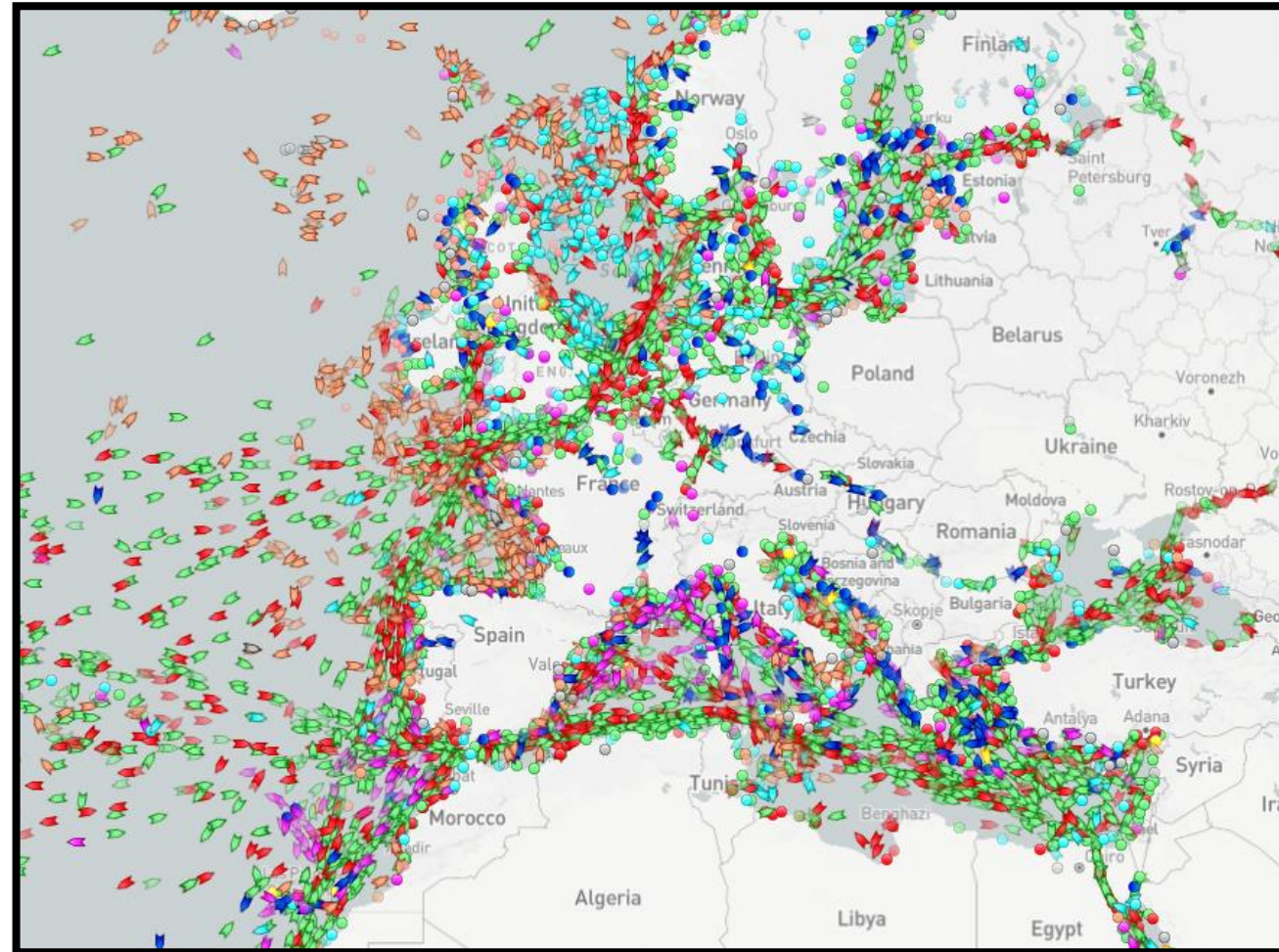


H2SHIPS seminar hydrogen solutions for inland shipping

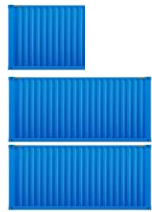
Brussels, 26th October 2022



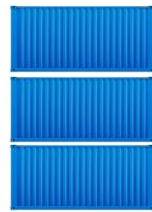
Fuel storage volume



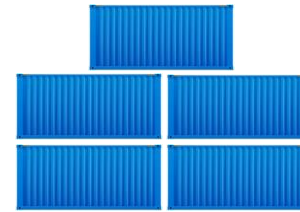
Diesel



