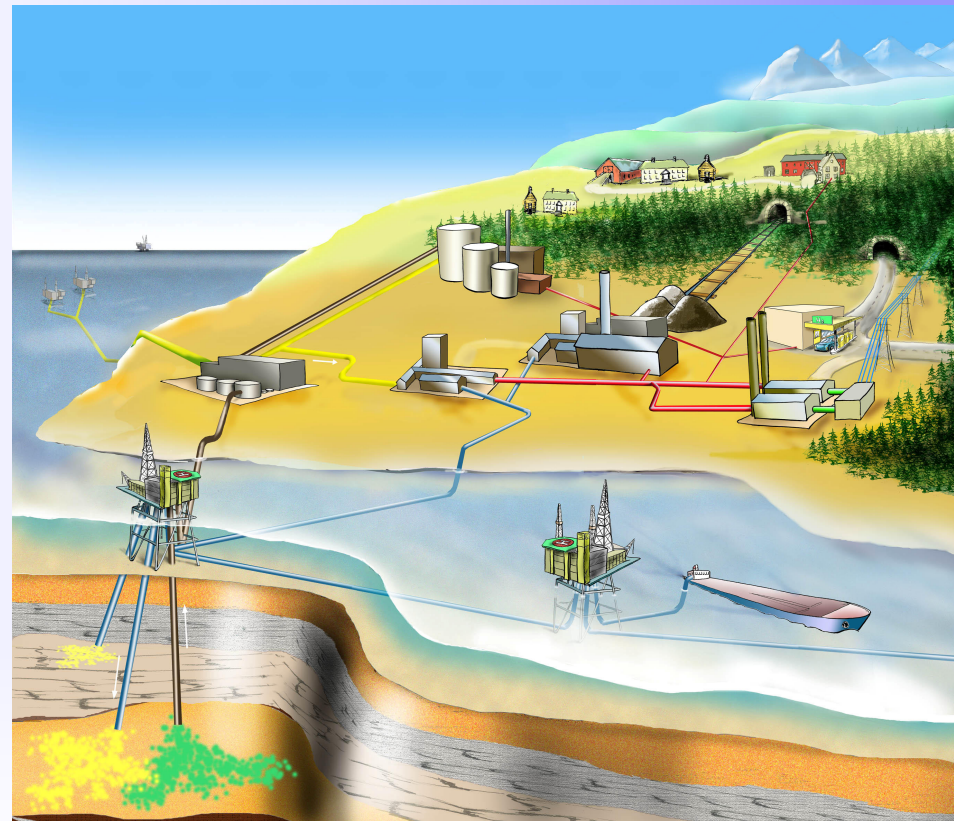


# Introduction to DYNAMIS

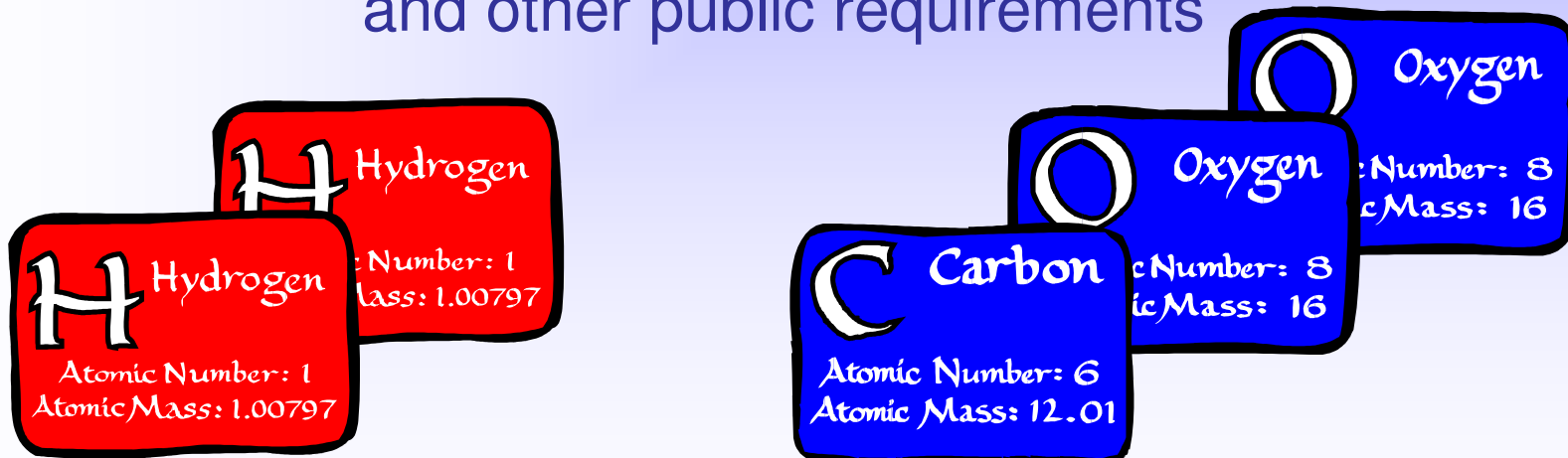
FP6 CO<sub>2</sub> Project Workshop Lyon, 22-24 January 2008

