

**CSLF Technical Group Meeting
BMWA, Berlin - 27th of September 2005**

***Discussion of Potential Areas for
Enhanced International Cooperation
through CSLF Projects***

**Input from
European Stakeholder Dialogues**

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Geological Survey of
Denmark & Greenland (GEUS)
Ministry of the Environment

Topics for International Cooperation

GEOLOGICAL STORAGE

- Time scales and liabilities
- Leakage: acceptance rates and remedial response
- Technical standards for monitoring and verification
- Capacity assessment standards
- Site selection criteria
- Operational standards & best practices



Topics for International Cooperation

CAPTURE

- Joint capture demos
- Ways to overcome IPR issues
- Staff mobility and exchange

NON-TECHNICAL

- Level playing field for business: as-global-as-possible





EUROPEAN
COMMISSION

Community Research

European actions on Clean Power Generation

Rationale

- ✓ **Boost investment on research and technology development**
- ✓ **Integrate fragmented, private and public efforts (national, European)**
- ✓ **Work together towards a vision shared by all relevant stakeholders, including European society and governments**
- ✓ **Face jointly the challenges and opportunities of international cooperation and competition**

The « Zero Emissions » Technology Platform and FP7 are key elements to address these needs in the months and years to come

Critical Mass European Action

- **EU Clean Fossil Power Initiative**

- Aiming for critical mass programme
- Established European Technology Platform with EC
- Primary task to set technology agenda and deployment plan
- Major input to EC FP7 (2006-2013)

- **ETP “Zero Emission Fossil Power Generation”**

- Advisory Council formed 21 June 2005
- **6 Generators** : EoN, Endesa, ENEL, RWE, Vattenfall, Energie E2
- **6 Equipment suppliers** : Ansaldo, ALSTOM, Air Liquide, Foster Wheeler, Mitsui Babcock, Siemens
- **5 oil/gas companies** : BP, Shell, Statoil, Total, Schlumberger
- **5 Research Institutes**: GEUS, IFP, BGS, CIRCE
- **3 NGOs**: Climate Network Europe, Greenpeace, Bellona

To drastically reduce the environmental impact of fossil fuel use, particularly coal, aiming at highly efficient power generation plants with near zero emissions. This will include CO2 capture and storage, as well as clean conversion technologies leading to substantial improvement in plant efficiency, reliability and costs.

Chair : Häge/Vattenfall

Vice Chairs : Appert/IFP
Valero/CIRCE
Soothill/ALSTOM
Hill/BP

Overall Positioning of EU Zero Emission Technology Platform

CSLF

EC INCA-CO2 : International Links

ETP ZEFFPP

Secretariat

Co-ordination Group

Working Groups

Plant and CO2 Capture

CO2 Use and Storage

Infrastructure and Environment

Market, Regulation and Policy

Public Acceptance

SRA

Research Strategy

Key Actions

Deployment Plan

SDD

General Assembly

EU Mirror Group of Member States

National Strategies in EU context

EC FENCO Initiative

EU Network CO2NET

Engagement and exchange

All Stakeholders