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HYDROGEN DIPLOMACY OFFICE ASTANA (H2-DIPLO: DECARBONIZATION DIPLOMACY)

@ SUSTAINABLE ENERGY DAYS IN TEMIRTAU

THE ROLE OF GREEN HYDROGEN IN DECARBONIZATION

H2-diplo – Decarbonization Diplomacy



Ongoing energy transition towards renewables



Fossil fuel export and transit countries face future decrease in demand

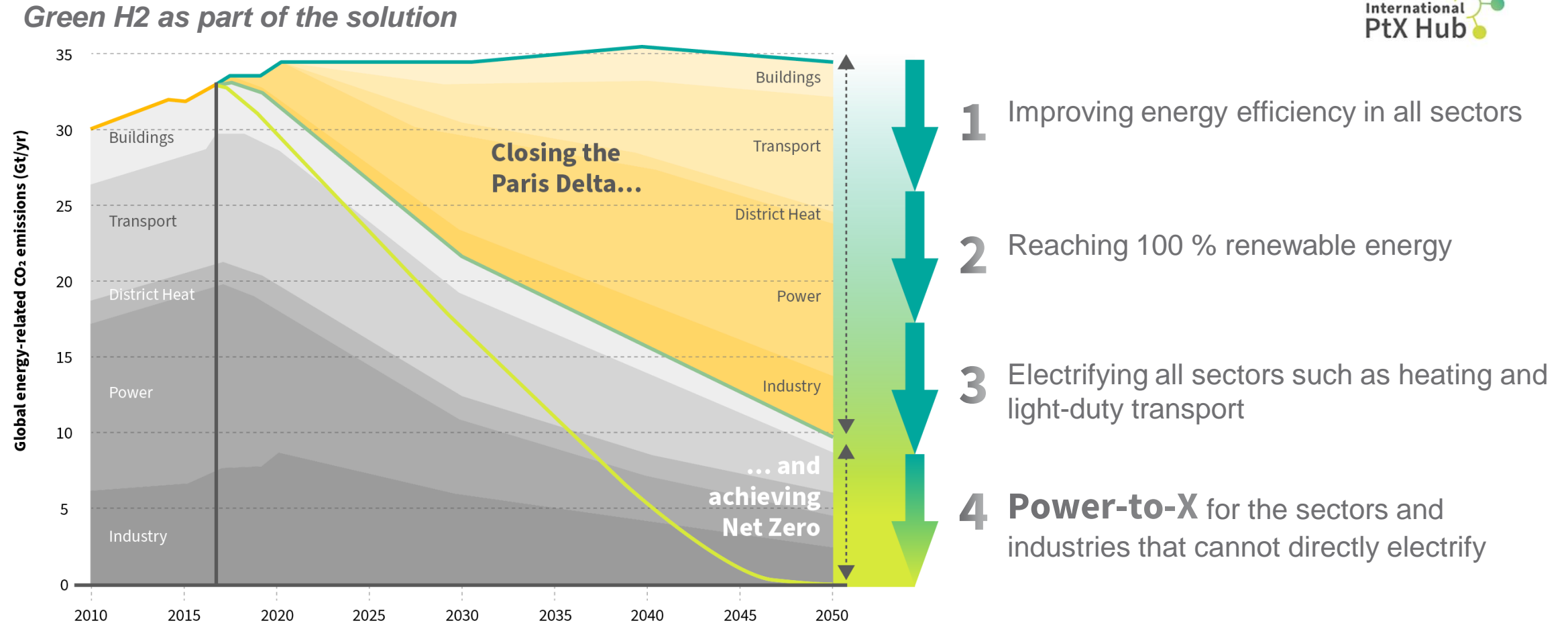


Advancing the global energy transition