Nils A. Røkke – Co-ordinator - SINTEF



# DYNAMIS in Short

- Key words for DYNAMIS
  - Decarbonised power production
  - H<sub>2</sub> separation and production
  - Novel power cycles
  - Safe storage of CO<sub>2</sub>
  - Societal anchorage including judicial, funding and other public requirements



# EU - DYNAMIS/HYPOGEN overall timeline & budget

- Phase 0 Feasibility Study by JRC (2004)
- Phase 1 Measures within FP6, DYNAMIS (2006-2008) 7.5 M€
- Phase 2 Pilot Scale Demonstrations (2008-2010) 290 M€
- Phase 3 Demonstration Plant Construction (2008 – 2012) 800 M€
- Phase 4 Operation and validation (2012-2015) 200 M€

**SUM**

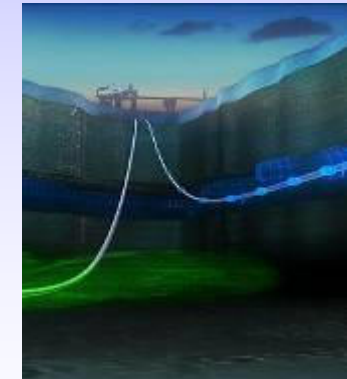
**~1300 M€**



Pic. Siemens



Pic. Vattenfall




Ill. Statoil

