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BalticSeaH2 Cross-border Hydrogen Valley around the Baltic Sea

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Co-funded by
the European Union

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Project Overview



Call year:
2022

Call topic:
HORIZON-JTI-
CLEANH2-2022-
06-01

Project dates:
1.6.2023 - 31.5.2028

Total project budget:
33.2 M€

BalticSeaH2

% stage of implementation
01/11/2023: 8 %

Clean Hydrogen Partnership max. contribution: 25 M€
Other financial contribution: 8.2 M€

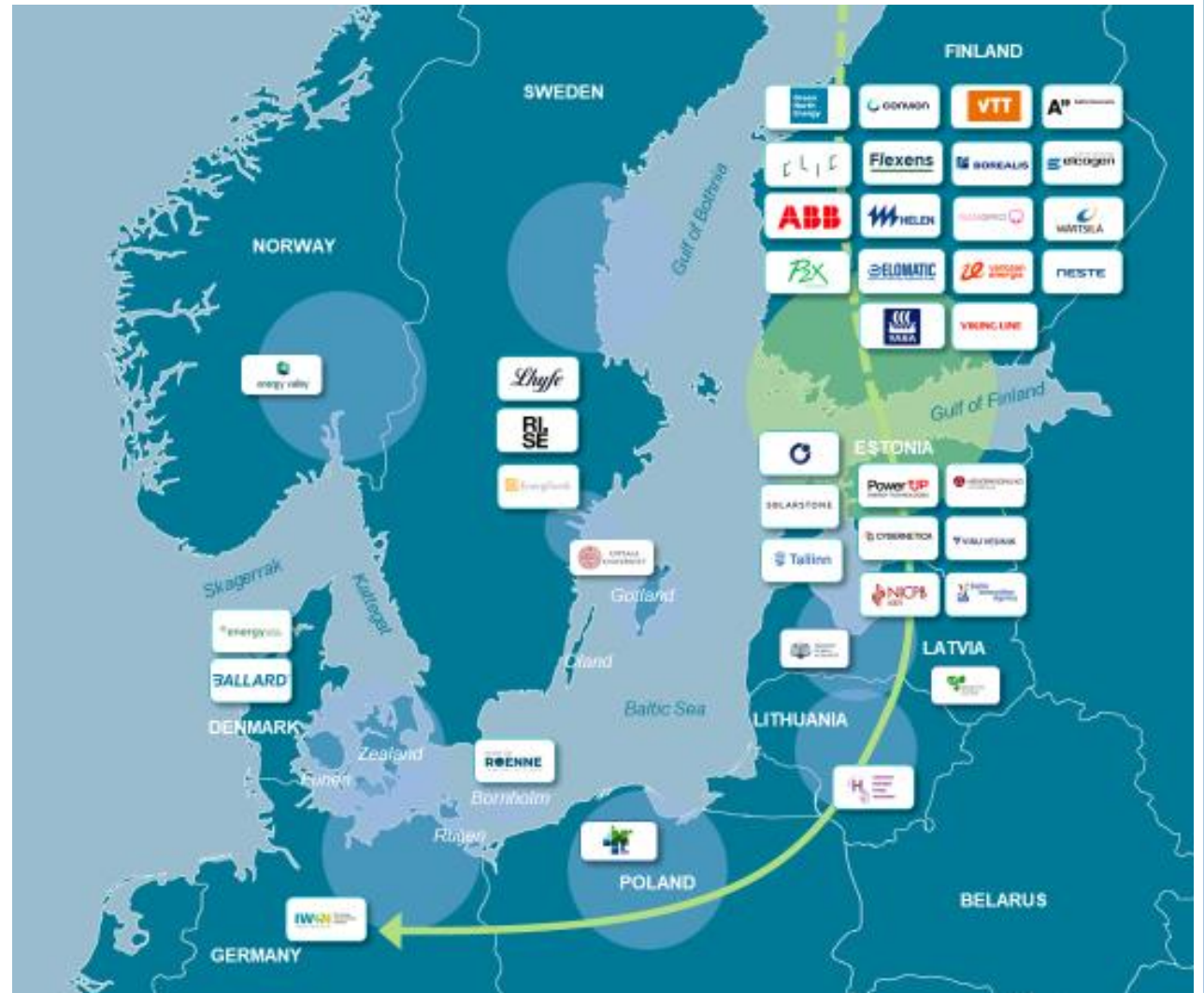


