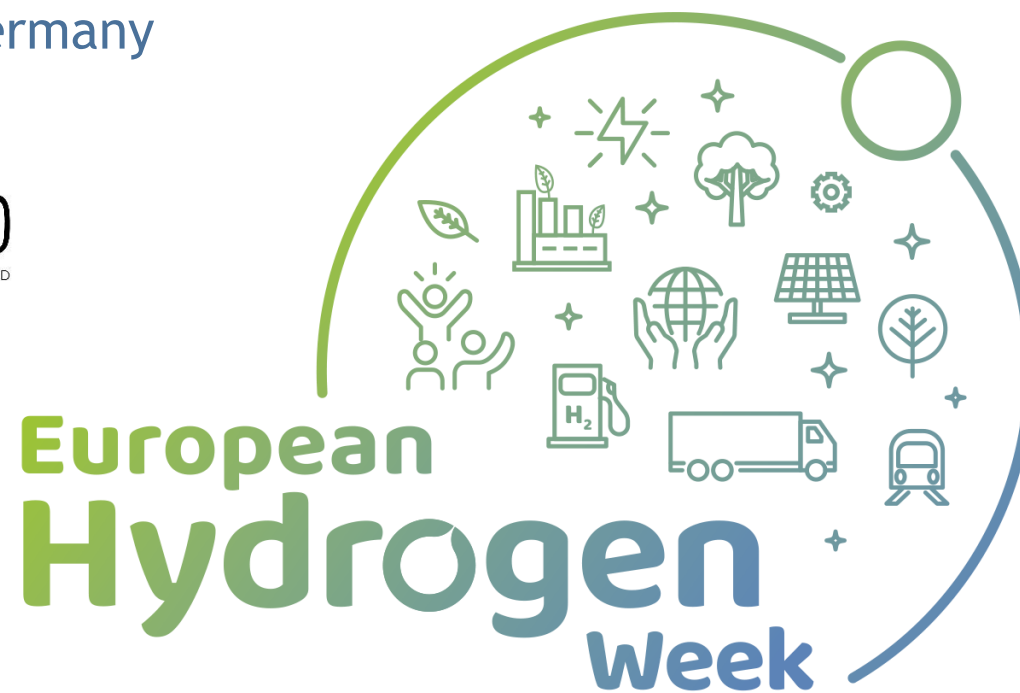


HyLand

Hydrogen Regions in Germany



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www.hy.land

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EUROPEAN PARTNERSHIP



Co-funded by
the European Union

#EUResearchDays
#PRD2022
#CleanHydrogen

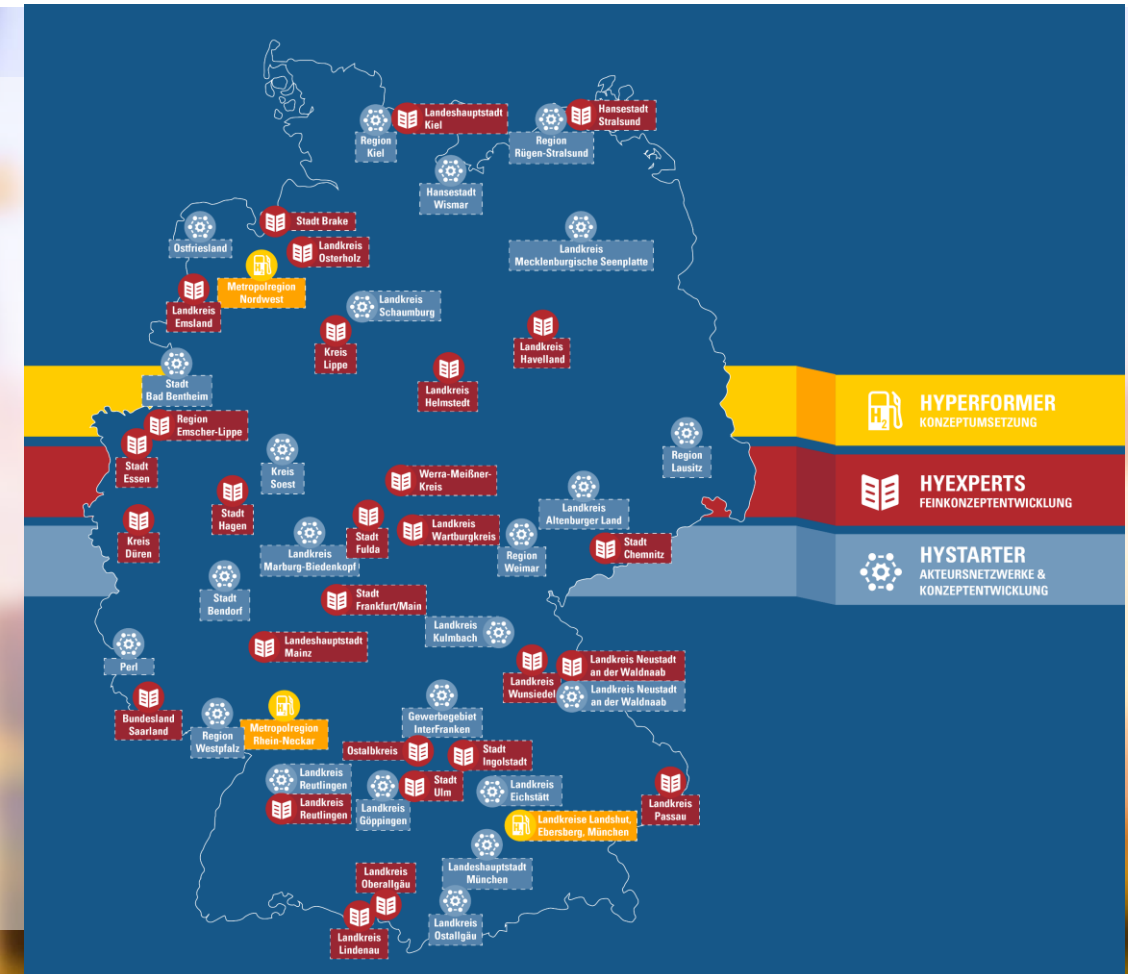
HYLAND – HYDROGEN REGIONS IN GERMANY

Support for initiation, planning and implementation of integrated H2 concepts



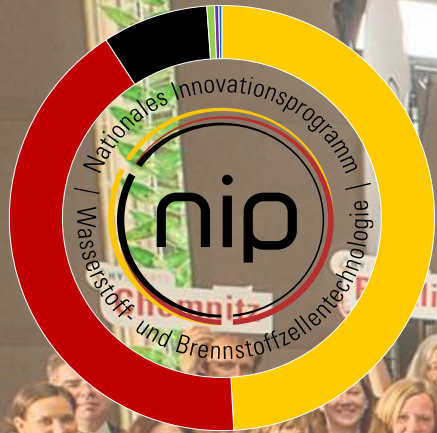
HyLand I		
	Applications	Funded
HyStarter	138	9
HyExperts	28	13
HyPerformer	6	3

HyLand II		
	Applications	Funded
HyStarter	65	15
HyExperts	51	15
HyPerformer	Call for applications open until January 2023	



