; Alternative Fuels Infrastructure Regulation

Biogas and biomethane: EU Methane Regulation; Waste Framework Directive



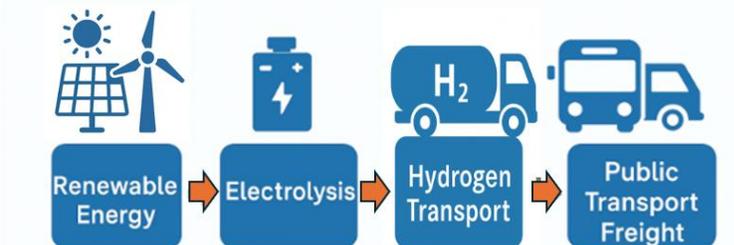
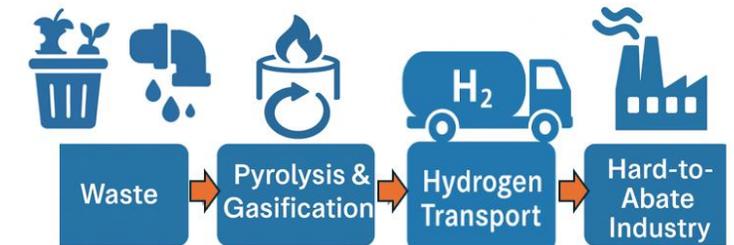
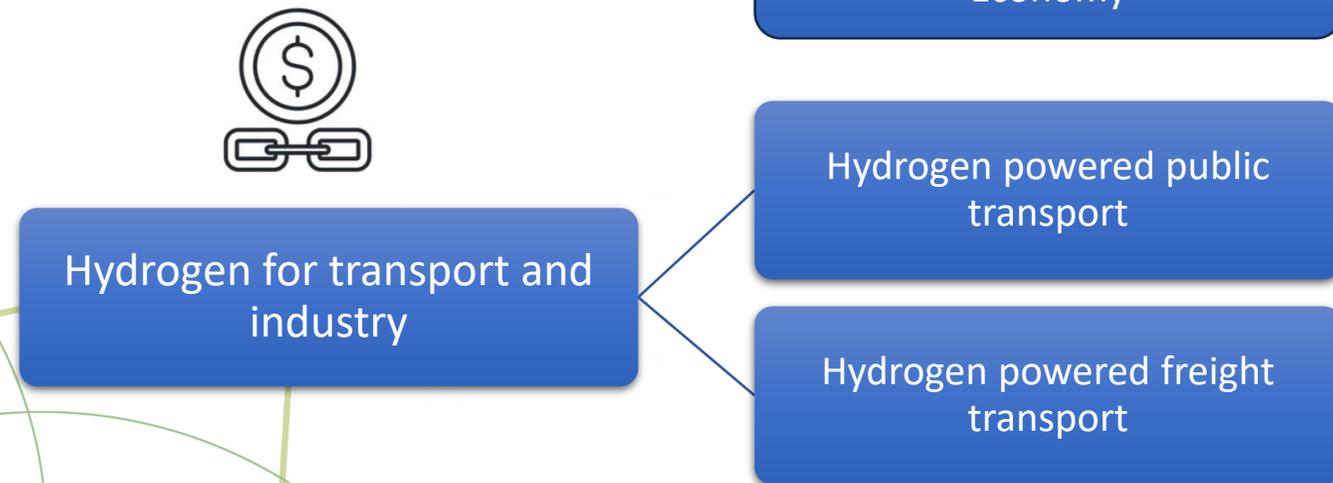
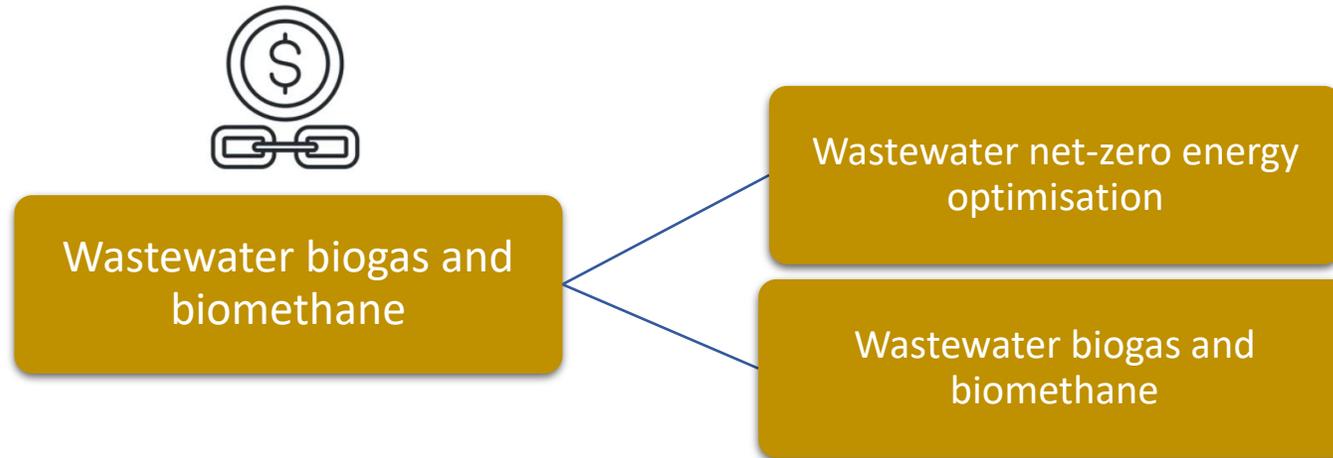
GREET CE Renewable gases starting point