Local economy diversification, decarbonization and value chain integration

Advancing global trade of green hydrogen

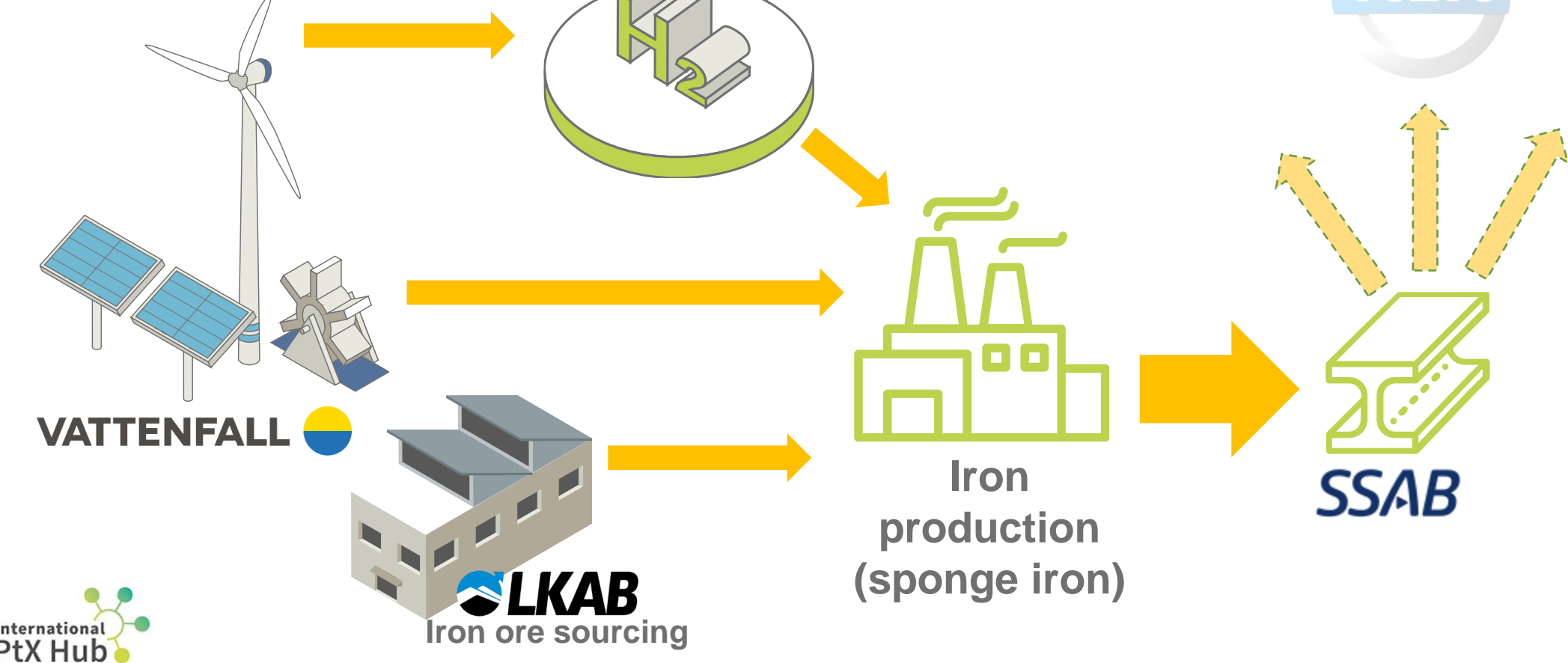
The Role of Green H2 in Decarbonization



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Green Steel in Sweden



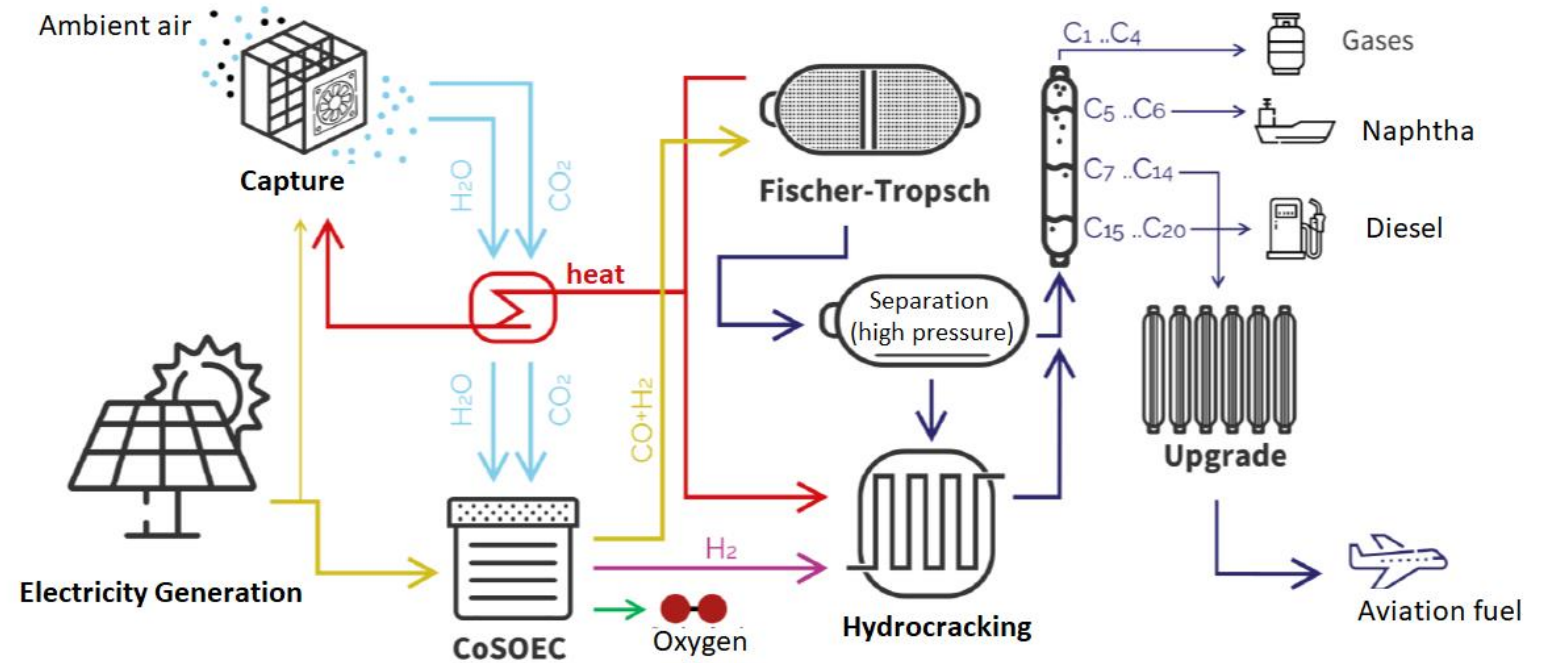
Source: International PtX Hub illustration based on: Klimareporter (Wille, J.), Grüner Stahl am Start, 2021.

