

The European Technology Platform for Zero Emission Fossil Fuel Power Plants (ZEP)

It's mission:

***-To enable European fossil fuel power plants to have
zero CO₂ emissions by 2020.***



EU Technology Platform ZEP

(Zero Emission Fossil Fuel Power Plants)

Siemens

Alstom

Mitsui Babcock

Air Liquide

Schlumberger

BP

Statoil

Shell

Total

ENEL

RWE

E.on

Vattenfall

Endesa

Ansaldo Energia

Foster Wheeler

CMI

Energi E2

IPF

CIRCE

**British Geological
Survey**

**Geological Survey
of Denmark**

WWF

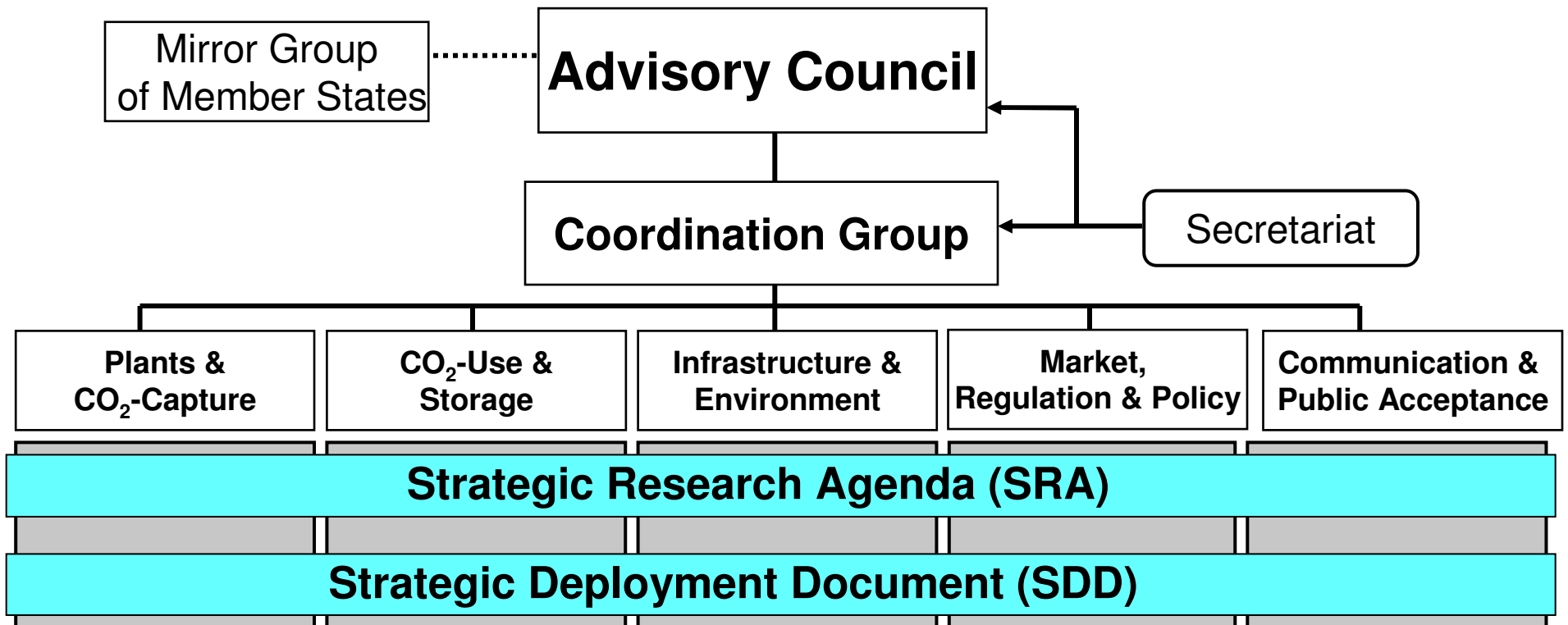
CAN Europe

Bellona



ZEP

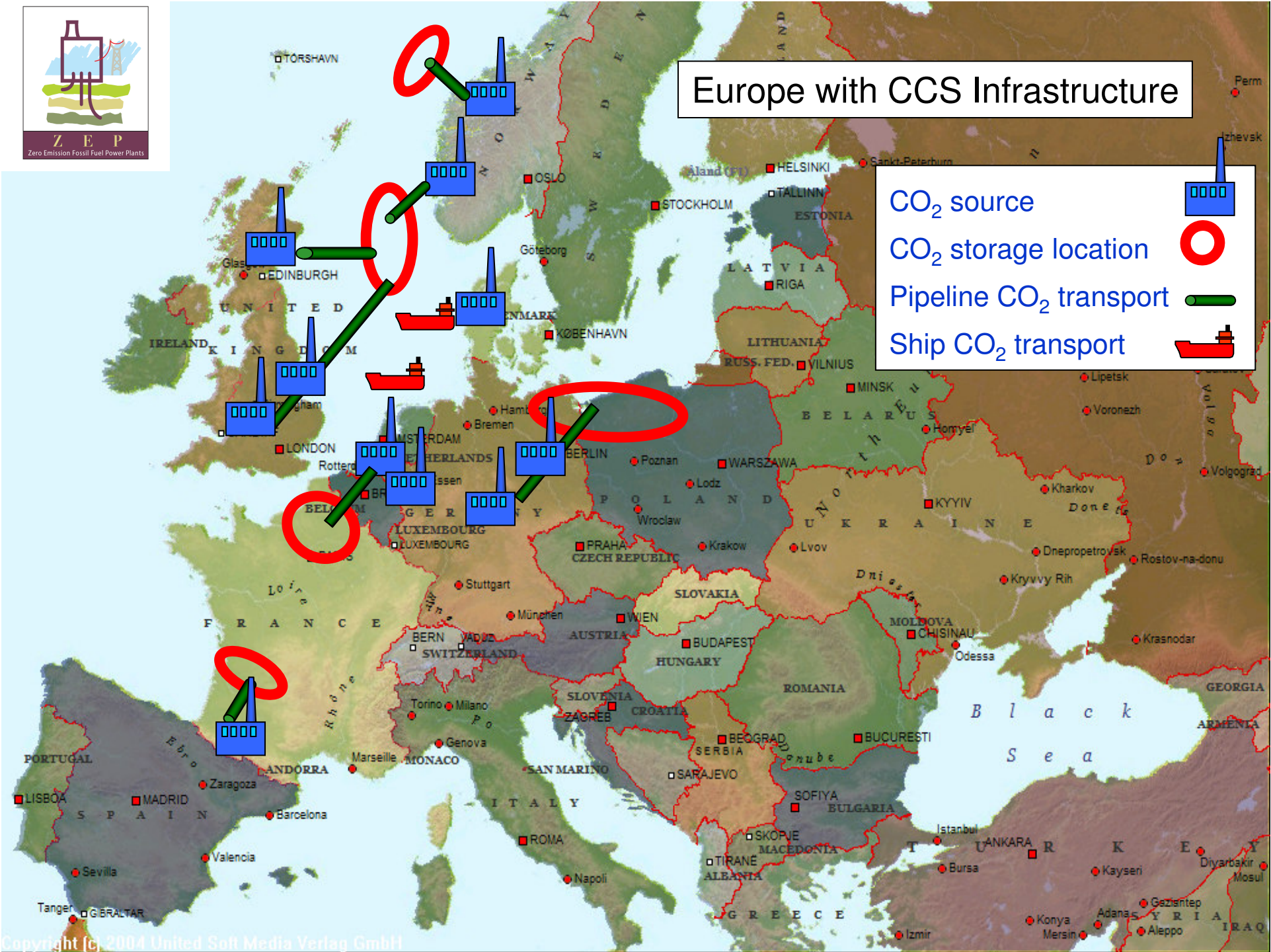
Organisational Structure






Europe with CCS Infrastructure


- CO₂ source 
- CO₂ storage location 
- Pipeline CO₂ transport 
- Ship CO₂ transport 