Partners and location of the Hydrogen Valley

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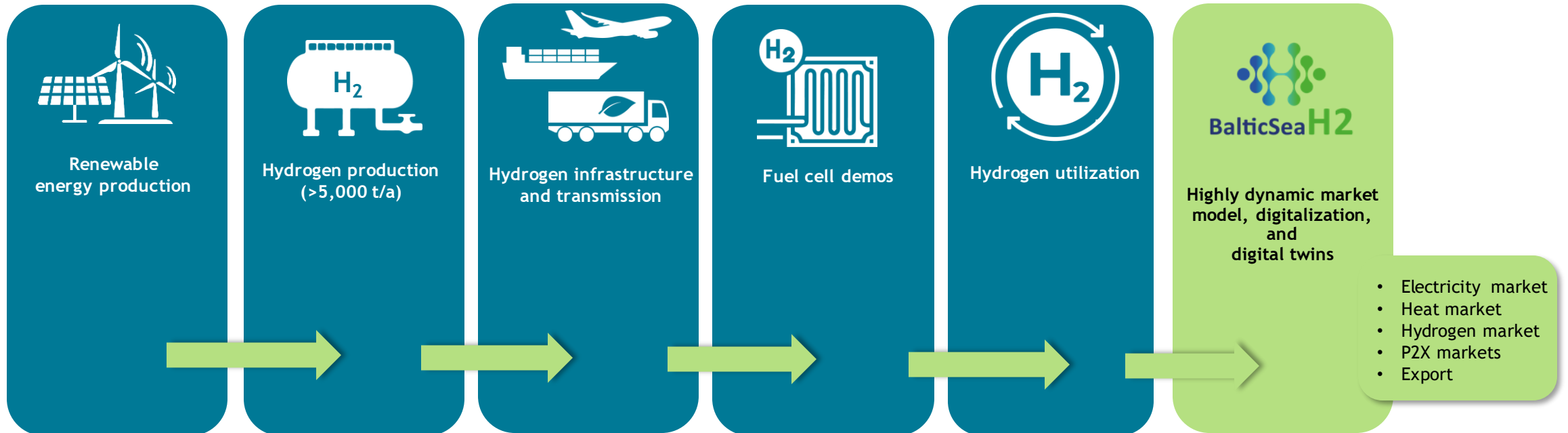


- 40 partners in 9 countries
- Coordinated by CLIC Innovation and Gasgrid Finland
- Main Valley located between Finland and Estonia
- Connected (replication) valleys in Norway, Sweden, Denmark, Latvia, Lithuania, Poland and Northern Germany



Overall Hydrogen Valley Concept 1

Coverage of the whole value chain: renewable electricity providers - hydrogen producers / heat utilizers - H2 logistics providers - biobased CO2 sources - e-fuel producers