- Mapping SME's and company survey – low numbers of companies in this thematic niche
- 29 (/399) – surveyed companies – 7.2%
- 8 (/113) interviewed companies – 7.1 %
- Strong presence of large companies and public companies within the niche

Limited number of companies involved initially, with additional companies becoming involved over the course of the project.



GREET CE value chains and business cases



GREET CE activities to support value chains

Matchmaking
(B2B), finding
market
opportunities

Capacity building
and networking
events

Study tours

Synergies with
other projects,
platforms, hubs

Supporting
companies in
project application

Framing policy
documents

Promoting good
examples



Synergies with other projects, platforms and hubs

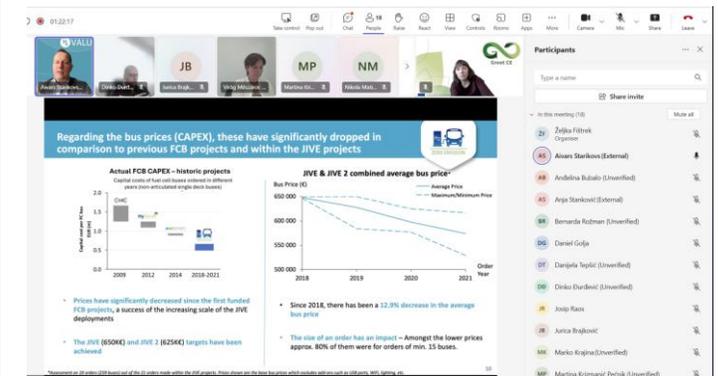


→ JIVE2, HyPOP, HyEfRe, Danube Indeet, H2CE, Green Hydra, NACHIP

→ HyMeetUP Zagreb – exploring synergies between Slovenian and Croatian projects

→ Innovative HyEfRe tools in hydrogen systems workshop

→ Hydrogen in public transport workshop

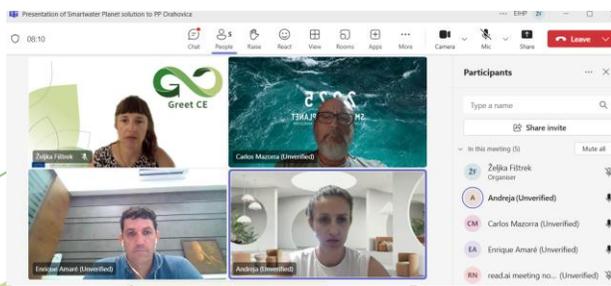
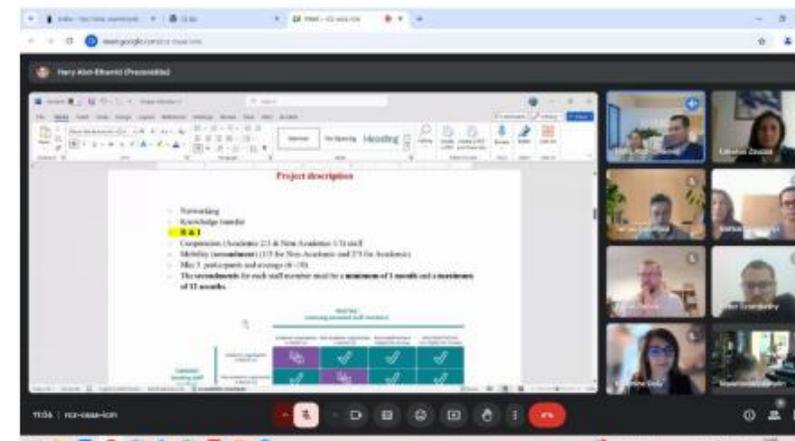
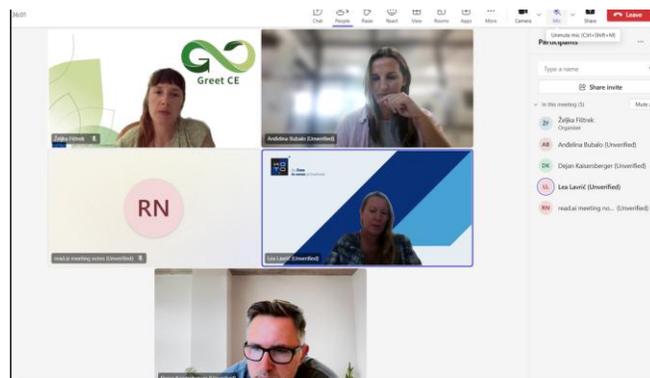
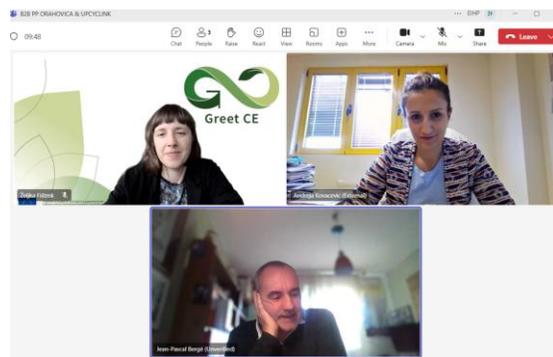


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Matchmaking (B2B), finding market opportunities



→ Connecting companies

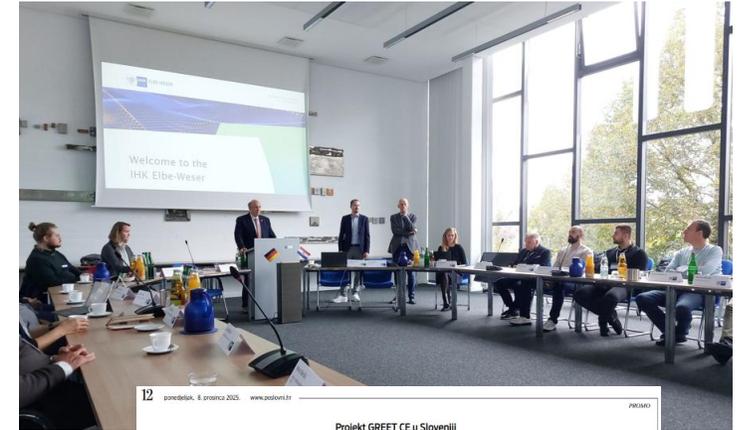


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Study visits – learning from experiences



