

The Intergovernmental Panel on Climate Change

An update on the IPCC Special Report
on
Carbon Dioxide Capture and Storage

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INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)



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About IPCC

Established by WMO and UNEP 1988:

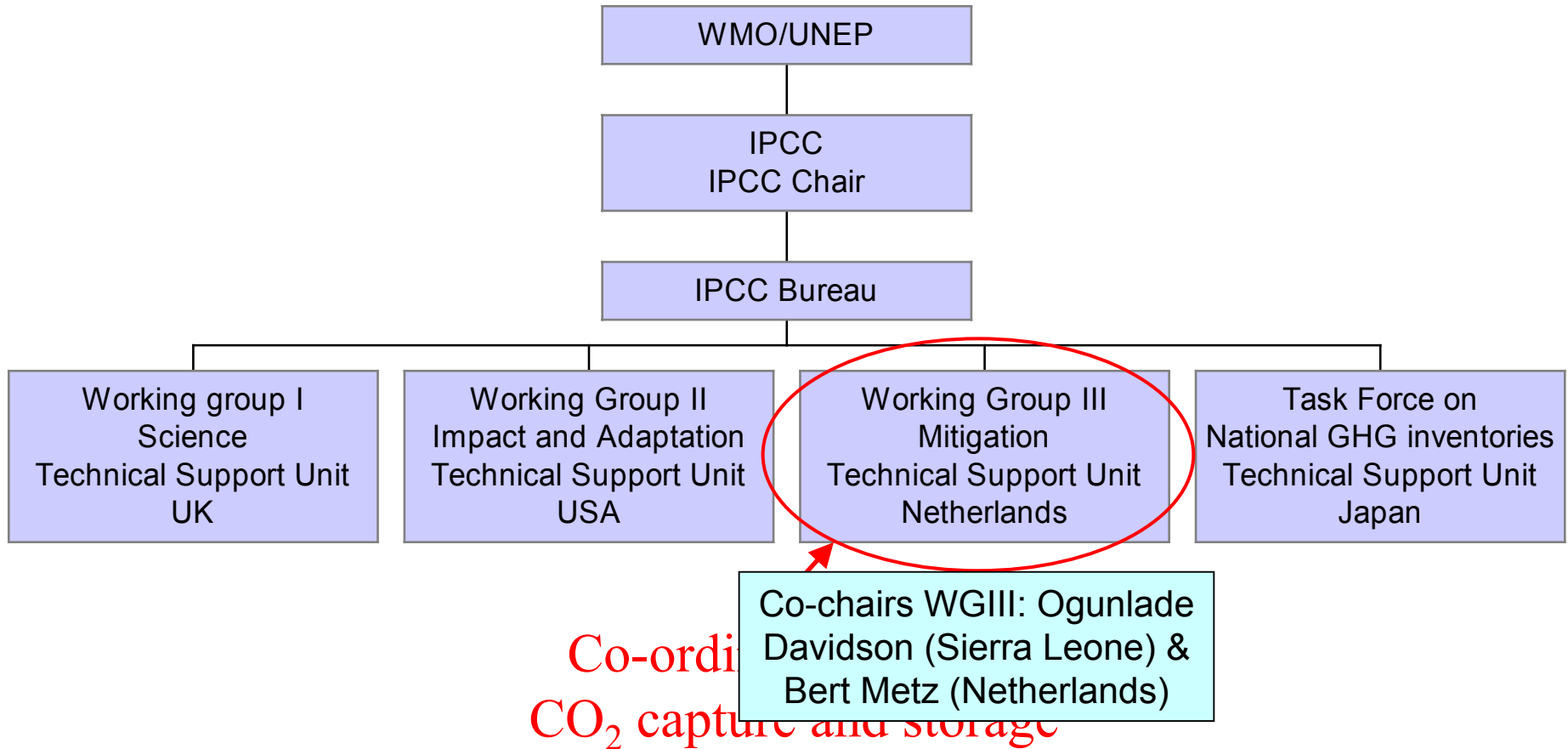
- Assess scientific, technical and socio-economic information on climate change, impacts and options for adaptation and mitigation
- No research, no monitoring, no recommendations; policy relevant but not policy prescriptive
- Publication of reports
- Extensive review processes of its reports
- Support to UNFCCC