HYLAND I & II

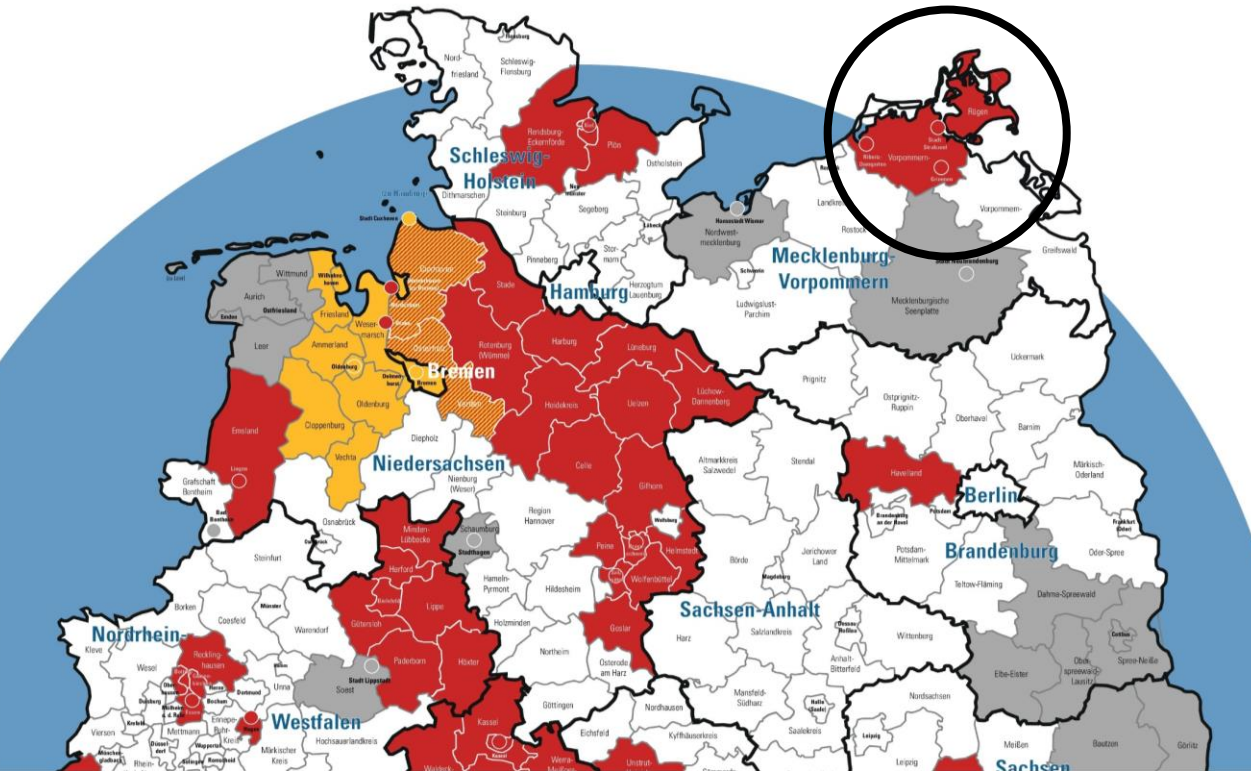
The competition in numbers



HYSTARTER – RÜGEN-STRALSUND

Coastal region with large RE potential.

- Accompanied for one year by a team of experts
- Identification of potentials, actors and project ideas
- Organisation and execution of strategy dialogues to establish a lasting network of actors



● H2-Production

- Electrolysis or plasmalysis

● H2-Mobility applications

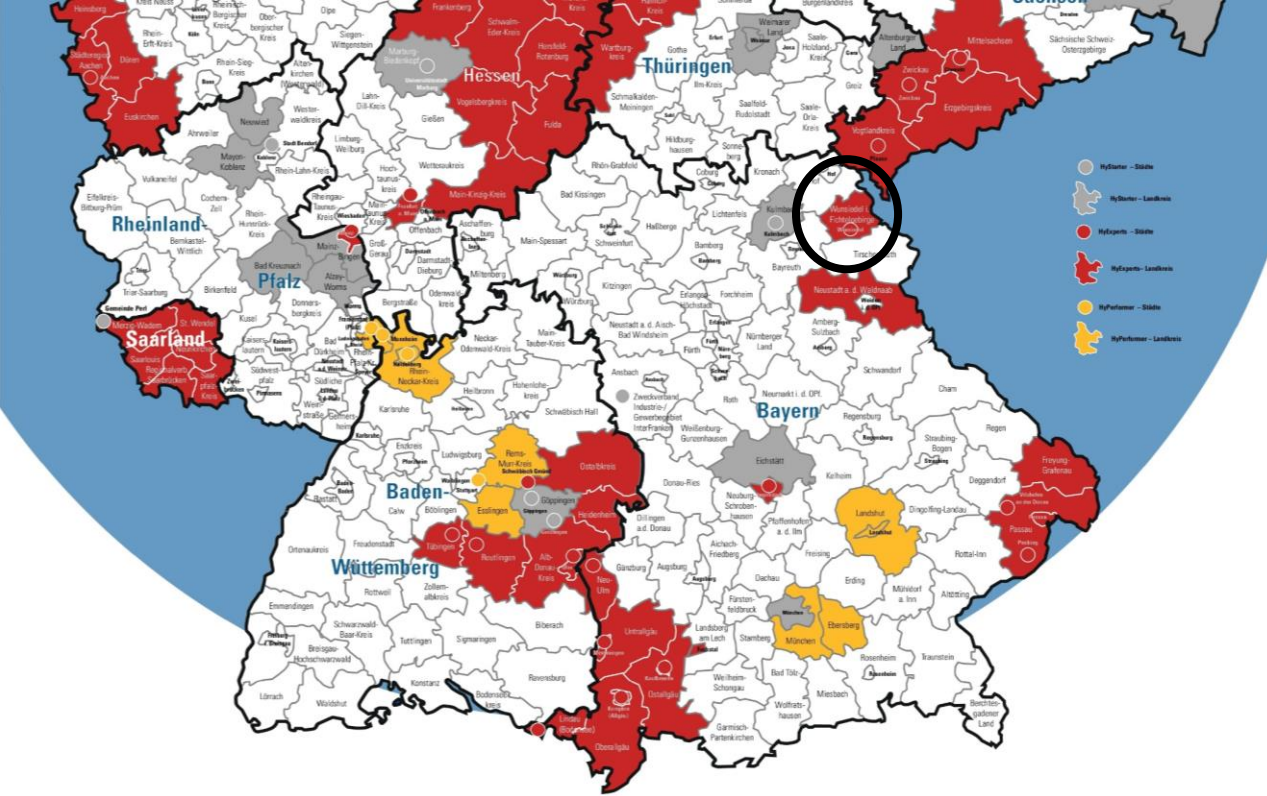
- Buses, trains, agricultural vehicles and cars

