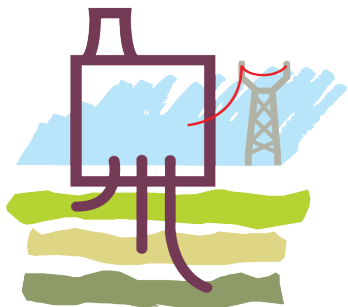


Z E P
Technology Platform
Zero Emission Fossil Fuel Power Plants

Update ZEP Task Force on Policy & Regulation

Advisory Council Meeting
Brussels, 14 March 2007

Arve Thorvik



ZEP P&R TF – Members

Thomas Hensel, Vattenfall
Juan Eduardo Vasquez, Endesa
Roberto Asin, Endesa
John Harris, E.on Energie
Markus Becker, RWE AG
Francesco Giorgianni, Enel
Jochen Benz, EnBW
Francois Giger, EdF
Luc van Nuffel, Electrabel

Barrie Murray, Electricity Market Services Ltd.
Helena Nosei Canavesi, Union Fenosa SA

Andreas Poullikkas, Electricity Authority of Cyprus

Helen Groenenberg, ECN
Tim Dixon, AEA Energy & Environment

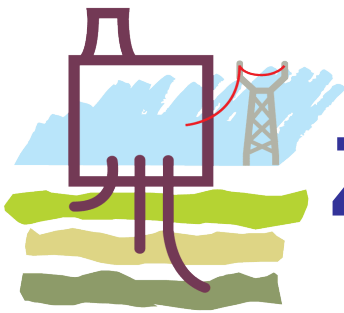
Erik Lysen, Utrecht Centre for Energy Research
Anuska Bole, Electric Power Research Institute
Robert Pentel, BRGM
Trygve Riis, RCN Norway (ZEP Mirror Group)
(Observer)

Wolf Heidug, Shell
Simon Worthington, BP
Arve Thorvik, Statoil
Susan Russell, Chevron

Claude Roulet, Schlumberger Carbon Services
Emilio Rodriguez-Izquierdo, Abengoa
Markus Wolf, Alstom Power
Gerd Janson, MAN TURBO AG
Maxime Bureau, GE
Tim Peters, GE
James Logan, Rolls Royce
Pietro di Zanno, Air Liquide

Mark Johnston, Greenpeace (Observer)
Paal Frisvold, Bellona Europa

Roland Schulze, European Investment Bank
Scott Brockett, DG ENV (Observer)
Thomas Schneider, DG TREN (Observer)
Maria Segura Catalan, ESA (Observer)