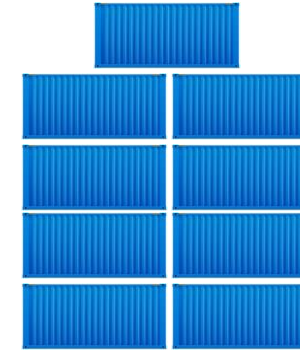
Methanol



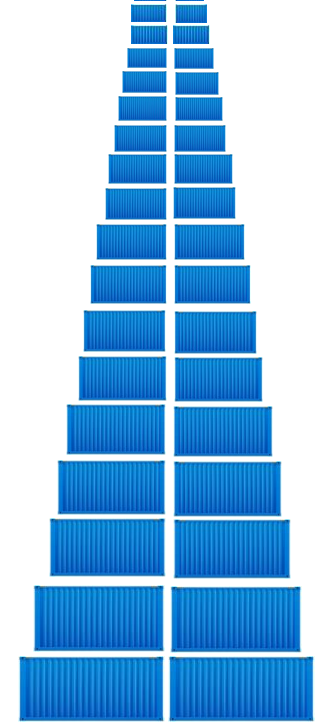
Ammonia



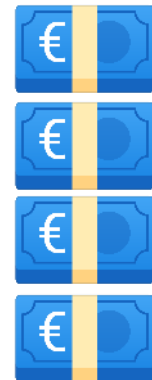
H2 *liquid*



H2 C@700bar



Batteries



Fuel cost

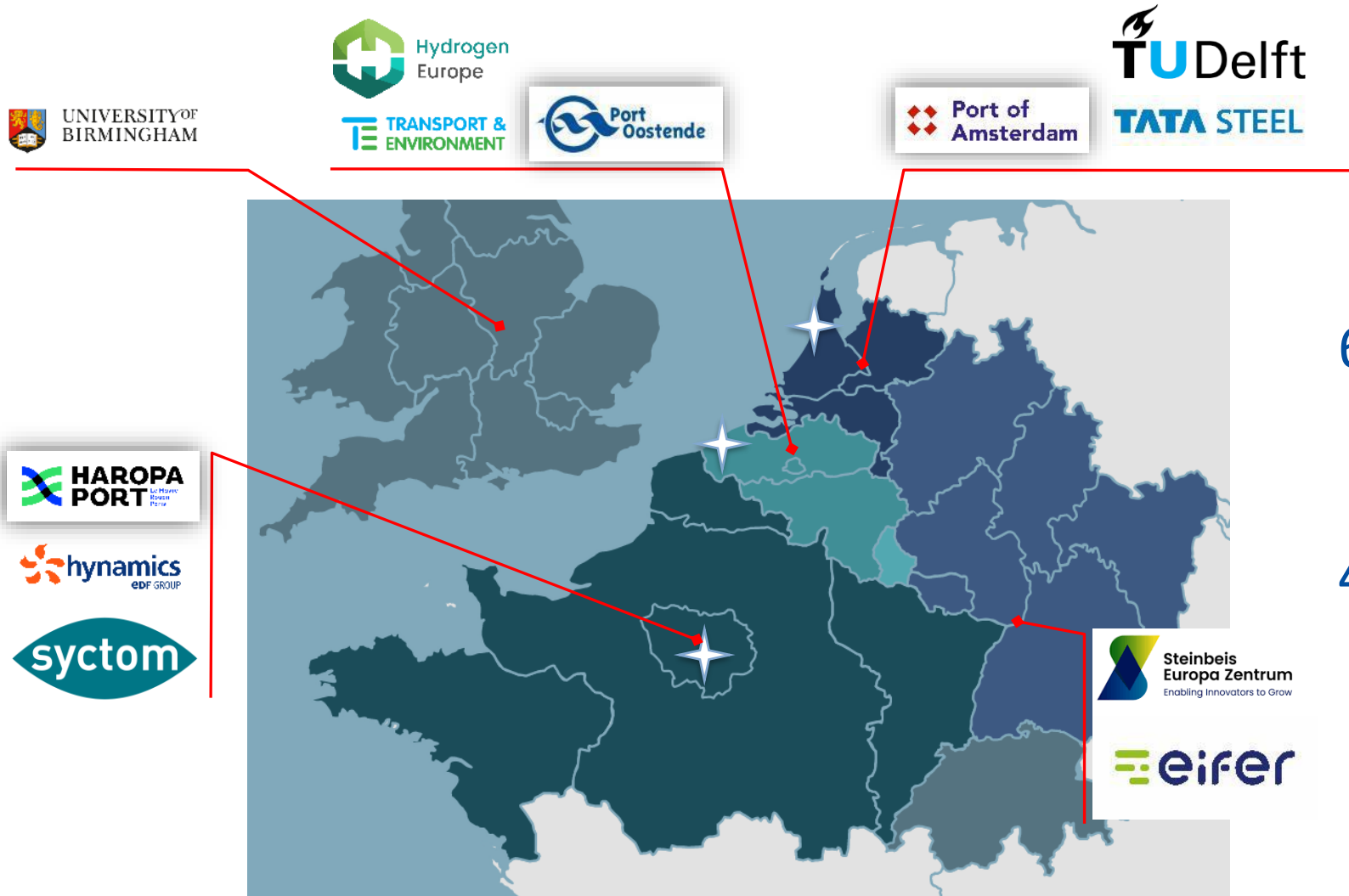
Hydrogen-fuelled ships ... an old story?