# Consortium - 32 partners from 12 countries

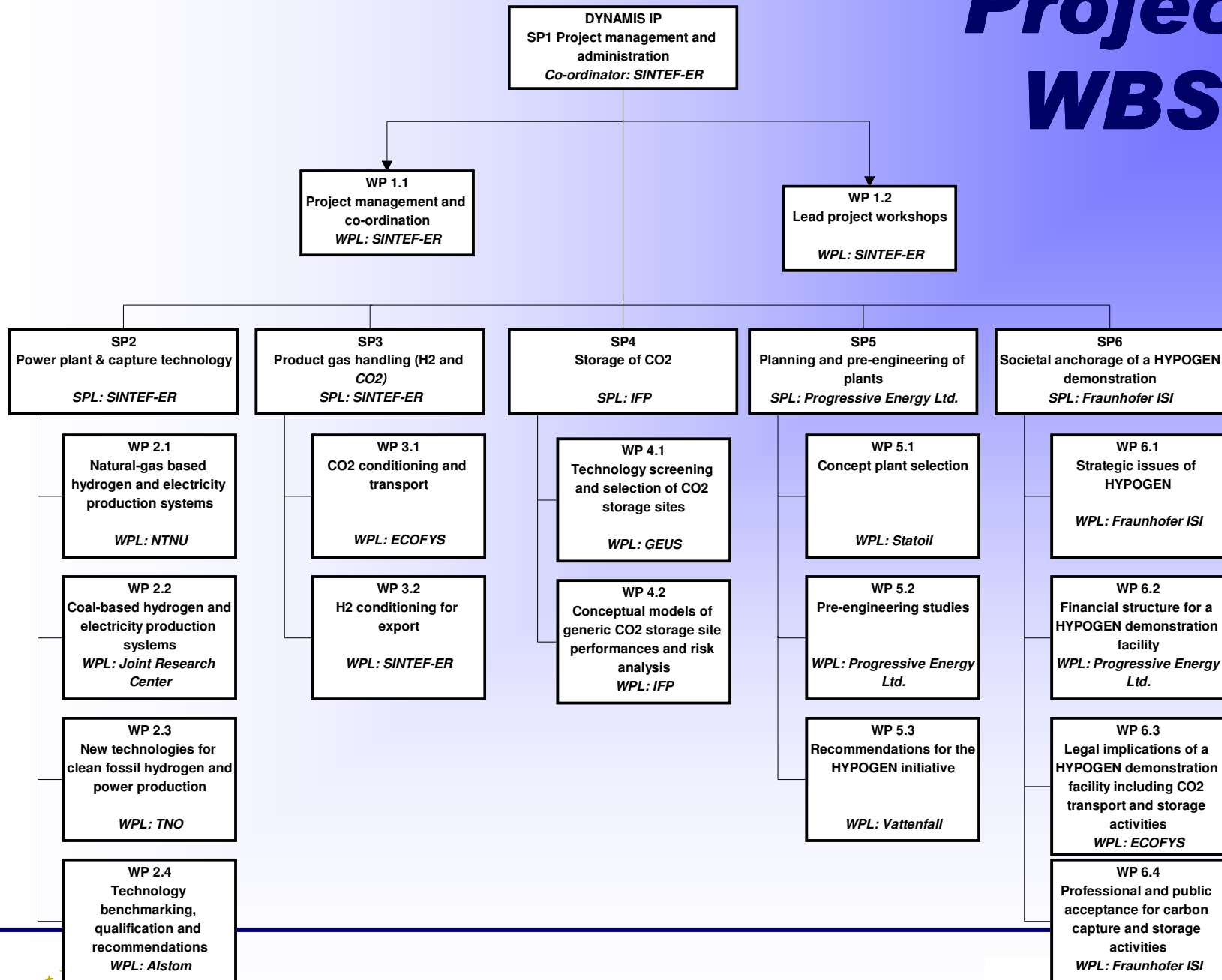
## **Co-ordinator:**

 SINTEF Energy Research

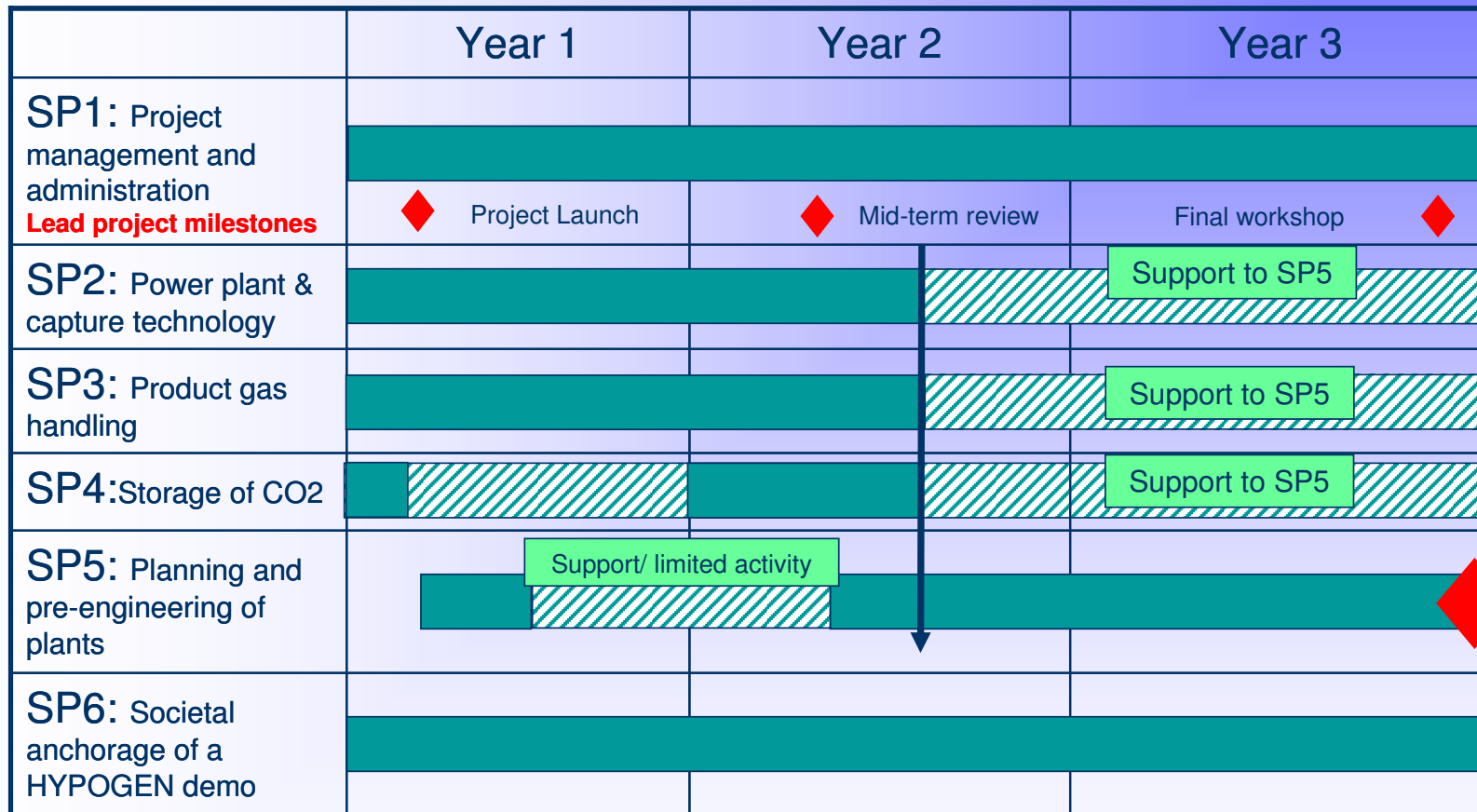
## **Partners:**

-  ALSTOM (Schweiz) AG
-  ALSTOM Power Centrales
-  ALSTOM Power Environment ECS France
-  BP International Ltd
-  Bundesanstalt für Geowissenschaften und Rohstoffe
-  E.ON UK plc
-  Ecophys b.v.
-  ENDESA Generación S.A.
-  ENEL Produzione S.p.a.
-  Etudes et Productions Schlumberger
-  European Commission - DG JRC – Institute for Energy
-  Fraunhofer Institute for Systems and Innovation Research
-  Geological survey of Denmark and Greenland
-  IEA Greenhouse Gas R&D Programme
-  Institut Français du Pétrole
-  L'AIR LIQUIDE
-  Natural Environment Research Council (British Geological Survey)
-  Netherlands Organisation for applied Scientific Research (TNO)
-  Norsk Hydro ASA
-  Norwegian University of Science and Technology
-  Progressive Energy Ltd
-  Siemens Aktiengesellschaft
-  SINTEF
-  SINTEF Energy Research
-  SINTEF Petroleumsforskning AS
-  Société Générale London Branch
-  Statoil
-  Store Norske Spitsbergen Kulkompani AS
-  Technical University of Sofia
-  Vattenfall AB
-  Vattenfall Research and Development AB
-  Shell Hydrogen BV

# Project WBS



# Overall Project Schedule



# DYNAMIS today

- In the second phase
- Passed the critical mid-term review and screening of potential sites
- 4 sites selected for more in-depth studies
- Now working on real projects
  
- Curious and interested ?- more to follow tomorrow 😊