The Role of Green H2 in Decarbonization



Synthetic Aviation Fuel in Brazil

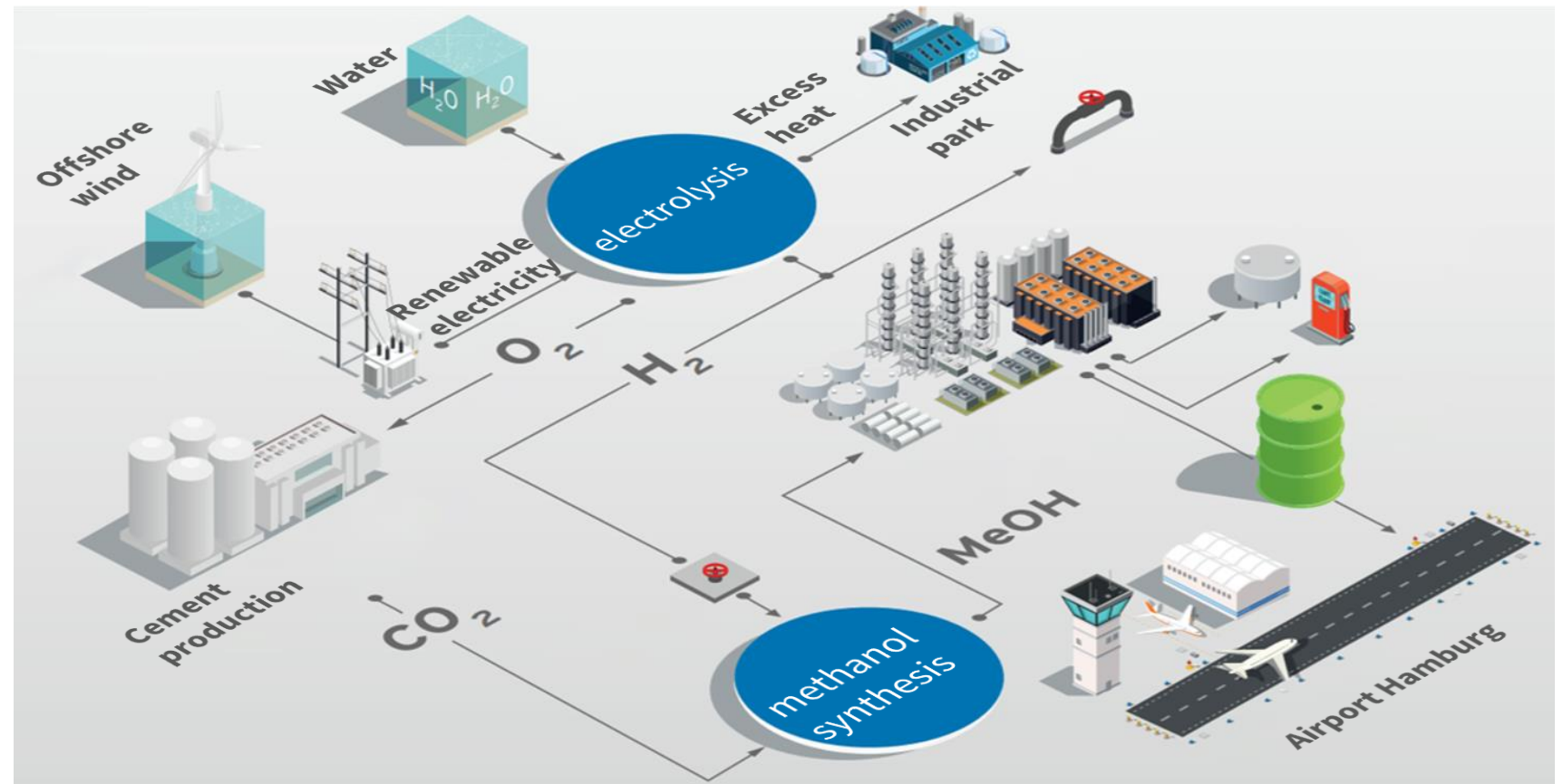
Model of the plant