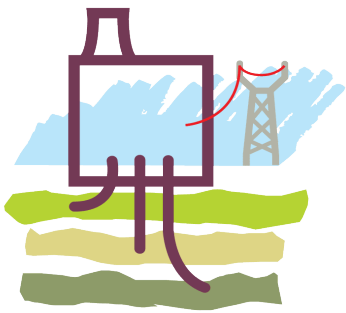
ZEP P&R TF – External Drivers

- **Global Processes:**

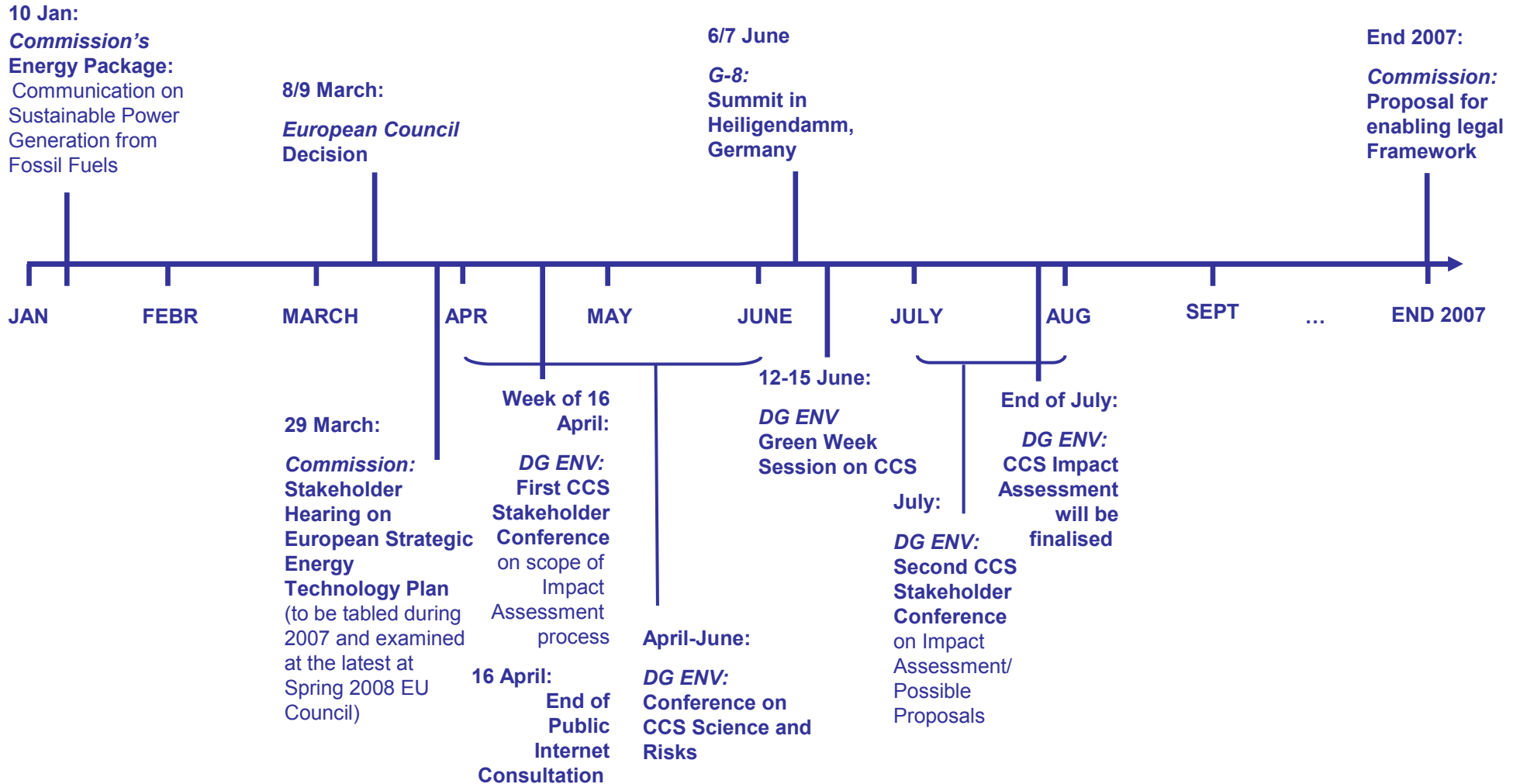
- Post-Kyoto discussions and IPCC
- EU Cooperation with China
- Political changes in the US

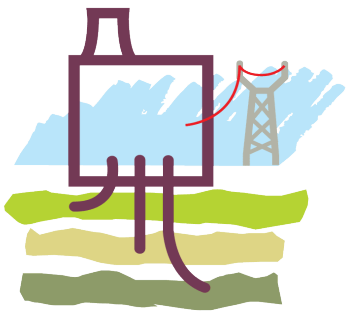
- **European Processes:**

- Regulatory Changes
- ZEP Flagship Programme
- Public discussions after IPCC Report
- Follow-up Spring Council Conclusions



ZEP P&R TF – Relevant Dates

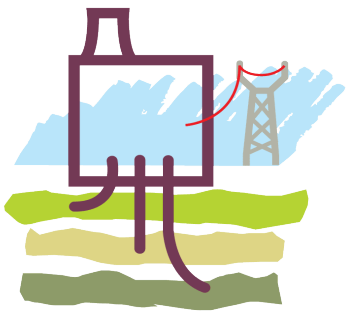




ZEP P&R TF – Working Areas

Main issues:

