

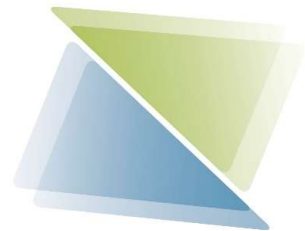
Hydrogen Valleys in Austria



Margherita Matzer, WIVA P&G
ISEC 2024 Graz, 10.04.2024

WIVA P&G

- **WIVA P&G is a research association**
- **Coordination and implementation of the model region**
 - Austria-wide, transregional, thematically focused
- **Projects:**
 - Sectorally integrated, multidisciplinary
 - Implementing an innovation structure
 - Demonstration and testing of intelligent system solutions in practice
- **Goal:**
 - Support transition to a sustainable energy system
- **Experience of more than 30 completed and ongoing projects**



Members

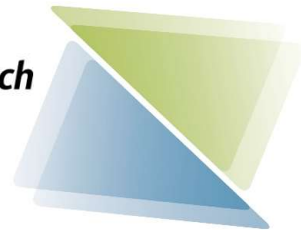
WIVAP&G
Energy Model Region



Landesgesellschaft
Österreich



Making our world
more productive



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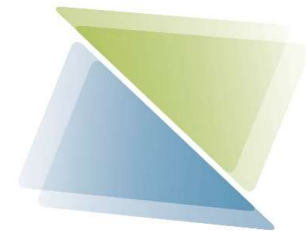
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Climate-neutral hydrogen