Amsterdam
2009



Hamburg
2008



6 M€ budget

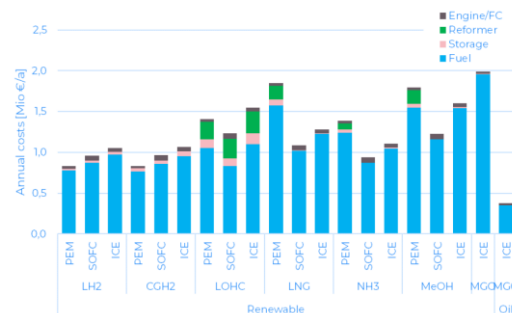
3,5 M€ funding

4 years

2019 – 2023

What is H2SHIPS about?

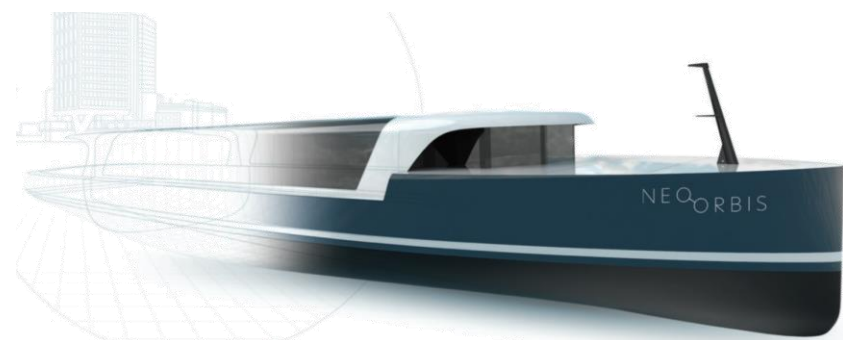
➤ Understand



➤ Convince



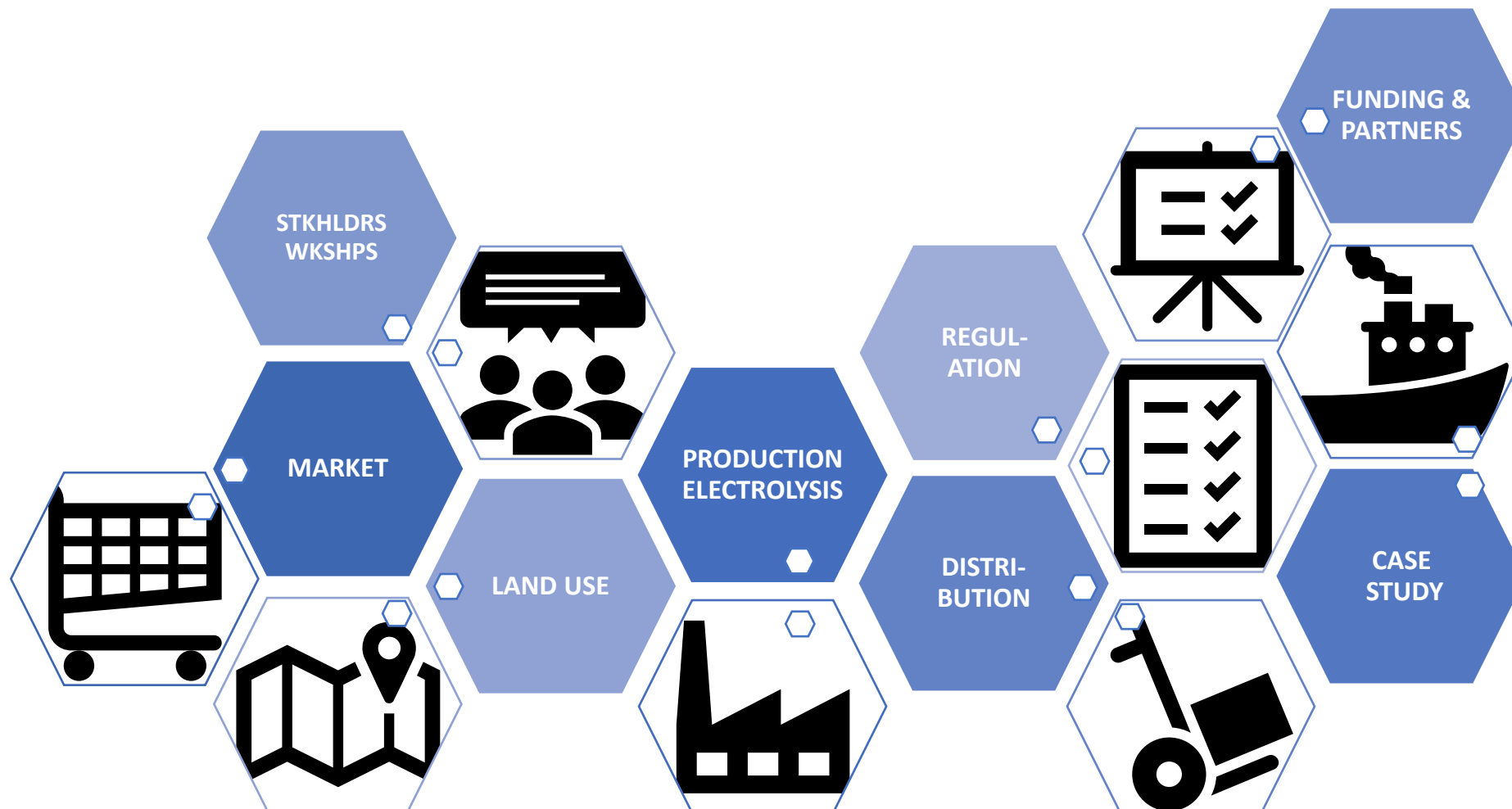
➤ Demonstrate



*3 ports ...
... 3 pilot sites*



The case of Paris



H2SHIPS – the 2 pilots

Amsterdam - Klaas Visser (TU Delft)

Ostend - Jan Allaert (Port of Ostend)

SH2IPDRIVE: Sustainable Hydrogen Propulsion Drives

Alex Vredevelde (TNO)

RH2INE: Rhine Hydrogen Integration Network of Excellence

Patrick Krieger (EE Energies GmbH)

ANTONIE: The world's first dry bulk barge powered by green hydrogen

Arno Treur (NPRC)

Interreg



EUROPEAN UNION

North-West Europe

H2SHIPS

European Regional Development Fund

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