

Hydrogen Valley's and HEAVENN

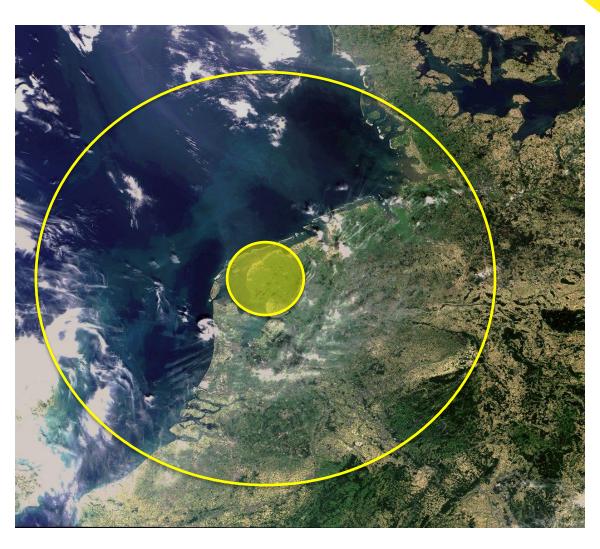
Power to the molecules

Patrick Cnubben

New Energy Coalition

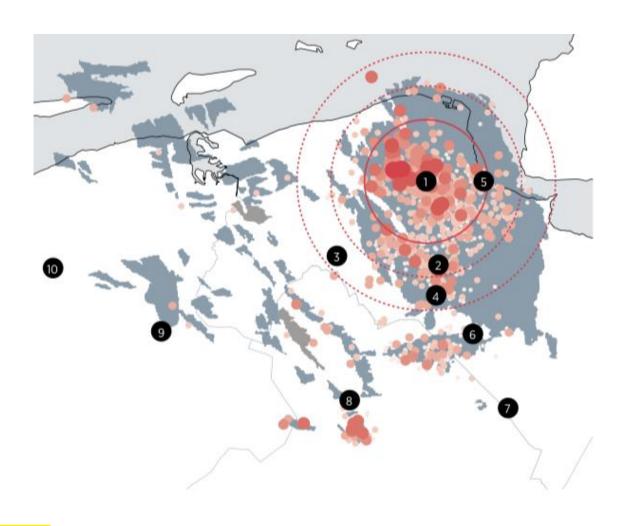
Where are we located?





Situation in the Northern Netherlands

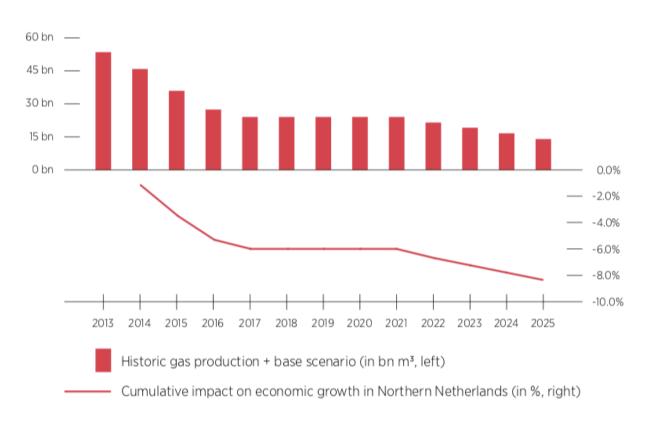




Situation in the Northern Netherlands



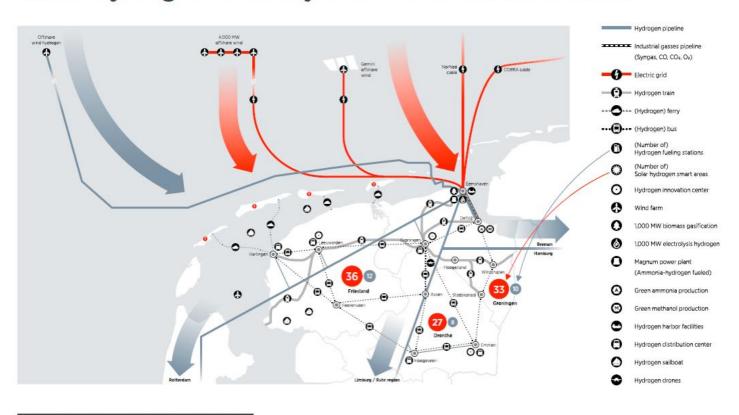
Gas production and cumulative economic impact - baseline



A region needs a business H2 fits as a glove!



