

Overview of the Mission

Philip Sharman

**International Technology
Promoter, DTI**

Context of the Mission

- Increasing interest in CCS worldwide
- UK interest – UKTI Power Sector Advisory Group’s “interest group”, late 2001
- Preparation of UK Energy White Paper (published February 2003)
- DTI Global Watch Mission to USA and Canada, October 2002
- DTI’s Review of the Feasibility of CCS in the UK, 2002-03 (published September 2003)
- The Carbon Sequestration Leadership Forum established, June 2003
- Preparation of UK Implementation Plan of CO₂-EOR (published May 2004)

Aims of the Mission

- Improve awareness in the UK
- Develop collaboration opportunities
- Highlight CCS opportunities in the UK
- Gain better understanding of CCS costs
- Gather information on environmental and risk aspects of CCS

Specific Objectives

- Facilitate new relationships of value
- Help develop the UK's CCS capability
- Expose UK organisations to 'leading edge' thinking and activity

The Mission Team (8)

- APGTF – Nick Otter (Leader)
- DTI-ITP – Philip Sharman
- DTI-CFFU – George Marsh
- Mitsui Babcock – Andy Timms
- ALSTOM Power – Nick Otter
- UK Coal/COALPRO – Brian Ricketts
- The Coal Authority – Kevin Pickup
- BGS – Nick Riley (Lead Academic – Storage)
- Imperial College London – Jon Gibbins (Lead Academic – Capture)

The Mission Team





Mission Visits

- 38 private/public sector organisations in 6 days
- IEA ZETs conference
- ~ 23,000 miles!



First Stop: Perth, WA

- WA State Government – DOIR, Leg. Assembly
- ChevronTexaco
- Woodside Energy and Metasource
- CSIRO Petroleum
- CO2CRC and Innovative Carbon Technologies
- Curtin University of Technology
- Western Australia Museum



Second Stop: Victoria

- Government of Victoria – DPI, Regional Dev.
- APEL
- HRL Developments
- Loy Yang Power
- PowerWorks
- BHP Billiton
- CRC for Clean Fuel from Lignite
- CO2CRC
- CSIRO Petroleum
- University of Melbourne



Third Stop: ACT Canberra

- Australian Government – DITR, Australian Greenhouse Office, Geoscience Australia, DFAT
- APPEA
- Australian Coal Assoc.
- AIP
- CO2CRC
- CRC for Greenhouse Accounting



Final Stop: Queensland

- Queensland Government – DNRM, DSDI
- Stanwell Corporation
- CRC for Coal in Sustainable Development
- CSIRO Energy Technology
- Nanomac
- University of Queensland
- IEA ZETs Conference

Technology Coverage

- CO₂ capture
- CO₂ transportation
- CO₂ storage and use
- CO₂ infrastructure

Issues Coverage

- Policy and initiatives
- International dimension
- Risk, finance and economics
- Legislation, regulation and permitting
- Health, safety and environmental
- Social/public perception
- Research/co-operation



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Global Watch Technology Partnering

A network of 16 technology transfer specialists tasked with finding opportunities for technology-based partnerships between UK clients and organisations in the world's leading R&D investor countries

ITP Coverage

REGIONS

- North America (USA, Canada)
- Asia Pacific (Japan, S Korea, China, Taiwan, Singapore)
- Europe (Germany, France, Switzerland, Scandanavia, Russia)

TECHNOLOGIES

- Sustainable Energy & Environmental Technologies
- Life Sciences
- Information & Communication Technologies
- Performance Engineering



ITP Activities

- Finding contacts
- Information and desk research
- Global Watch missions
- Inward missions
- Trade missions
- Conferences and exhibitions
- Partnering events
- Company profiles - matching

Global Watch Missions

(approx. 30 per year)

- **What?** Short fact-finding visits by teams of UK experts (companies and leading academic) to investigate innovation and its implementation at first hand
- **Why?** Identify and learn from the best practice and technological developments in leading companies overseas
- **How?** Global Watch Service funds travel costs and assists with cost of organisation and dissemination; Co-ordinating body
- **Outputs?** Reports and dissemination
- **Outcomes?** Improved/sustained competitiveness, productivity improvement, process change, international collaboration

Global Watch Secondments (approx. 60 per year)

- **What?** Global company-to-company, outward or inward, 3-12 months, any industrial sector
- **Why?** Transfer a technology, gain new knowledge or bring best practices back to Britain
- **How?** Global Watch Service provides logistical and funding support to SMEs, to support the secondment and the absent secondee, through to dissemination of a written report
- **Outputs?** Reports and dissemination
- **Outcomes?** Knowledge transfer leading to process change, management development and international collaboration



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