from the beginning to the end

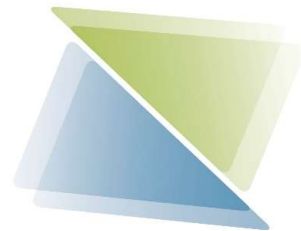


Hydrogen Value Chain

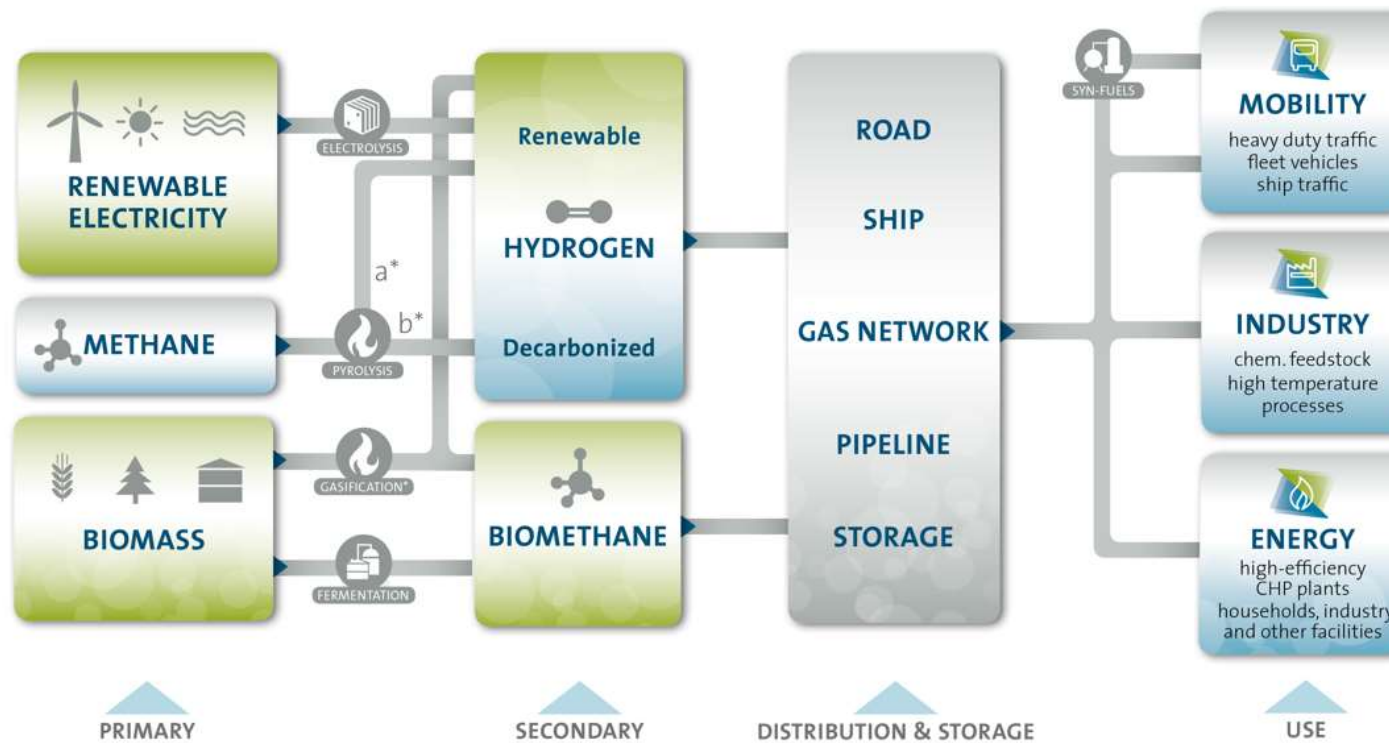


“The goal of WIVA P&G is driving the transition to a sustainable energy system with hydrogen as one solution along the whole value chain.”

Horst Steinmüller - Chairman and Director of WIVA P&G



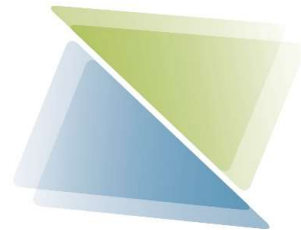
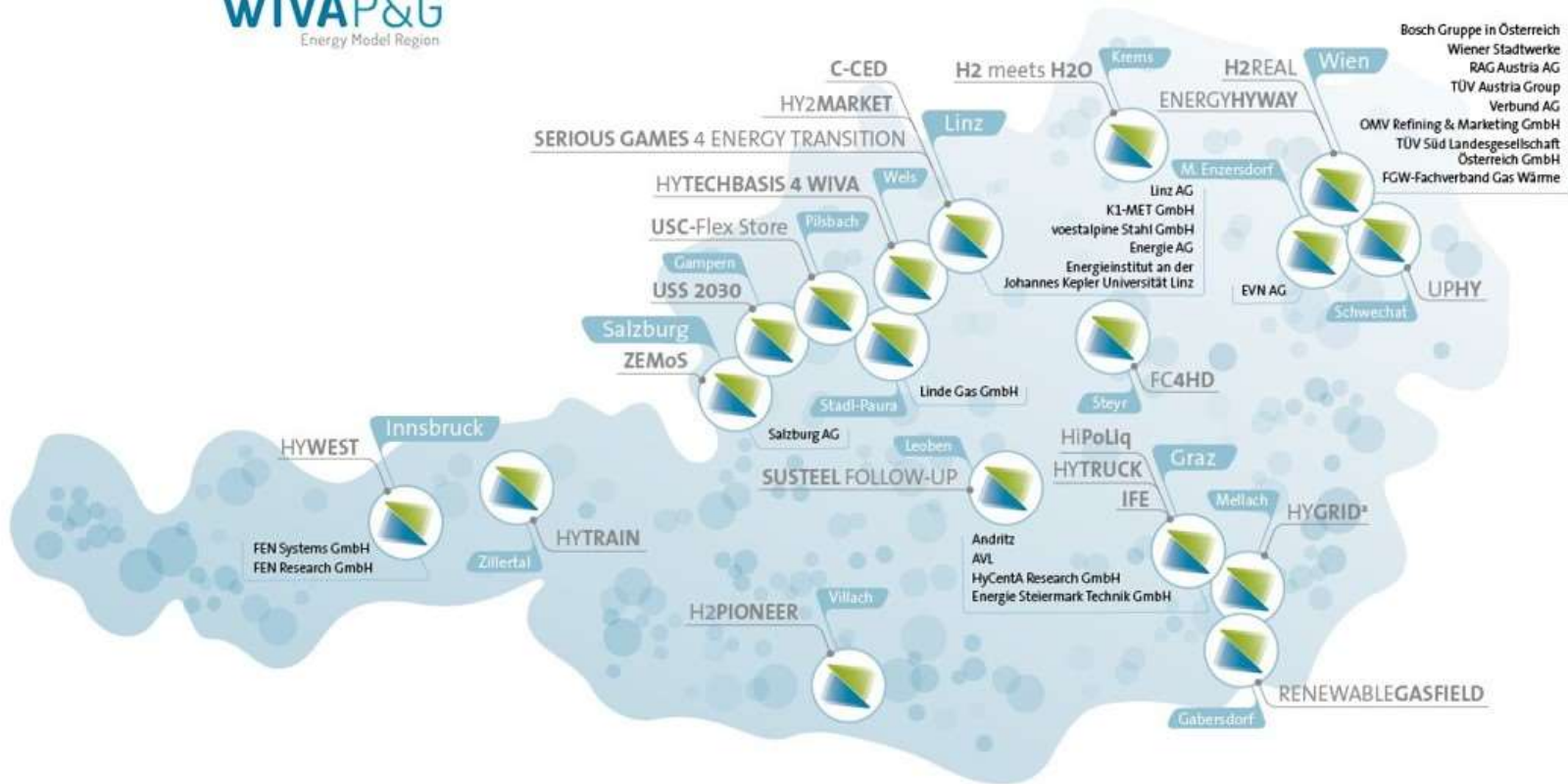
Renewable Gases in the Economic System