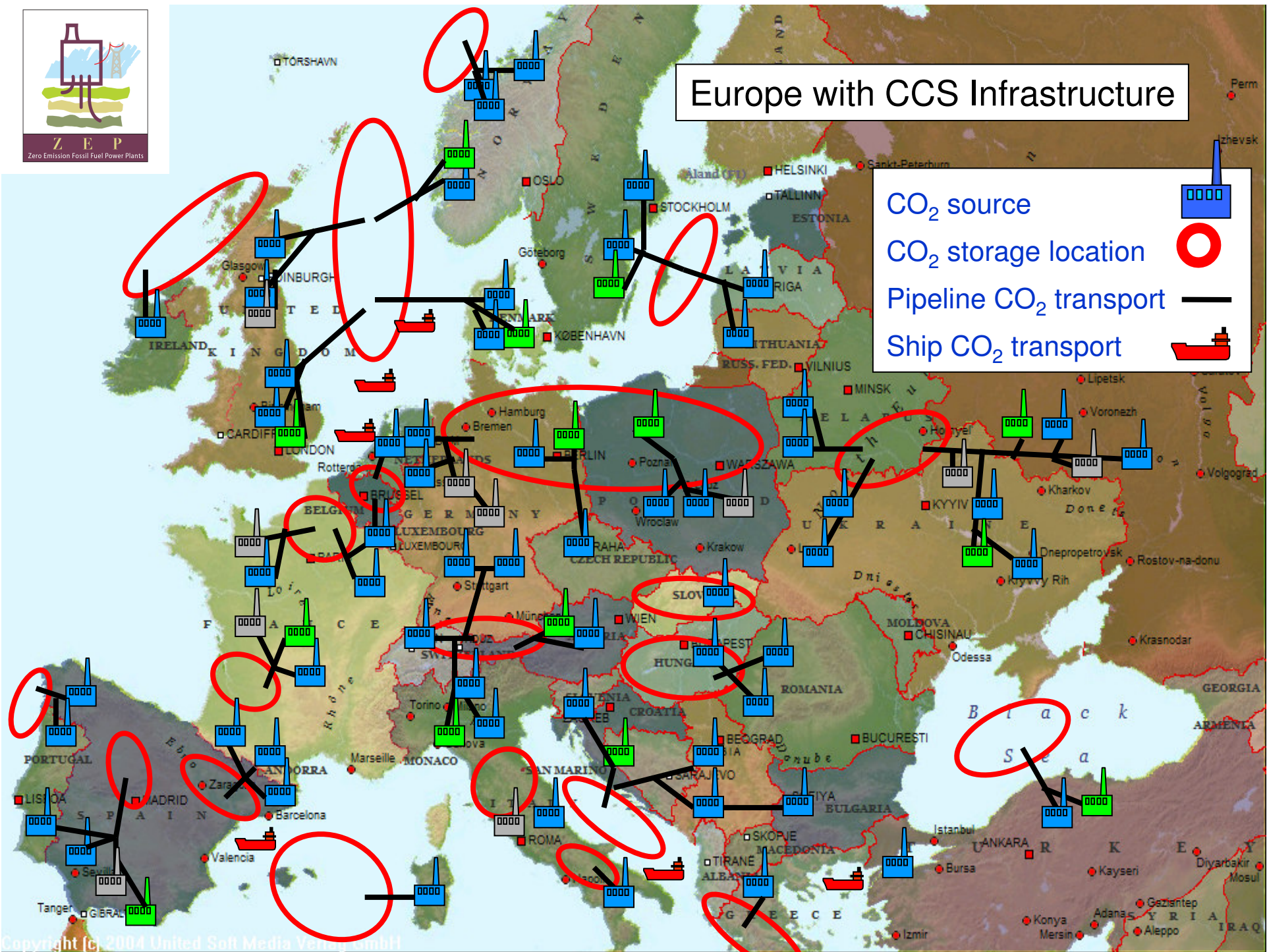
Europe with CCS Infrastructure

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Key Recommendation - I

- Experts agree that CCS is a cost-effective, near-term solution to reducing CO₂ emissions on a **massive** scale
- The **immediate** deployment of CCS is vital if we are to avoid catastrophic consequences of climate change
- Establishing a **regulatory framework** for CCS
- Urgent implementation of **10-12 industrial-scale** demonstration projects



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Key Recommendation - II

- Kick-starting the CO₂ value chain with urgent short- and long-term ***commercial incentives***
 - By 2007, include CCS under the EU Emissions Trading Scheme and other incentive mechanisms
 - By 2007, clarify CCS status under EU guidelines for State Aid
 - By 2008, create an Early Mover Development Fund to support the development of 10-12 large-scale CCS projects which demonstrate a diverse range of infrastructure, technologies, fuels and storage locations
- Gaining ***public support*** via public information campaigns



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The road ahead:

- Comments on SRA and SDD by 25 August 2006
- Final approval of SRA and SDD by ZEP Advisory Council on 6 September
- ZEP General Assembly in Brussels on 12 and 13 September with President of European Commission José Manuel Barroso
- Launch of FP7 in January 2007
- Assessment of research and policy development 2007 – 2013
- Deployment of Zero Emission Technology in fossil power production, industry and oil and gas sector from 2009 and onwards.