- Lower Saxony (participation)
- Ljubljana Slovenia (organisation)-hydrogen refuelling station and PV solar plant



Energetski institut Hrvoje Požar posjetio inovativnu vodikovu punionicu u Ljubljani

Ljubljana razvija cijeloviti vodikov ekosistem koji uključuje obnovljive izvore, napajanje industrijskih i komunalnih potreba i javni prijevoz.

750 kilograma vodska dnevno kapacitet je nove gradskoj punionici

Ambiciozan iskorak ka zelenom prijevozu
Do 2030. Ljubljana želi razviti 100 % klimatski neutralan gradski promet, uz ključnu ulogu vodikove infrastrukture u razvoju mobilnosti

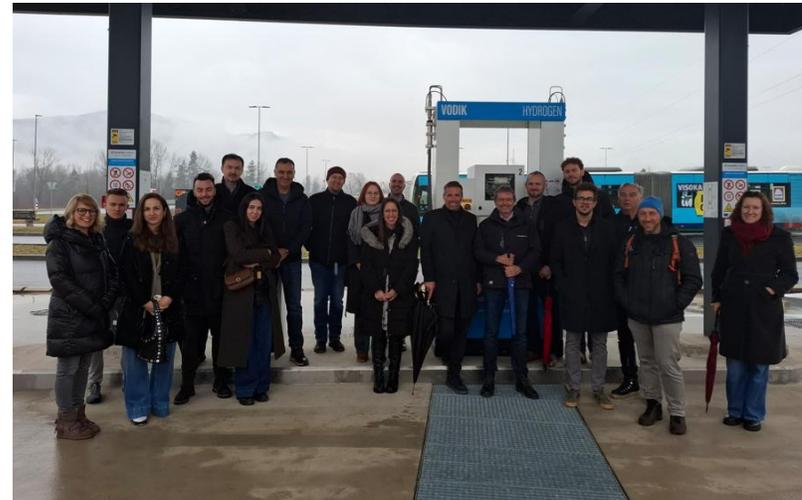
Planeta infrastruktura za grad bez emisija
Smjerica: proizvodnja zelenog vodika planirana je za 2027. godinu. Čim će se u proizvodnji iskoristiti čisti lokalni proizvodnja i korištenje obnovljive energije. Proizvođača će se odvijati putem elektroizolacije staze 1. MK, kapacitetom do 400 kg vodska dnevno.

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The Green Europe Instrument.

Capacity building and networking (conferences, seminars, other events)



→ Conferences, seminars, events



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Other activities

- Inclusion of policy makers in project events and activities
- Development of policy documents for hydrogen → Hydrogen roadmap
- Five I3 project proposals supported *
- Two I3 projects will be supported in Strand 2b call
- Two Interreg Danube supported
- Visibility of project, I3 and companies increased

*Consortium building, partner search, feedback, LOS



GREET CE –Conclusions

- New or improved technologies and processes are needed but also:
- **System integration** → connecting already known technologies (RES + electrolyzer + storage + end-use application) into new business models and local energy systems,
 - **Cost reduction of key components** → technological advancement, research,
 - **Digital infrastructure** → security, optimization and financial sustainability, digital certification and traceability (RFNBO),
 - **Flexible participation in the power system,**
 - **Pilot projects in controlled niches,**
 - **Development of competencies and safety standards,**
 - **Financial support (EU, national)** → main driver (based on strategic priorities).





Thank you for your attention!

www.greetCE.eu

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