a* pyrolysis of biomethane: renewable hydrogen
 b* pyrolysis of natural gas: decarbonised/CO₂-neutral hydrogen
 * thermo-chemical conversion of solid biomass to biogenic gases



Projects



Hydrogen Valley

More than individual projects

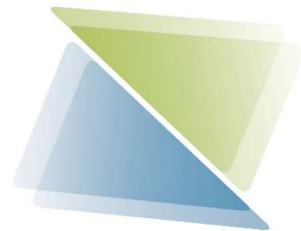




“Hydrogen Valley”

A **Hydrogen Valley** is a geographical area where clean hydrogen is produced and locally used by households, local transportation and industrial plants.

Hydrogen Valleys are a strong instrument to show how the EU hydrogen economy works at local level and includes citizens.





Aim - European Hydrogen Valleys

- Contribution to national and European climate targets
- National and European energy independence
- Transition to clean energy
- Expansion of production and supply of climate-neutral hydrogen - growing demand from industry, transport and other sectors
- Establishment of an integrated H2 network along the entire value chain



Hydrogen Valleys - global



- **Mission Innovation Hydrogen Valley Platform**
 - Global collaboration and database with information large-scale hydrogen flagship projects (Hydrogen Valleys)
 - WIVA P&G listed as a Hydrogen Valley



