

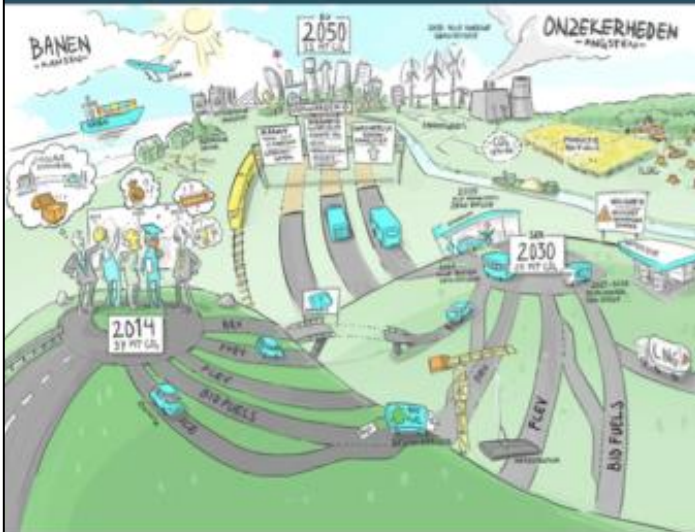
# TSO2020 Closing Event



## Sustainable fuels strategy 2014

Een duurzame brandstofvisie met LEF

*De belangrijkste uitkomsten uit het  
SER-visietraject naar een duurzame brandstoffenmix in  
Nederland*



## Sustainable fuel strategy

- first sustainable fuel strategy for mobility 2014
  - hydrogen possible option for decarbonizing transport
  - full hydrogen value chain,
  - from grey to green hydrogen,
  - electrons needed for green hydrogen,
- Integration of transport and energy policies
- link between decarbonizing
  - transport and
  - the electricity and gas sectors

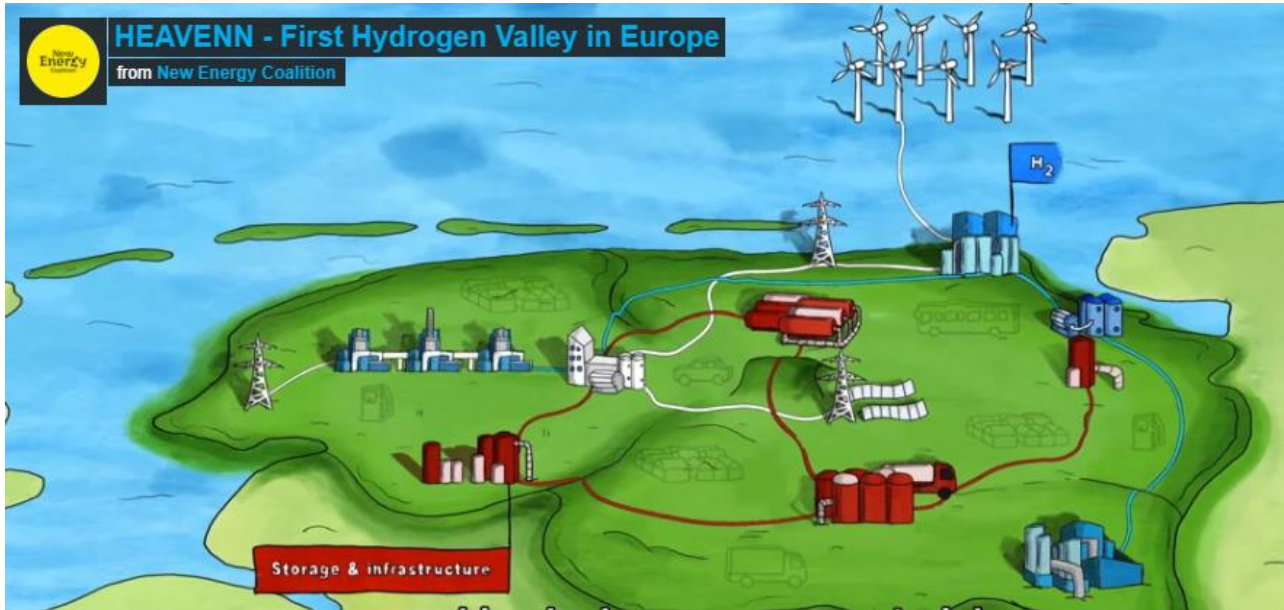
## Synergy call

- Commission's initiative in CEF - the Synergy call
- concrete opportunity for first living labs
  - hydrogen (Netherlands)
  - batteries (Austria)
- new interdependencies between electrons, molecules and mobility.
- sparked cross-sectoral collaboration needed
  - for the Paris Climate Agreement,
  - the Greenddeal and various new European strategies
  - upcoming Fit For 55 package



### **Northern region Netherlands**

- project proposal TSO2020,
- funded by Synergy
- co funded by Ministry IenW
- with the ministry of Economic affairs and Climate



## From fossil to green hydrogen

- a major transition,
- Synergy contributed largely to the transition
- Resulted in projects like HEAVENN (first European Hydrogen Valley).

## Synergy created HEAVENN

- Synergy created circumstances and environment for HEAVENN co-funded FCH-JU
- Teaming up with neighboring German regions
- Concept of Hydrogen Valley's continued
- The right way to move forward



## Learning by doing.

- Integrated full value chains.
- Actions that contribute to the bigger context.
- Scaling up, tera-watt facilities, hydrogen back-bones
- Importing green hydrogen and exporting

New issues will come up;

- technical implications
- new business cases
- public acceptance?
- safety and regulations
- from pilots to scale-ups
- new market opportunities?

Many of these issues have been raised in European projects like TSO2020 and HEAVENN.



## What is next?

- large-scale introduction of hydrogen
- Europe ambitious targets for CO2
- Fit for 55 package,
- National Hydrogen Programme.
- Actionplan for hydrogen in mobility

## What we need is:

- a clear legal framework,
- certification for Green Hydrogen
- hydrogen under the AFID.
- financial instruments
- More Synergy



Synergy bringing worlds together,  
a unique partnership!



Co-financed by the European Union  
Connecting Europe Facility

# Thank you for participating!