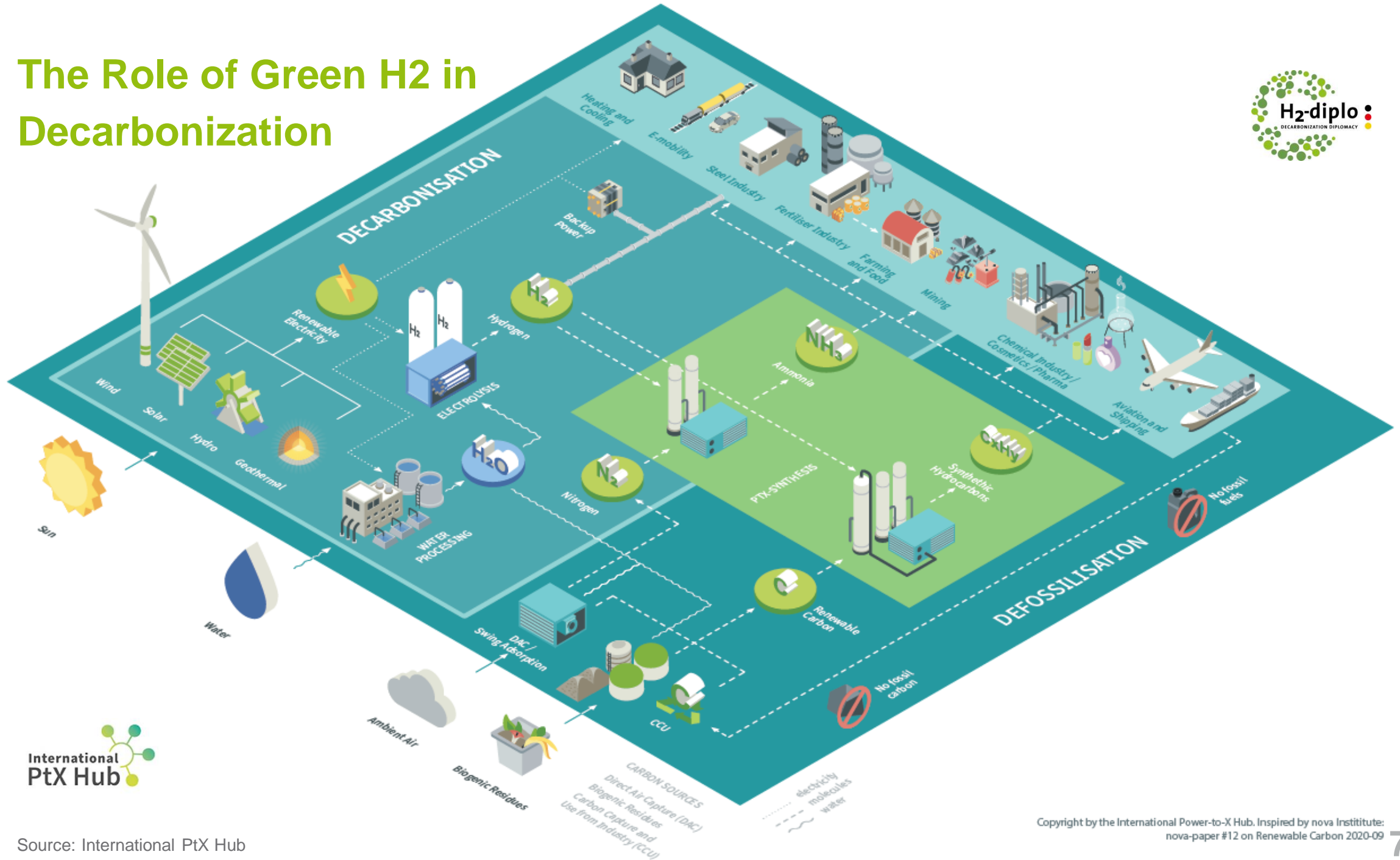
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Industrial cluster with green H2 in Germany – Westküste 100



