

**HyWays**  
**A European Hydrogen Roadmap Project**

**An Introduction**

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on behalf of the HyWays partners

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HyWays General Assembly Meeting, Florence

- **Goal:** Development of a harmonised European Hydrogen Roadmap and Action Plan
- **Participation:** HyWays partners and relevant other stakeholders from industry, research and politics via workshops in each of the 10 participating countries
- **Discussions:** facilitated through standard procedure comprising
  - Vision building (2050, backcasting)
  - Country profiling
  - Modelling of hydrogen energy chains, energy markets, socio-economic and employment effects and policy measures
  - Actor analysis to identify the implications for stakeholders and necessary actions
  - Infrastructure analysis (hydrogen demand allocation and supply infrastructure build-up by forecasting)
  - Benefit assessment

# Geographical representation of countries

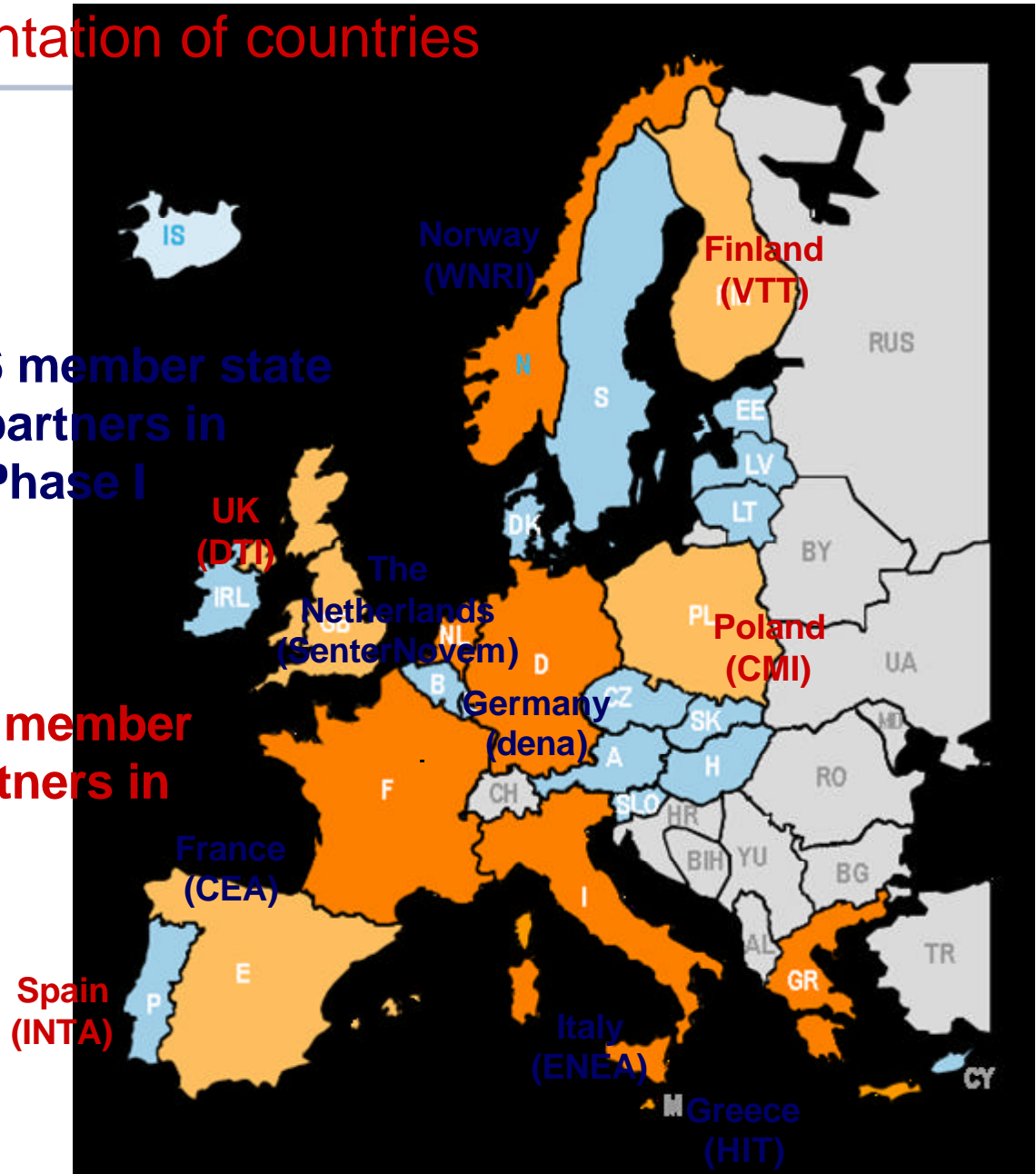
	Coverage [%] by	
	land area	population
Phase I	49,7	39,2
Phase I+II	80,5	71,4

