#### 😪 HyValue

# FME HyValue

Norwegian Centre for Hydrogen Value Chain Research Fionn Iversen, Centre Director, NORCE

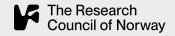
fiiv@norceresearch.no



US-Norway Bilateral Meeting October 31 - November 1, 2023



Norwegian Centre for Environment-friendly



#### S HyValue



Common kick-off for hydrogen research centres HyValue and HYDROGENi October 2022



Norwegian Centre for Environment-friendly Energy Research



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# HyValue – Norwegian Centre for Hydrogen Value Chain Research

Research for safe and sustainable development of value chains for hydrogen and hydrogen-based energy carriers through

- significant reduction of energy loss and emissions
- cost-efficient solutions
- solving technical challenges for the transition
- assessing and improving the strength of knowledge in risk assessment
- sustainable socio-technical systems for hydrogen
- resolving economic and regulatory barriers for implementation









### HyValue in numbers

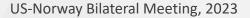
Project duration: 2022-2030 Total budget: ~370 MNOK

8 national research partners (UiB, UiS, HVL, FNI, TØI, NHH, SNF, NORCE) 4 international research partners (MIT, TNO, PIK, Jülich)

~30 PhDs/Postdocs (2022-2030) ~10 Mscs per year 4 associated projects to date

49 userpartners









#### Norwegian Centre for Hydrogen Value Chain Research



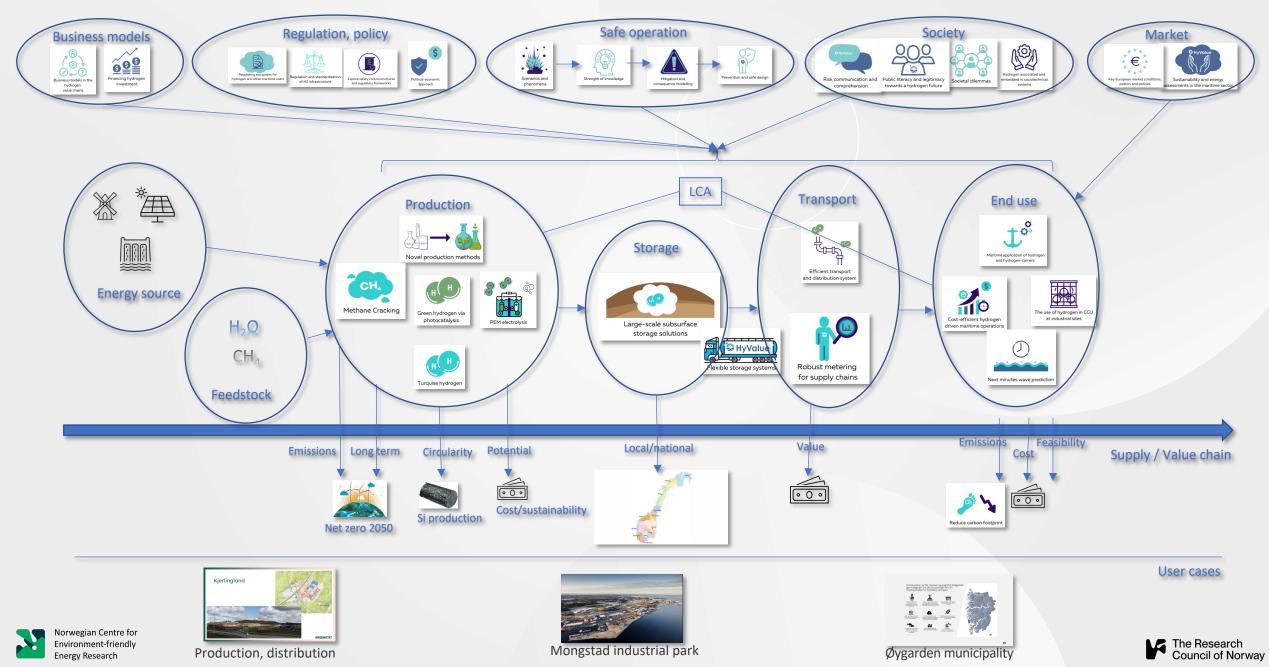




Forskningsrådet

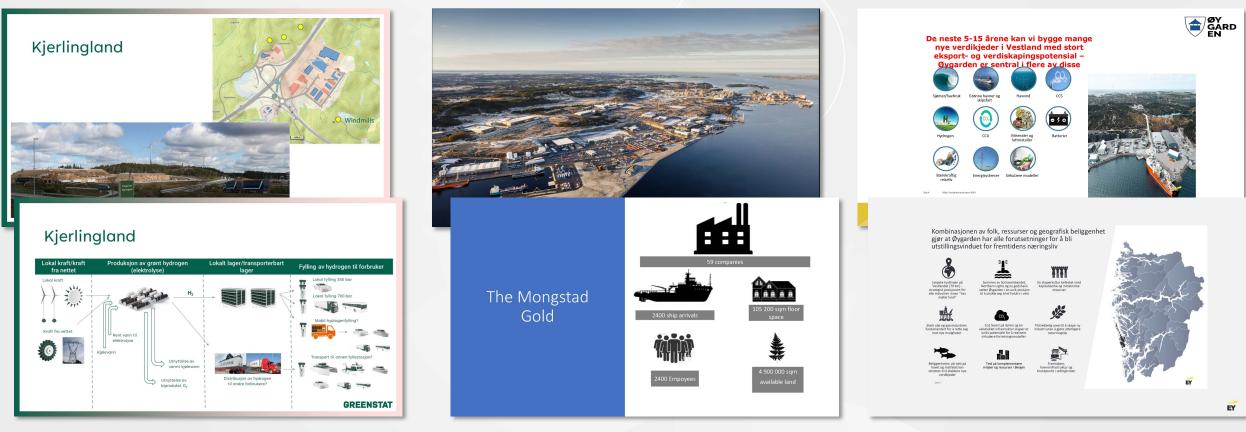


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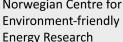


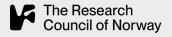
#### Se HyValue

#### User cases









#### **HyValue**





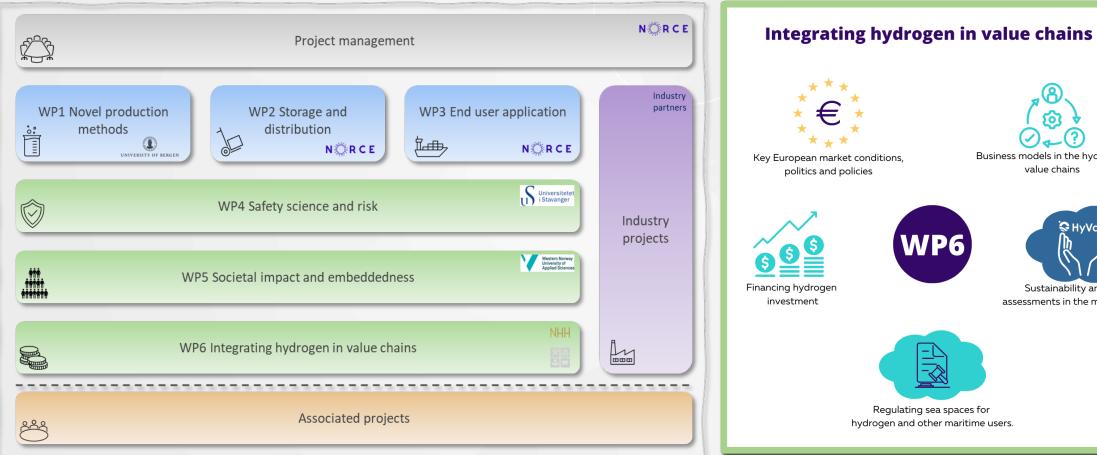
**Environment-friendly** 

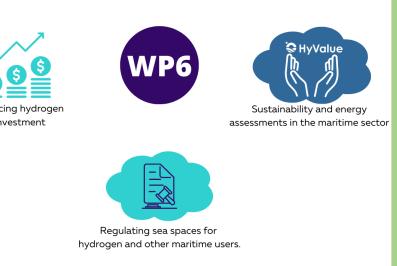


#### **Research Activities**

Jon T. Selvik didaki seroida and NHI HANDA CLEANDAL WP Me Beadlead W/Pg/eskjold UiB WP4 co-lead