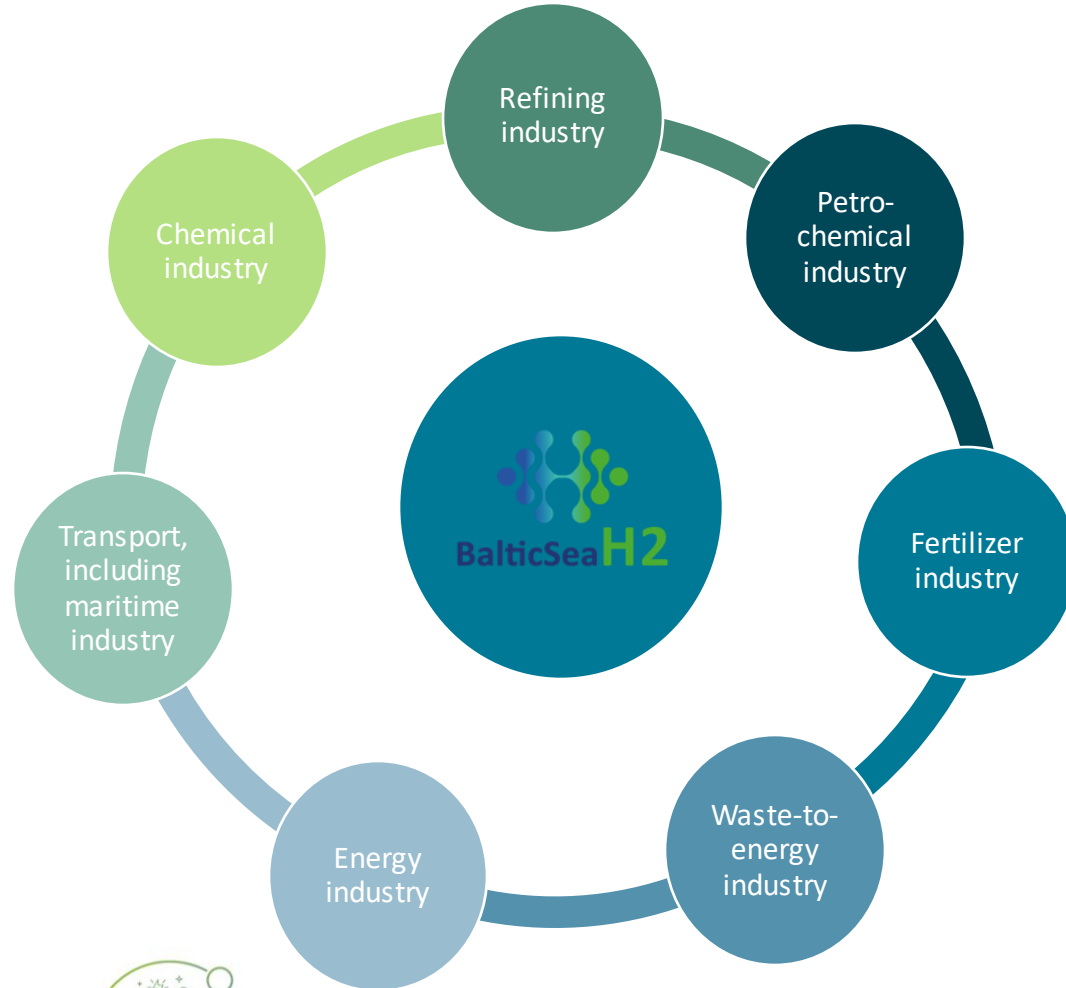


Sector integration leads to more efficient use of primary energy, minimizes carbon emissions in various industries, and improves energy security and self-sufficiency.