90 Hydrogen Valleys 34 Countries 152,506 Total investment (M€)



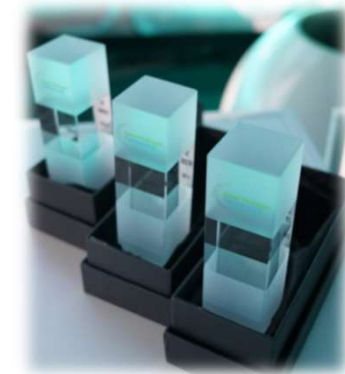
Source: <https://h2v.eu/>



WIVA P&G - Hydrogen Valley



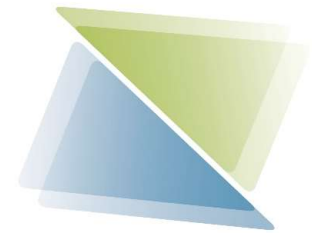
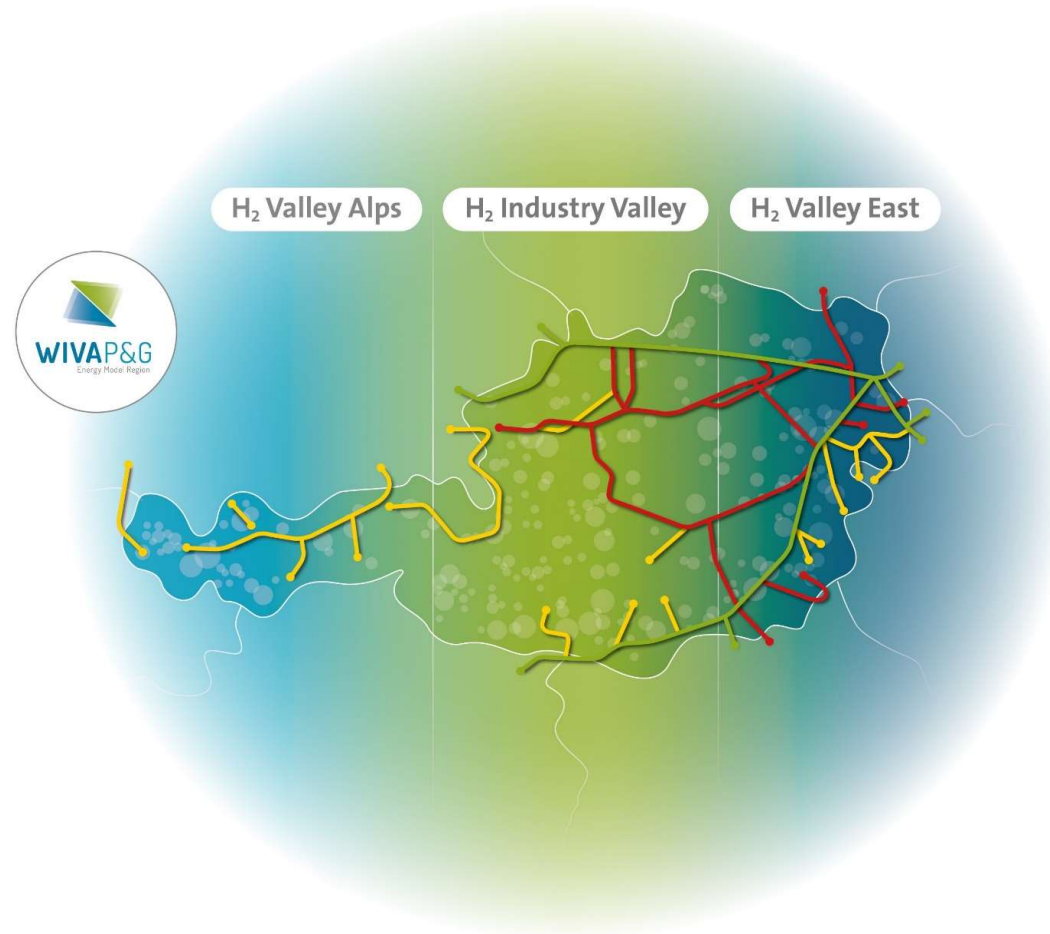
- Clean Hydrogen Partnership Awards celebrates how European research and innovation continue to drive the clean energy revolution further and higher
- **WIVA P&G** got the award „Hydrogen Valley of the Year 2023“



[WIVA P&G - European H2 Valley of the year - WIVA P&G](#)



Hydrogen Valleys in Austria in Preparation





*Hydrogen Valleys -
The next step of Austria on
the way to a clean energy
transition*

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