POMORSKIE
VOIVODESHIP

Pomorskie Hydrogen Action Plan

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Gdańsk, 25th March 2026

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Clean Energy – Diagnosis

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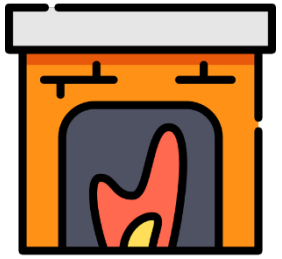
Electro energetic

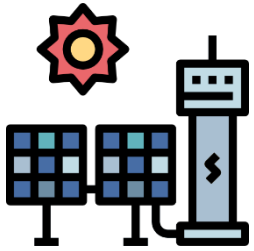
- Deficit of electric power in Energy sources, high potential for their location

Heat Energy



- Improve Energy efficiency in building sector, development district heating

Renewable Energy Sources



- Potential for the development of renewable Energy (wind, sun, biomass) and green hydrogen production **(Energy storage, transport fuel)**

Improving air quality

- Despite the relatively clean air, pollution occurs mainly with particulate matter

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Regional Strategic Programme for energy and environmental safety

Regional Strategic Programme in the field of economy, labour market, tourist offer and free time

B+R Technologies

Design and development of hydrogen installations and devices

Generation, transmission and storage of hydrogen

Use of Hydrogen:
- Rail and road transport
- Municipal economy
- Industry and Energy

Low Emission Economy

Competences (Education, Social Awareness)

PEST

SWOT

Diagnosis of the state of the hydrogen economy

Mapping and entities and initiatives

Determination of strengths and advantages

Benchmarking

SCENARIOS I – LEADER HYDROGEN ECONOMY

SCENARIOS II – MODERATE IMPLEMENTER

SCENARIOS III – PASSIVE IMPLEMENTER

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Pomerania on light gas - directions and scenarios for the development of the hydrogen economy until 2030 with an outlook to 2040 (REPORT)

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- Economic and Energy Potential
- Strategic Location and Natural Resources
- Decarbonisation and Competitiveness
- Infrastructure and Technology Support
- Social and Local Governmental Commitment

4CF The Futures Literacy Company

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REGIONAL POMERANIAN CHAMBER OF COMMERCE

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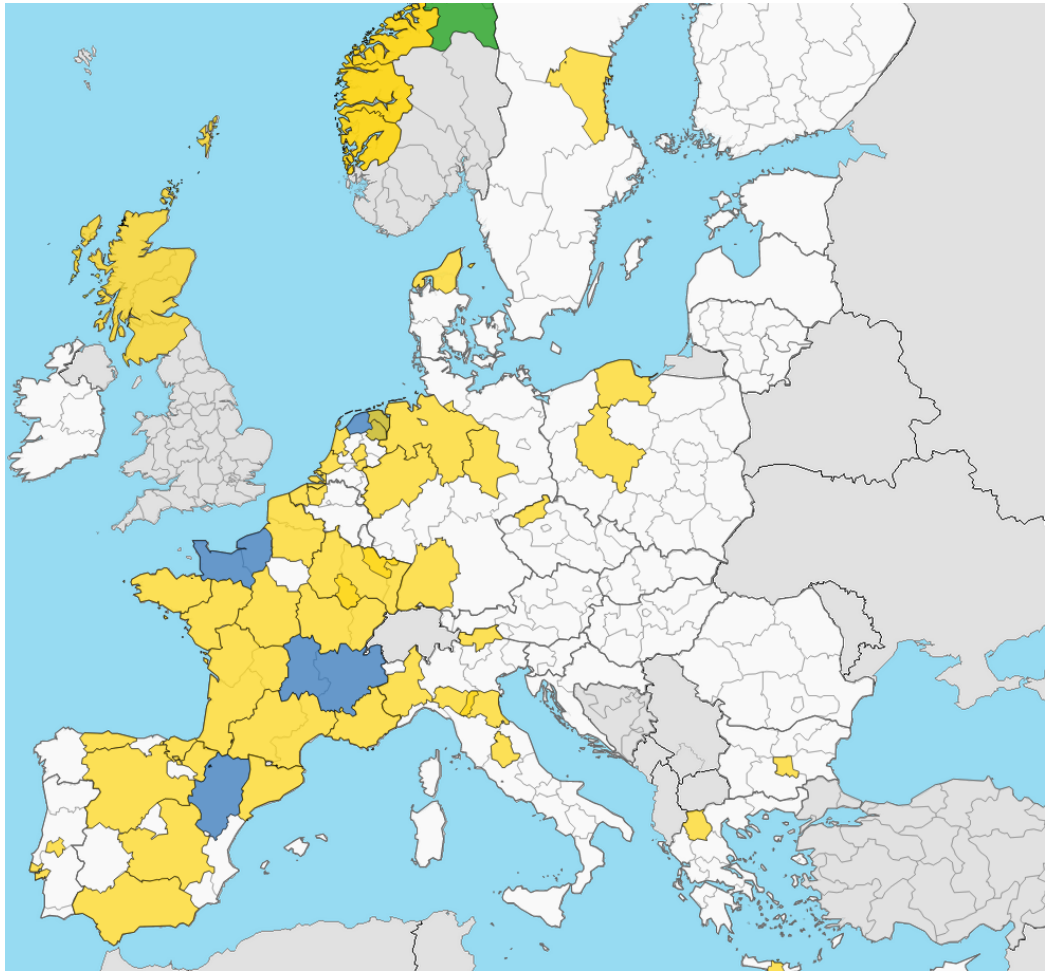
European Hydrogen Valleys Partnership
S3 platform