**6 member state partners in Phase I**

**4 further member state partners in Phase II**

## TIME HORIZON

2010 / 2020 / 2030 / 2050



# Project partners

# HyWays

## Industry



## Member states



## SenterNovem



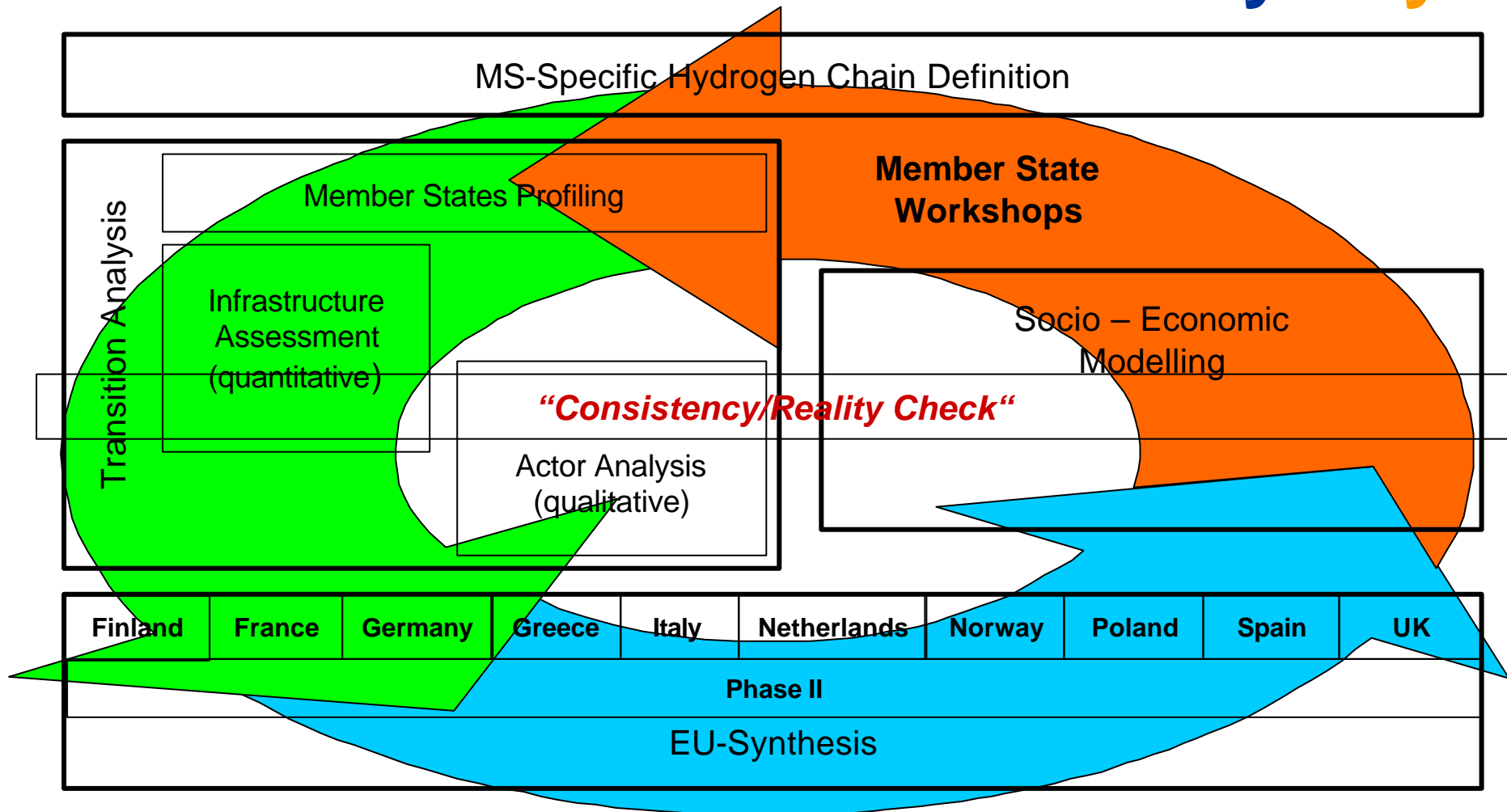
## Institutes



[www.HyWays.de](http://www.HyWays.de)

APR 04 - MAR 07 in 2 phases of 18 months each; 7.9 M€ budget and 4 M€ EU funding

# Basic approach - Tasks and their cohesion



- Stipulation of individual countries in Europe to develop detailed **country specific hydrogen roadmaps** (e.g. HyFrance, NorWays, GermanHy)
- Development of a **common European hydrogen policy spirit** and mutual understanding of the regional differences at working level (hydrogen sources, infrastructures and end-use)
- Development of a **standardised analysis process** to also join in less active hydrogen countries (e.g. Eastern Europe)
- Identification of **common technologies, infrastructures and end-use markets** to exploit economic efficiencies
- Analysis of **socio-economic effects** of introducing hydrogen energy/fuel on GDP, labor market and industry branches
- Identification of **policy measures** to mitigate introduction barriers