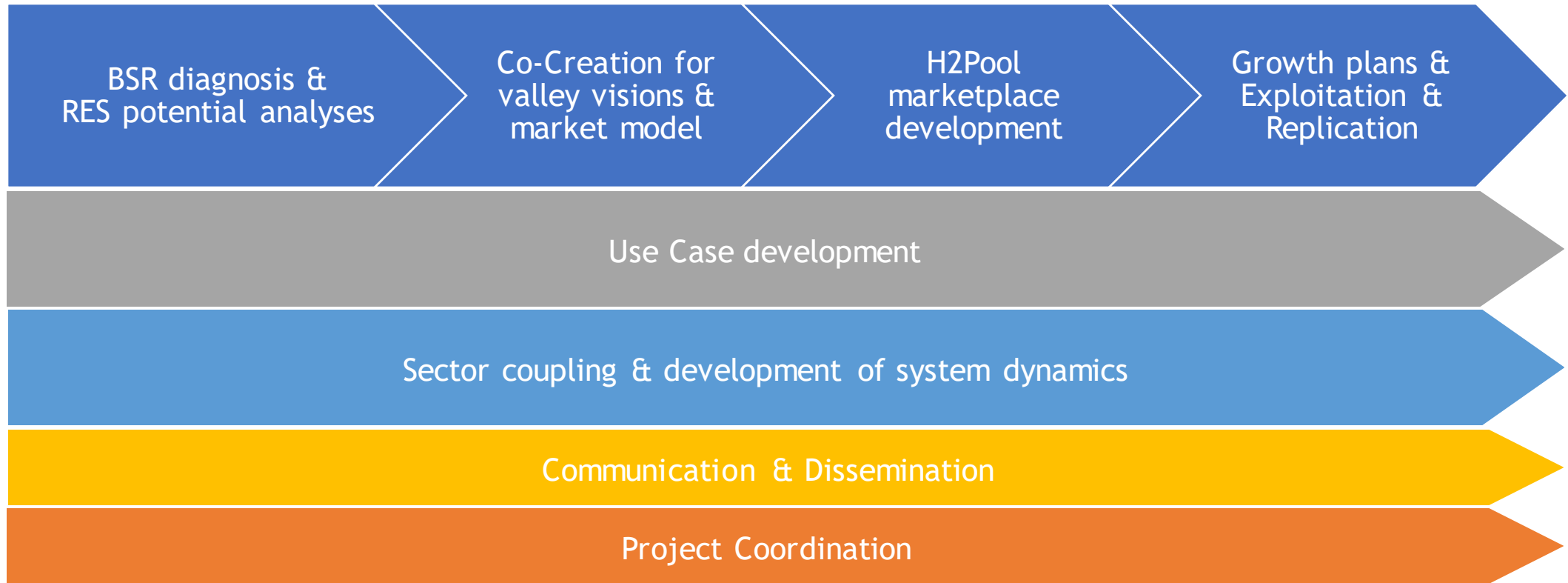
Overall Hydrogen Valley Concept 2

BalticSeaH2 will demonstrate over 20 Use Cases for the production, storage, transmission, and use of hydrogen.

These Use Cases are pillars for building the green hydrogen economy in the Baltic Sea region.



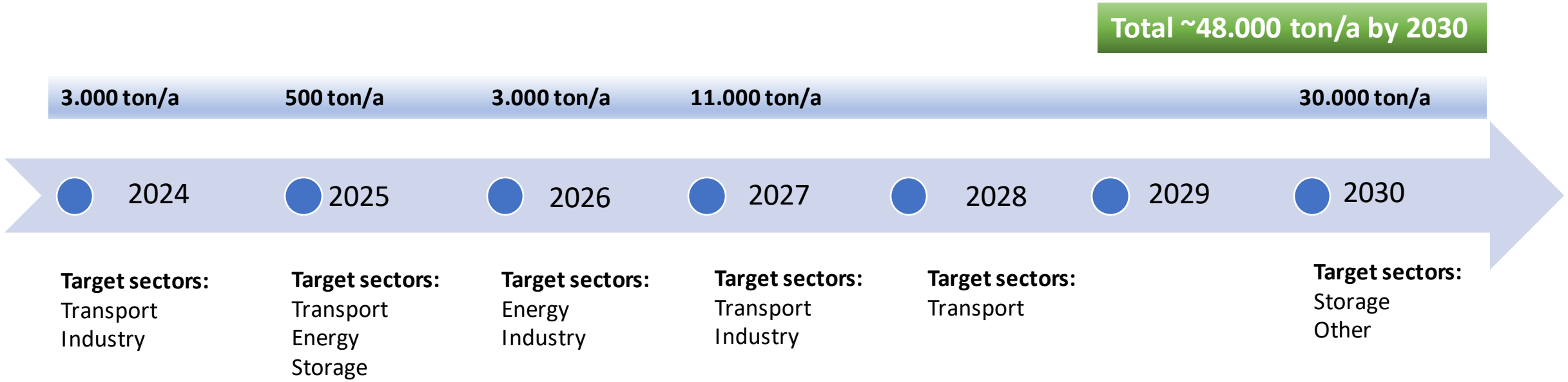
Calendar for project implementation and progress