● H2-Stationary applications

- H2 ready CHP and stationary FC

● H2-Infrastructure

- Possible HRS locations



HYEXPERT - WUNSIEDEL IN THE FICHEL MOUNTAINS



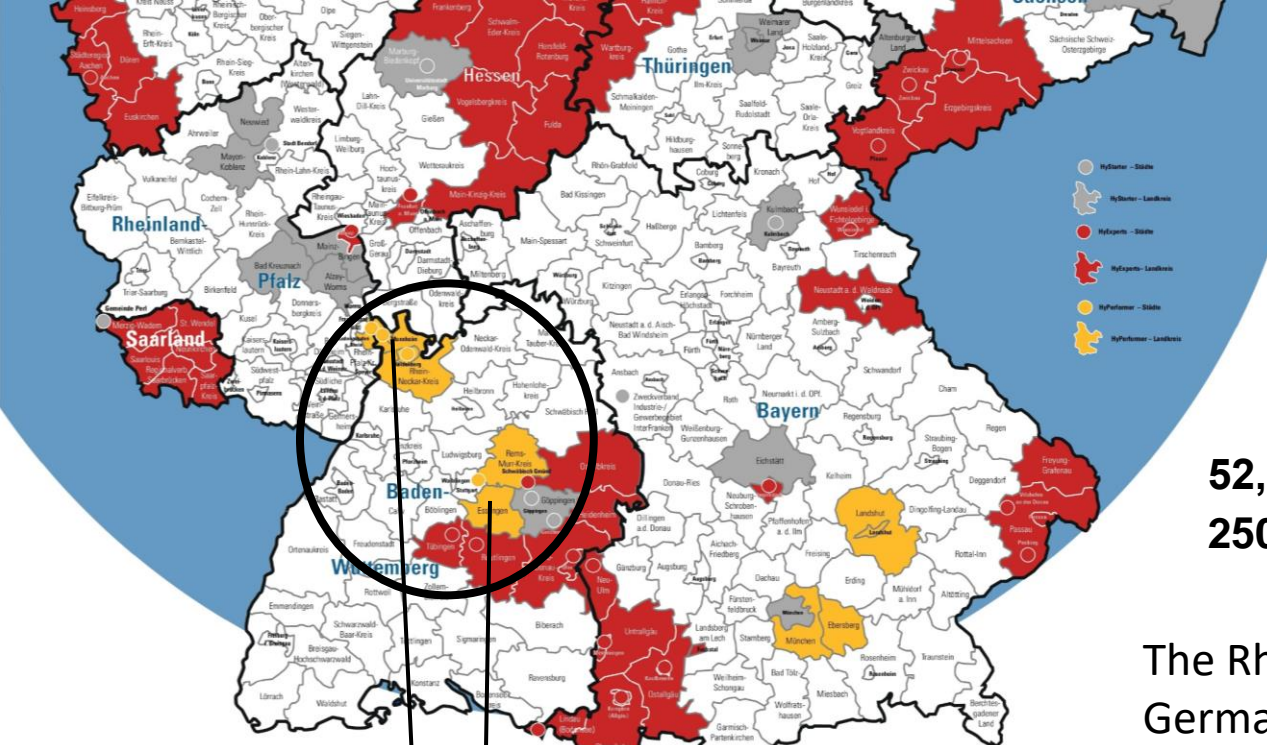
Rural area in the north eastern part of Bavaria, committed to demonstrating an emission free energy system. Hydrogen production as a grid management factor.

Founding of WUN H2 and construction of a 8,5 MW Electrolyser, completed in September 2022.