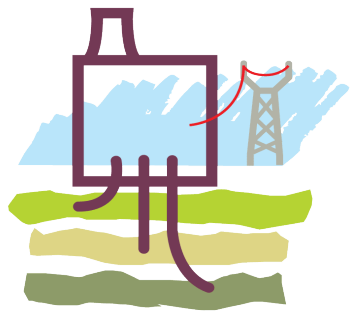
- Risks
- Legislative barriers and Regulatory Framework
- Market Mechanisms
- Financial Incentives
- Other regions: US, China



ZEP P&R TF – Target Groups

Cooperation with other institutions/partners:

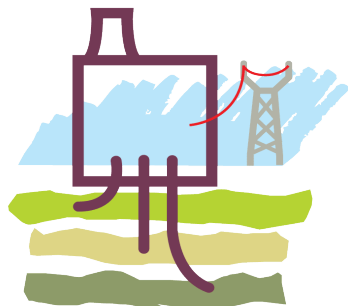
- **External:**
 - Member States
 - Mirror Group
- **Brussels institutions:**
 - DG ENV
 - DG COMP
 - DG TREN
 - European Parliament
- **Internal:**
 - Advisory Council
 - Coordination Group
 - ZEP Task Force on Technology
 - ZEP Task Force on Communication
 - ZEP Task Force on Demo and Implementation



ZEP P&R TF – 1st Meeting

First Meeting of the P&R Task Force on 1 March 2007

- 28 **participants** from industry, NGOs, European Commission, Efta Surveillance Agency, European Investment Bank, ZEP Mirror Group
- **Presentations** by DG ENV and DG TREN on work currently done by the Commission on advancing deployment of CCS technology
- Set-up of **five sub-groups**:
 - Sub-group 1: **Managing the risks**
 - Sub-group 2: **Removing the legislative barriers and regulating CCS**
 - Sub-group 3: **Making the market mechanisms and business models work**
 - Sub-group 4: **Providing the financial incentives**
 - Sub-group 5: **Cooperating with other regions (US, China, (India))**
- Set-up of focal points for **coordination with other institutions/partners**



ZEP P&R TF – Sub-groups

ZEP Task Force Policy and Regulation

SUB-GROUP 1

Managing the risks

Members:

Claude Roulet
(Coordinator)
Tim Dixon

SUB-GROUP 2

Removing the legislative barriers & regulating CCS

Members:

Thomas Hensel
(Coordinator)
Robert Pentel
John Harris
Markus Becker
Scott Brockett, DG ENV
(Observer)

SUB-GROUP 3

Making the markets & business models work

Members:

Helen Groenenberg
(Coordinator 1st meeting)
Emilio
Rodriguez-Izquierdo
Barrie Murray
Luc van Nuffel
Francesco Giorgianni
Anuska Bole
Markus Wolf
Roberto Asin

SUB-GROUP 4

Providing the financial incentives

Members:

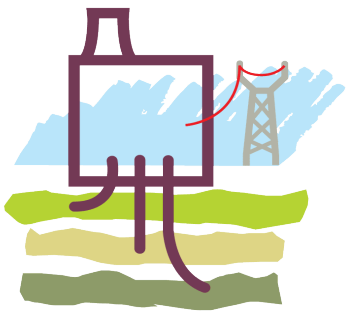
Paal Frisvold (Coordinator)
Roland Schulze
Maxime Bureau
Helena Nosei Canavesi
Luc van Nuffel
Thomas Schneider,
DG TREN and
Maria Segura Catalan, ESA
(Observers)

SUB-GROUP 5

Cooperating with other regions (US, China, (India))

Members:

Simon Worthington
and Markus Becker
(Coordinators)
Susan Russell
Francois Giger
Pietro di Zanno
Maxime Bureau
James Logan
Claude Roulet
Erik Lysen
Hans-A. Frisak



ZEP P&R TF – Next Meetings

**Dates set for next meetings
of the P&R Task Force:**

19 April 2007 in Brussels

7 June 2007 in Paris