Acceptance date:

12.04.2022



https://s3platform.jrc.ec.europa.eu/hydrogen-valleys

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2 Hydrogen filling station from 2024

In Gdańsk and Gdynia

- *17 Hydrogen buses in Gdańsk and Gdynia*

- *Main Investor: ZEA PAK*

- *Main Investor: ZEA PAK*

Green H2 – start in 2028

- *Electrolyser - 1 MW*

  H2 - 140 ton per year

Amber Hydrogen Valley – prepaer project

- *Electrolyser*
  Port Infrastructure
  Pure H2
  Storage Green H2

Picture: Gdansk.pl

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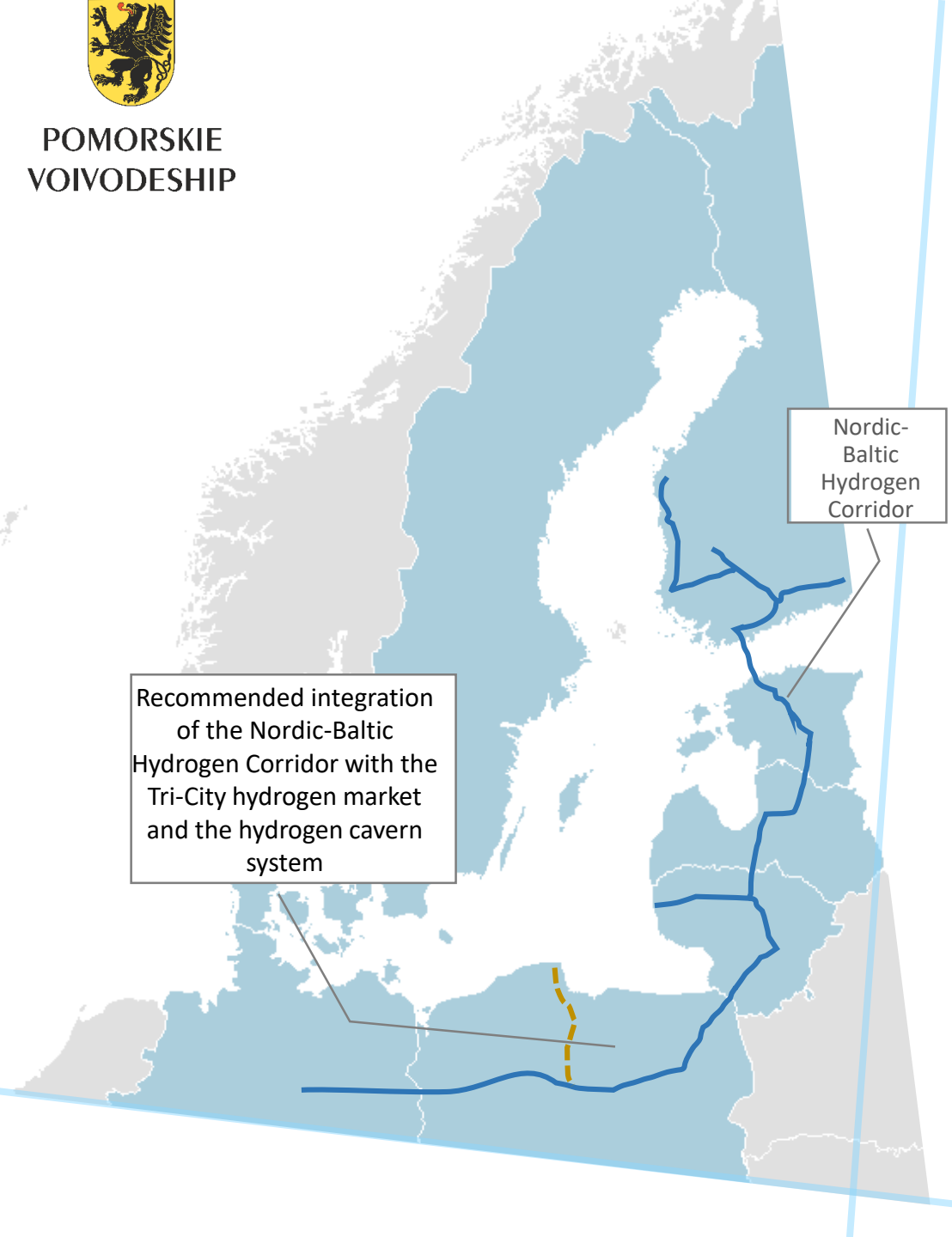

The Baltic Sea region is undergoing a profound energy transition, with significant changes to the way energy is produced, consumed and distributed.

- The Nordic-Baltic Hydrogen Corridor is currently in the feasibility study stage, with studies being carried out at the level of the individual countries involved in the project's development.