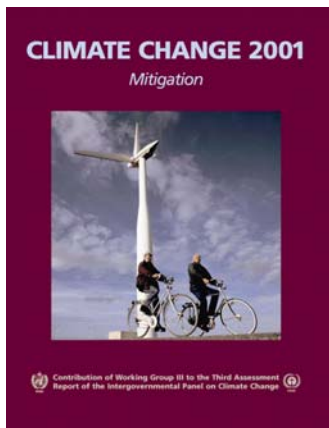


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About IPCC: organisation





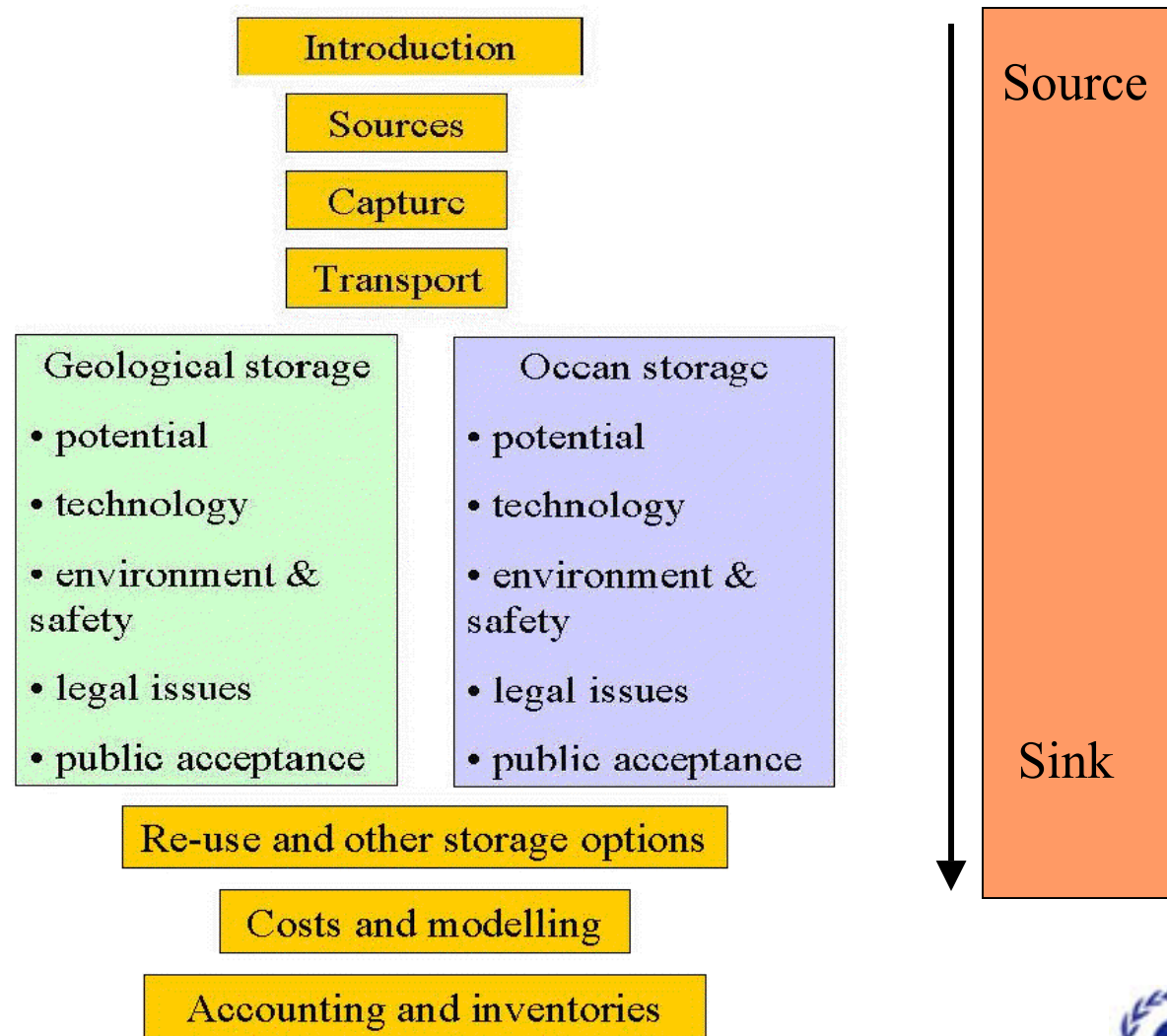
Why are IPCC publications so influential?

- World-wide effort to gather and combine all views and information on climate change
 - Broad involvement of scientists
 - Extensive review process
 - Based on consensus - if no consensus reached, all opinions to be reflected in report
 - Report: owned by authors
 - Summary for Policymakers: owned by governments

A Special Report on CO₂ capture and storage - Why now?

- Only 3 pages in Third Assessment Report
- Relatively new and unknown GHG mitigation option
- Lots of new information available
- CO₂ capture and storage is or will soon be implemented in many countries, e.g. to meet Kyoto obligations
- Inclusion in the Fourth Assessment Report (2007) is too late and too little room for extensive assessment

Contents IPCC Special Report



Contents of IPCC Special Report on CO₂ capture and storage

- Starting point: chain approach
- CO₂ source → capture → transport → storage
- Geological storage, ocean storage, industrial use and mineral fixation – no biological sequestration!
- Context: costs, public acceptance
- Related issues: environmental impacts, safety, emission inventories and accounting

Chapters and crosscutting issues

- Chapters: discuss the chain issues; main writing
- Crosscutting groups: will address consistency and representation of issues that arise in different chapters
 1. Costs
 2. Environmental impacts and safety
 3. Legal issues and public perception
 - (recently added: 4. Storage time and release)

Publication planning SRCCS

- Currently: writing of First Order Draft
- Expert Review and Government Review still to come
- Final literature: end November 2004
- Acceptance of Special Report and approval of Summary for Policymakers: due for end September/half October 2005
- Presentation to UNFCCC at COP-11 (end 2005)



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CSLF and IPCC interaction

- IPCC is independent and of different character than CSLF
- Policy-prescriptive language to be avoided in IPCC – not so in CSLF

But :

- Many authors to IPCC Special Report are same persons or from same institution
- Close relations are obvious



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What can we do for each other?

- IPCC assesses research done by others – organised by organisations such as CSLF and IEA
- IPCC bases its assessments on peer-reviewed literature – stimulate investigators to publish in journals to make the research “referable”
- CSLF could base new research on results, conclusions and gaps in knowledge from IPCC reports
- SRCCS: due for autumn 2005
- Fourth Assessment Report (update on CCS): due for half 2007



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More information?

- IPCC Workshop in Regina: proceedings, detailed Table of Contents, and Scoping paper
- [Please be an Expert Reviewer – register with Heleen de Coninck \(deconinck@ecm.nl\)](#)
- Information on IPCC in general:

www.ipcc.ch