Questions answered in HyExperts:

- Where does the hydrogen go?
- Identification of potential offtakers → Community of interest with more than 50 actors, including large retailers, bus operators and utility companies
- Identification and planning of HRS locations
- Investments of around 40 Mil Euros planned until 2025





HYPERFORMER - METROPOLREGION RHINE & NECKAR



www.h2rivers.de

52,2 Mio. € total investment
250 t average demand H2/a



The Rhine Neckar region is one of the economic powerhouses of Germany, hosting companies such as BASF and SAP.

Hydrogen is a key component of economic development, especially for companies such as Daimler Truck and Freudenberg.

HyPerformer makes hydrogen technologies visible and demonstrates entire systems for mobility applications.



© BASF



Distributing industrial H2,
production of 250 t/a via
2 MW electrolysis



High capacity refilling centre,
12 trailers and 5 HRS



Cars and LDVs, 52x18m and
10x12m buses, communal HDV

HYPERFORMER – FACTS ABOUT THE CURRENT CALL



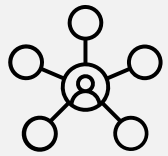
Funding investments for hydrogen in mobility applications.



- Looking for regions with **realizable projects along the value chain of hydrogen in the transport sector**. Concept for project management and communication is requested.
- Coordination with the **calls for buses and trucks**, funding programmes of the ministry of transport (high funding quotas of 80% cost Δ).
- Originates from the programm NIP II*:
 - Prescribes fundable objects and conditions
 - Electrolyser, HRS, distribution and applications
- 15 Mil. € per region, total of 45 Mil. €
- The deadline for submission is on the **31st of January**.
 - Including investment plan (template provided)

THE HYLAND NETWORK

Activities for and with HyLand regions.



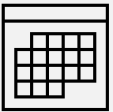
News from the network:

- Questionnaire for the development of HyLand
- Conceptualize and found a „Committee of the Hydrogen-regions“ – Begin in September 2022



Online presence:

www.hy.land



Events:

- Networking event on the 7th of October (Online)
- HyStarter regulatory workshop with PWC (Online)
- Thematic workshop – excursion in December
- HyLand Symposium

Connecting,
planning,
implementing.

Gefördert durch:



Bundesministerium
für Verkehr und
digitale Infrastruktur

Koordiniert durch:



Projektträger:



Unterstützt durch das HyStarter II Konsortium:



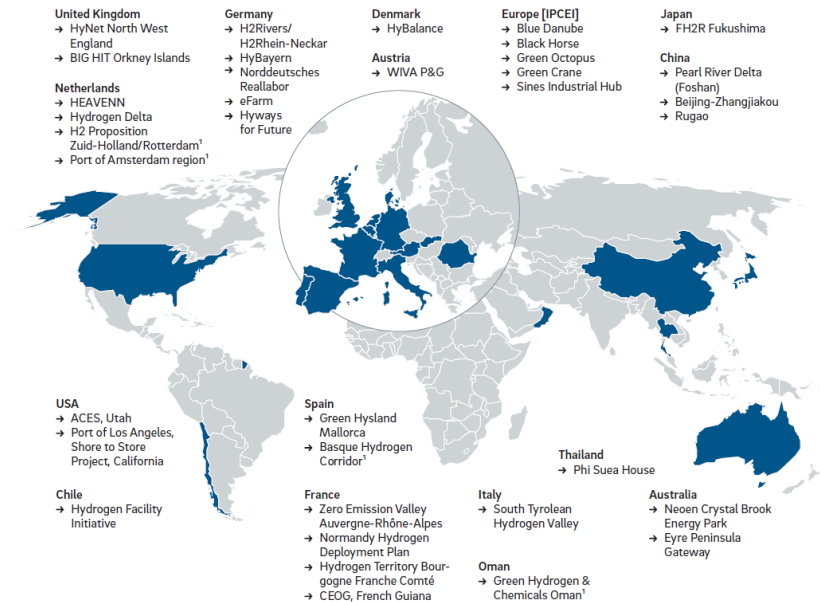
Cooperation on an international level

- **The NOW** supports the efforts for the **Clean Hydrogen partnership** to update and improve the Hydrogen **valley platform**
<https://h2v.eu/>
- Cooperates in developing the funding concepts for hydrogen regions and seek out synergies between the governance levels
- Exchanges with the Clean Hydrogen Partnership at programming level to ensure coherence among activities and identify opportunities for co-funding



Note: Hydrogen regions and valleys supported by different programmes are already cooperating in some regions
All funding programs should be regarded!

Conclusion: Coordination at EU and National level is necessary





NOW

NOW - G M B H . D E

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