Calendar for Valley implementation and progress



BalticSeaH2 Renewable hydrogen production targets - Roadmap 2030

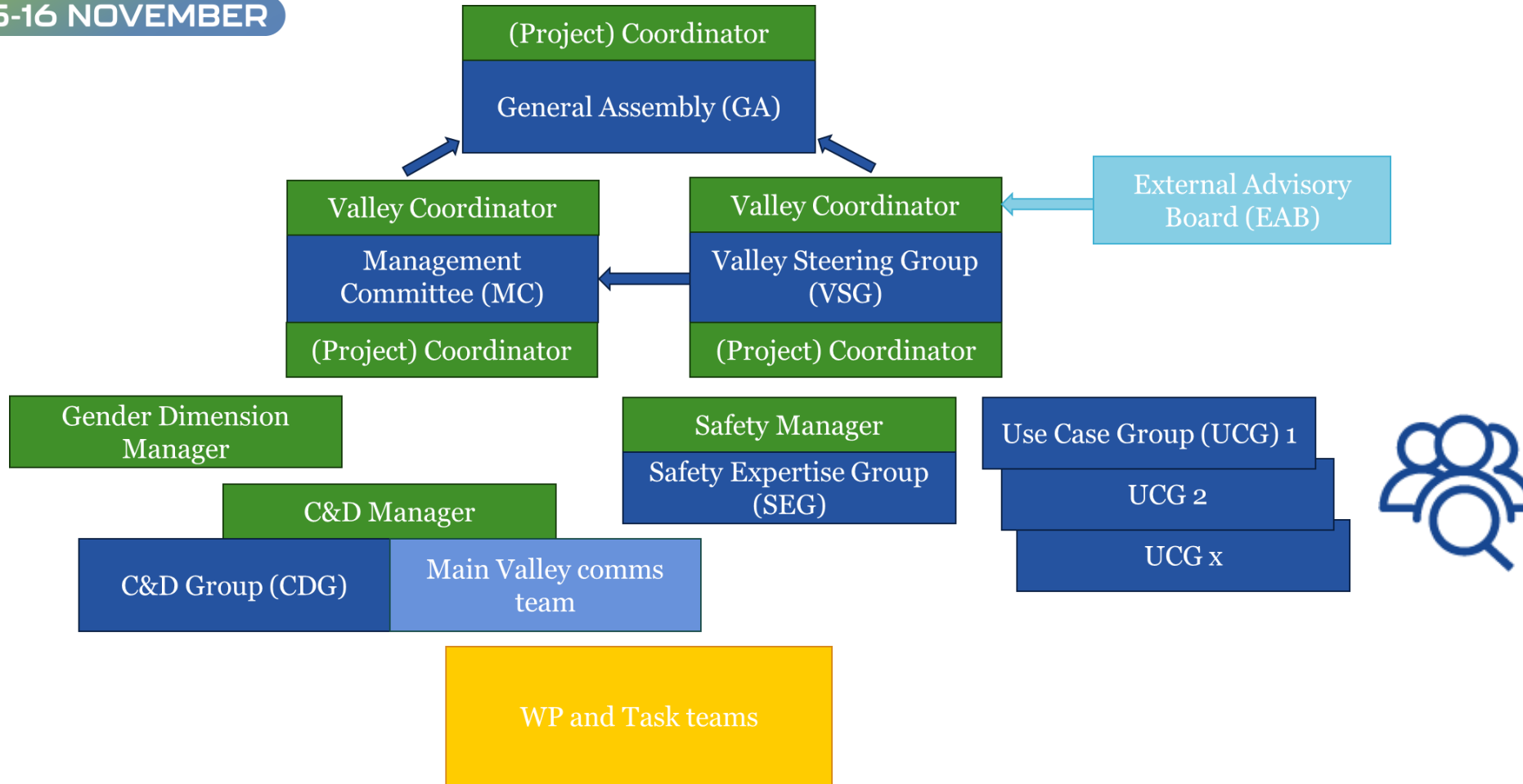


Note: The plants that are already under construction have received investment financing from the Innovation Fund, or IPCEI, RRF, or other funding from the Finnish ministry or the Finnish Climate Fund.



Project governance

H2Pool marketplace will connect the businesses together after the project



- Progress & FID contact
- Technical expert (KPI)
- Safety expert
- Comms contact

Risks & Challenges

Greatest risks for the implementation of clean hydrogen economy in the Baltic Sea region include:

- Regulatory barriers for implementation
- Failure in raising financing for the investments
- Social acceptance

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Communication and dissemination



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BalticSeaH2

Demonstrating hydrogen economy with the largest
cross-border Hydrogen Valley in Europe

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