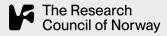


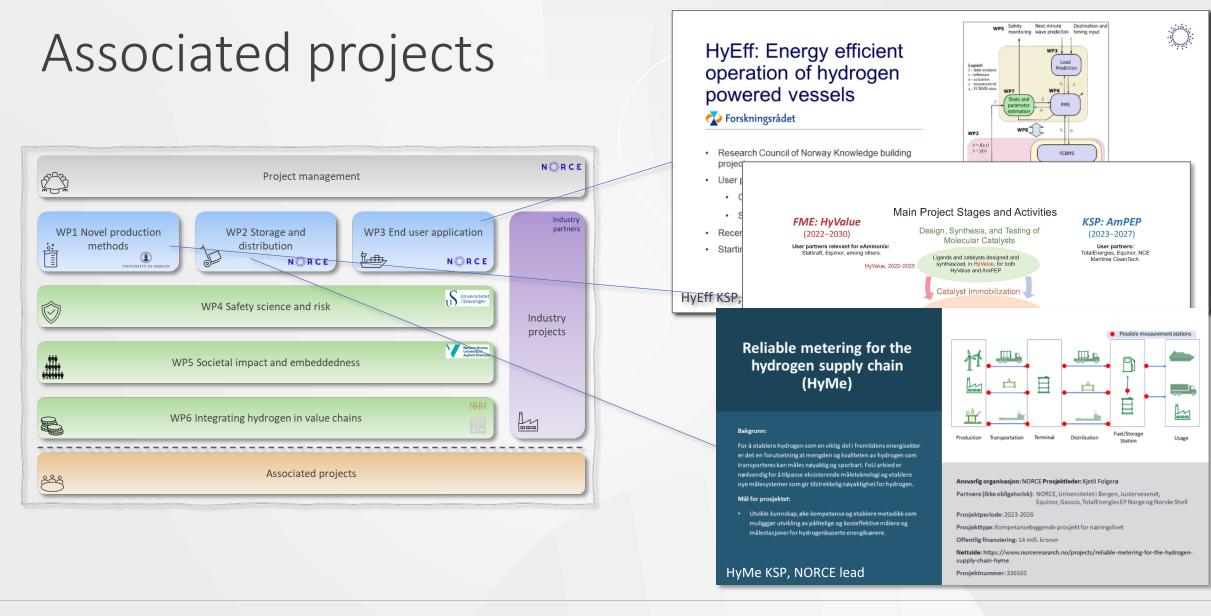


Business models in the hydrogen

value chains









The Research Council of Norway

#### S HyValue

### Student collaboration and continuing education









## HyValue

Through research and development in hydrogen-based energy carriers help enable a zero-emission energy economy by 2050.









# Thank you

www.hyvalue.no





# **HYDROGEN**

Norwegian research and innovation centre for hydrogen and ammonia

**Short presentation** 

# **About HYDROGENi**

UNIVERSITETET 1 OSLO

- A Norwegian Centre for Environment-friendly Energy Research (FME)
- **8 years** (5 + 3 years) (*Kick-off: 5 October 2022*)
- Budget: ~530 MNOK (~53 M€), 200 MNOK from RCN
- National and international partners
- Support from >25 leading universities around the globe

**()** SINTEF

• 37 PhD/postdoctoral fellowships

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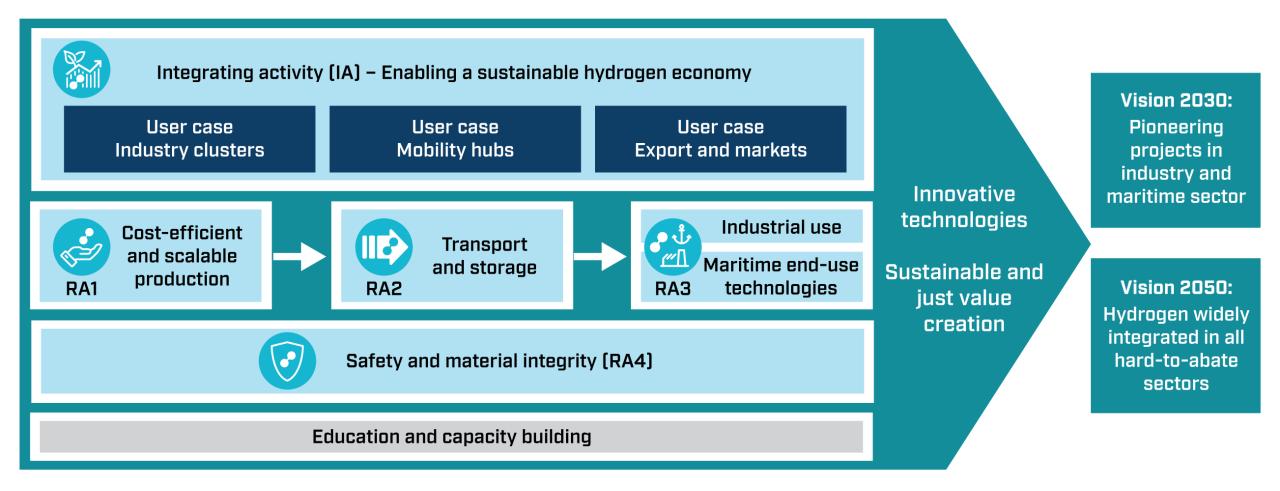








# FME HYDROGENi – Hydrogen for net zero by 2050



UNIVERSITETET 1 OSLO Institute for Energy Technolog

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SINTEF

🖸 NTNU



**UIT** Norges arktiske universitet

# For inquiries / contact-details

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