- Given the expected growth of the hydrogen market in the Pomeranian Voivodeship, as well as the potential development of a salt cavern storage system in Kosakowo, it seems reasonable to integrate these areas into the planned hydrogen transmission system.
- This could be achieved either directly, by determining the route of the pipeline and taking into account the key resources of the Pomeranian Voivodeship,

or indirectly,

- by constructing a pipeline that would integrate the local hydrogen market with the Nordic-Baltic Hydrogen Corridor transmission pipeline.

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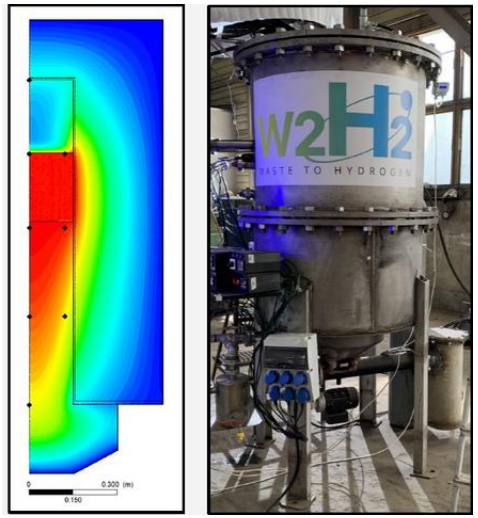
Pomerania Region as a centre for innovation in hydrogen technology



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Thank you for your attention!

Department for Economic Development

Office of the Marshal of the Pomorskie Voivodeship