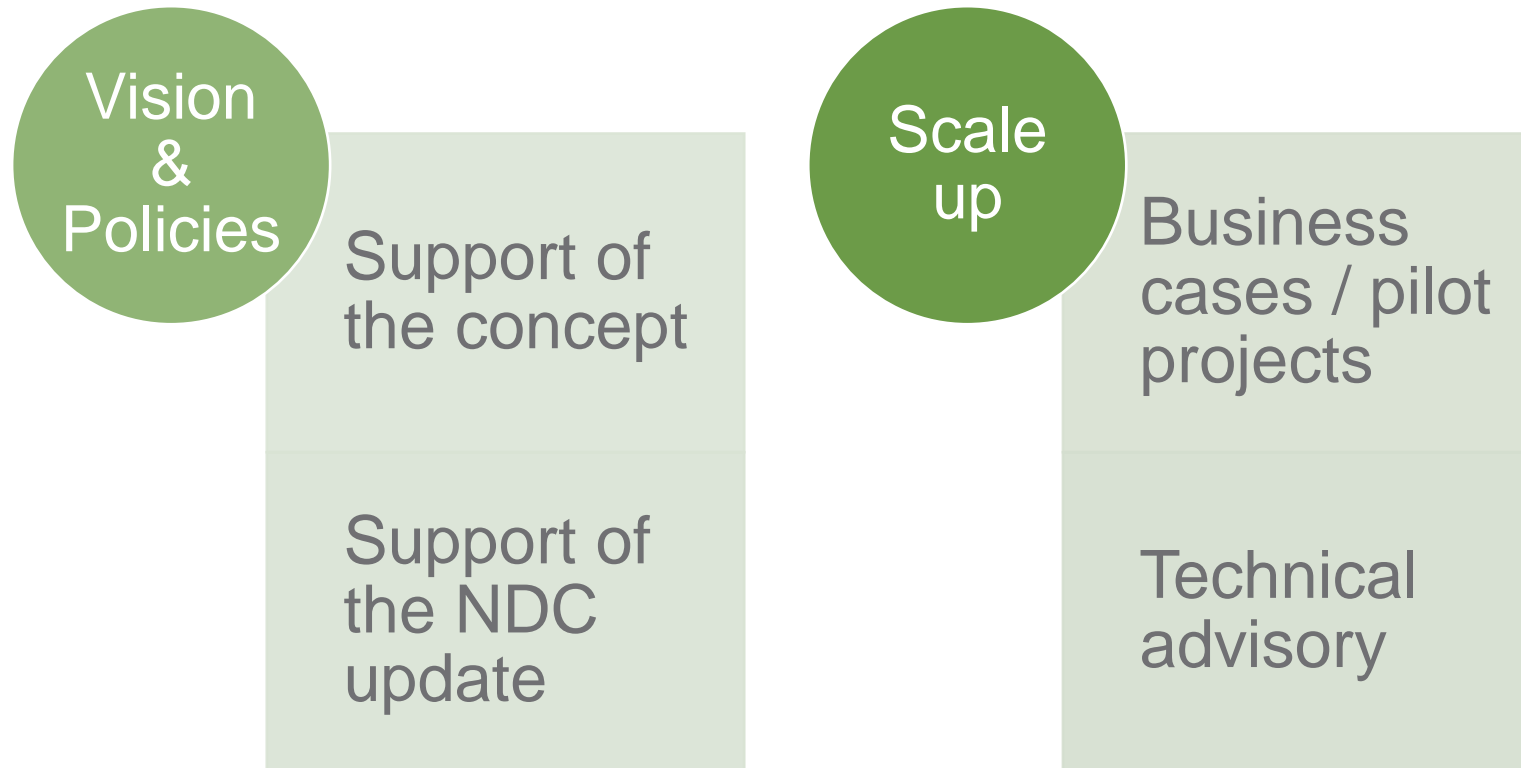
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H2-diplo + H2-PEP



Спасибо! Рақмет! Thank you!

**For any questions, please contact the
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