

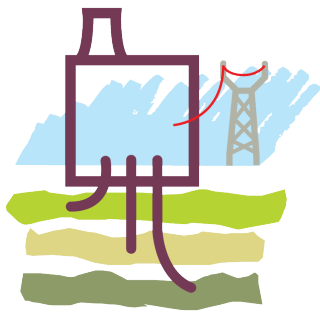
Z E P

Technology Platform
Zero Emission Fossil Fuel Power Plants

Taskforce Technology Status and Action Plan

Lars Strömberg, Dirk Goldschmidt,
Niels Peter Christensen

Brussels, 14th of March 2007



The Task Force Terms of Reference

2. Organize R&D

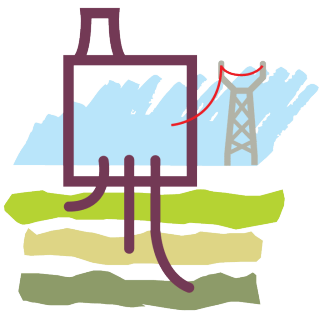
1. Map R&D needs and R&D landscape. Identify and specify the gaps and priorities
2. Induce a higher level of activities & expertise from the R&D side
3. Improve coordination between national programmes and FP7
4. Maintain SRA & Working Group papers, possibly through a technology assessment group

3. Ensure public funding

1. By mapping the need for additional finance for R&D
2. Through public bodies (EC member states, jointly with task force Policy & Regulation)
3. By initiating public-private-partnerships

4. Network and disseminate

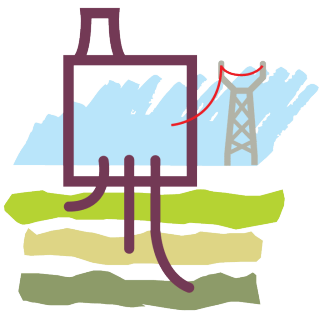
1. Organize technical days aimed at networking researchers and industry



TTech Action Plan Vision

NB. Provisional; not yet approved by full TTech

“accelerating technology development in order to bring current CO2 capture technologies including very high thermal efficiency, to commercial readiness by 2020; and validating new concepts for implementation beyond this date”



TTech Action Plan Objectives (1)

Short term: until end of April 2007

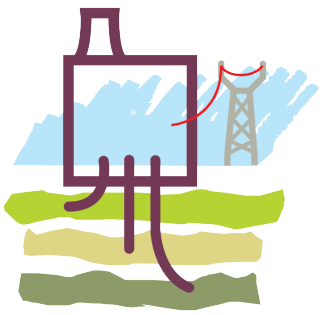
NB. Single focus only in this period due to importance and urgency

3. 1.3 Provide input reflecting the strategies of ZEP for next update of the FP7 CCS Work Programme

Short term: remainder of 2007

NB. Provisional; not yet approved by full TTech

7. 1.4 Improve coordination between national programmes and FP7, and international R&D initiatives
8. 1.5 Maintain SRA & working group papers, e.g. through a technology assessment group
9. 2.1 Map the need for additional finance for R&D

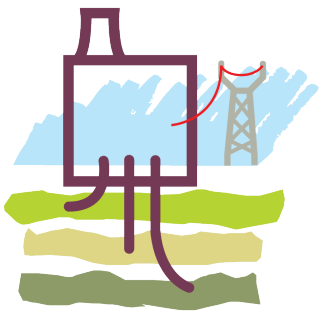


TTech Action Plan Objectives (2)

Long term: > 2007

NB. Provisional; not yet approved by full TTech

3. Map R&D needs & landscape, identifying gaps and priorities
4. “Secure public funding” via public bodies (EC, member states), jointly with Taskforce Policy & Regulation
5. Initiate public-private-partnership(s), e.g. JTI
6. Organise technical days aimed at networking researchers and industry



TTech Action Plan

Activities, action lines

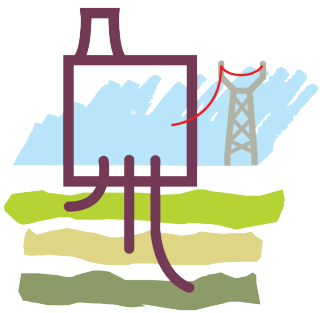
For 1.3, 6 subgroups have been established (some overlap in membership) to provide specific input to overall editor Clas Ekström:

Capture

3. Post combustion capture (lead author: *Halvard Svendsen SINTEF*)
4. Pre combustion capture (Hans Jensen, RWE Power)
5. Oxyfuel combustion (Clas Ekström, Vattenfall R&D)
6. Emerging & New Technologies (John Chamberlain, Unión Fenosa)

Storage

- viii) Aquifers (Isabelle Czernichowski-Lauriol, BRGM)
- ix) Use and transport (Tore Torp, Statoil)

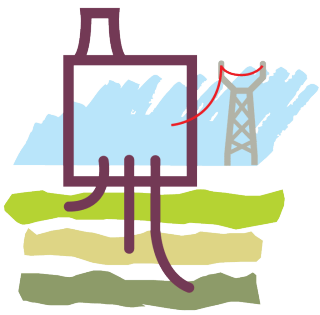


TTech Action Plan

Deliverables, Planning

1.3 Output: ~ 10 page report, updating the SRA and WG1 / WG2 reports, formulating specific topics for the FP7 Energy Work Programme 2008 (*closes early of May*)

- Work starts 23rd February
- 1st draft ready 19th March
- Final draft ready 10th April
- Full Group Meeting 16th April
- Final editing 18th April
- The work shall be ready 30th April
 - Send to AC



The report outline

- The report shall be of the typical size 10 pages
- The report shall not be a new report, but an update of the SRA (Strategic research agenda) and the underlying WG1 and WG2 reports
- The layout and wording of the report shall be such that the Commission can “cut and paste” when writing the work programme for the remaining calls of the FP7