Green Hydrogen Economy in the Northern Netherlands



Green Hydrogen Economy in the Northern Netherlands

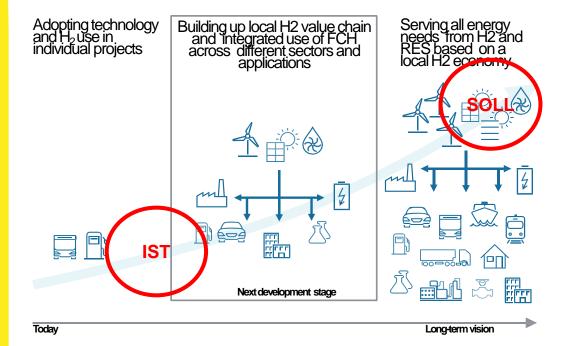
We have a plan



Green Hydrogen Economy in the Northern Netherlands

Becoming a Integrated Hydrogen Economy





- By linking individual projects and developing local H₂ infrastructure, establishing H₂
 Valleys represents the next development stage towards a local H₂ economy in the long term
- H₂ Valleys should establish local H₂ nuclei or from which further roll-out and uptake of local H₂ use can be started
- Implementing H₂ Valleys should be part of a clear local strategy to start a long-term green energy transition and be backed up by respective political commitment

HEAVENN



The consortium

- Stichting Energy Valley, part of New Energy Coalition
- 29 entities from 7 EU countries (NL, D, DK, B, UK, ES and E)
- Parties from business: large, mid-sized and SME, associations, knowledge institutions, expert advisories, regional development institutions

Broad national and international support

- Over 60 parties from over 12 countries have given their support to the project via the means of a Letter of Support
- The project also can rely on broad political support covering the whole political spectrum – nationally and EU level

HEAVENN





















`Gemeente

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EMEC HYDROGEN



















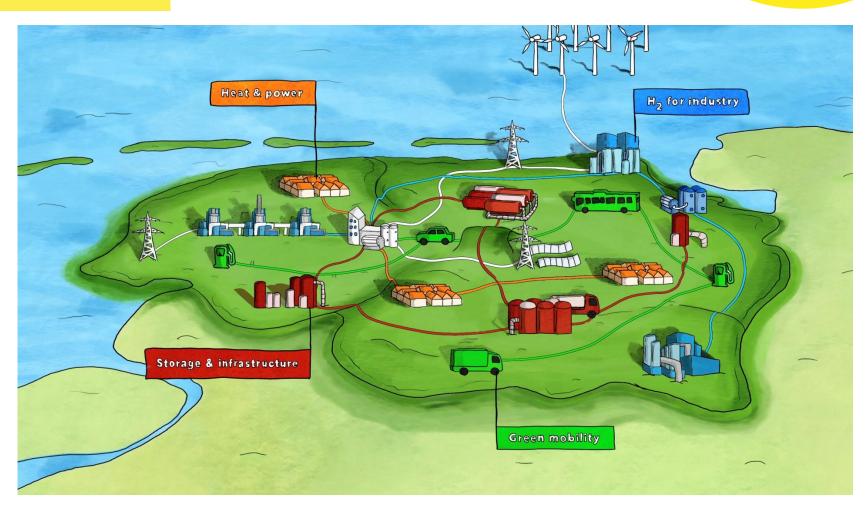






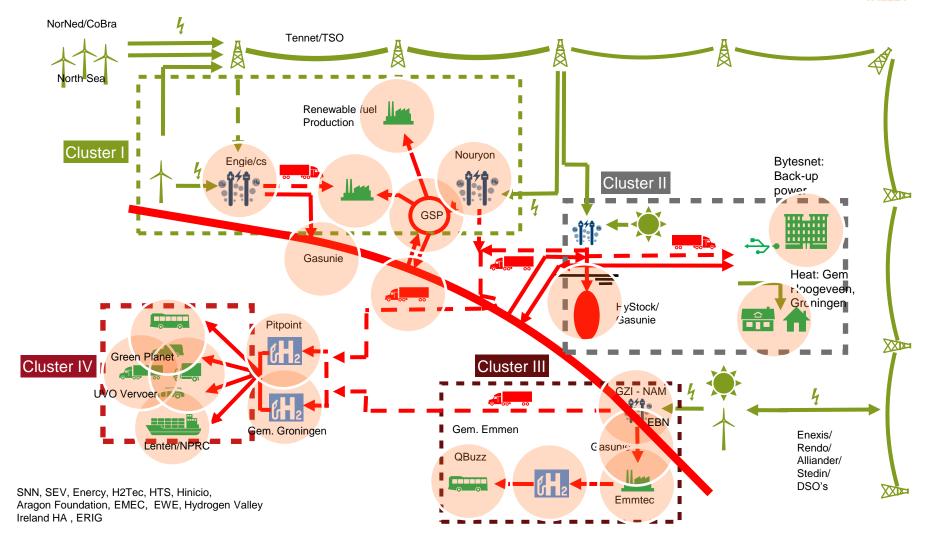






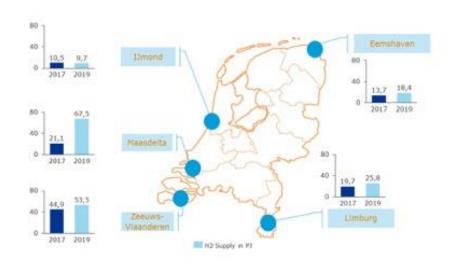
HEAVENN



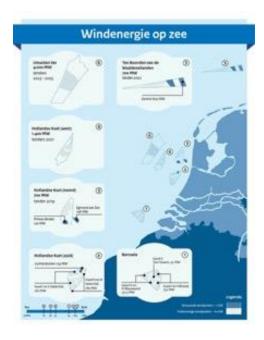


Drivers for Clean Hydrogen





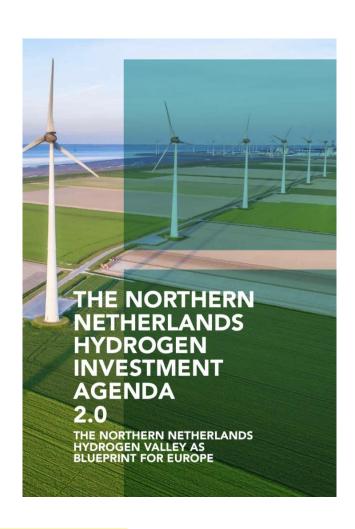
Grey Hydrogen: 175 PJ per year (based on natural gas conversion)



Offshore wind: Huge potential, 11.5 GW in 2030 even more than 40 GW possible

Hydrogen Investment Plan 2.0







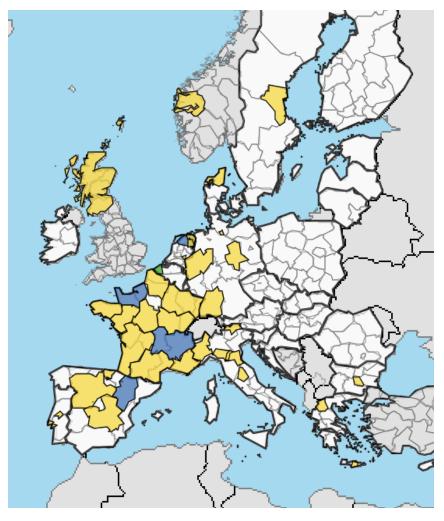
EU backbone development





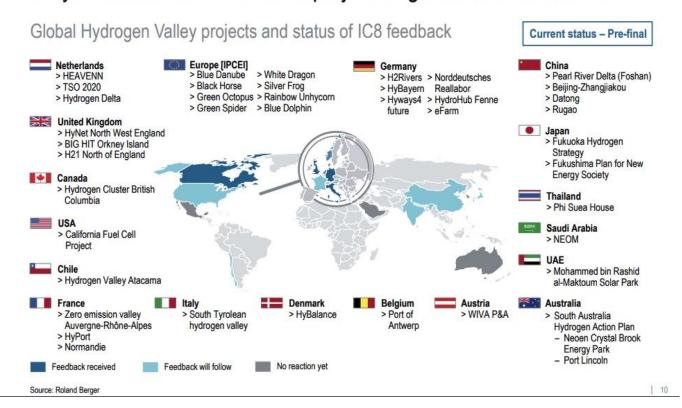
European Hydrogen Valley's Platform





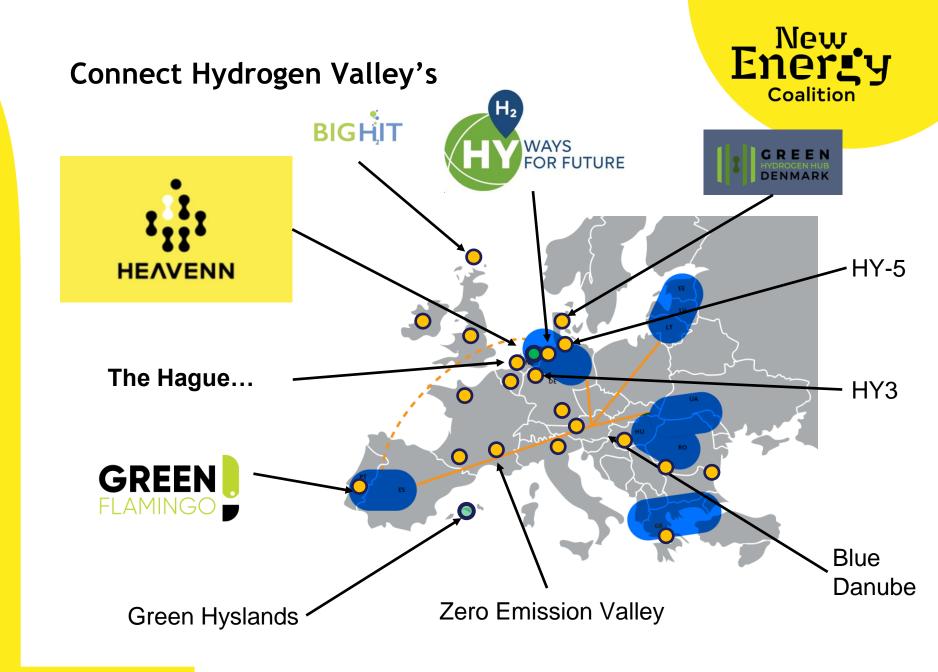
Mission Innovation Hydrogen Valley Platform

We have gathered the first comprehensive overview of H2Vs globally and identified 40 relevant projects together with IC8 members









Join us in Heavenn and Hydrogen Valley's with NEC!



Patrick Cnubben

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