

An Overview of the State of the Carbon Cycle Report (SOCCR)

October 2005

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SOCCR



State of the Carbon Cycle Report

What is SOCCR? State of the Carbon Cycle Report

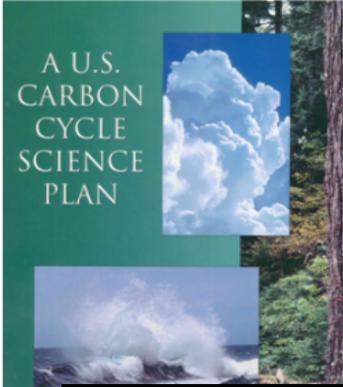
- “... a series of reports on the state of the carbon cycle designed to provide accurate, unbiased, and policy-relevant scientific information concerning the carbon cycle to a broad range of stakeholders.”
 - SOCCR Terms of Reference, U.S. Carbon Cycle Interagency Working Group
- “... a series of increasingly comprehensive and informative reports about the status and trends of carbon emissions and sequestration.”
 - Strategic Plan for the U.S. Climate Change Science Program



What are the goals of the SOCCR?

- To summarize scientific knowledge about carbon cycle properties and changes.
- To provide scientific information for decision support and policy formulation concerning carbon.

U.S. Carbon Cycle Science Plan

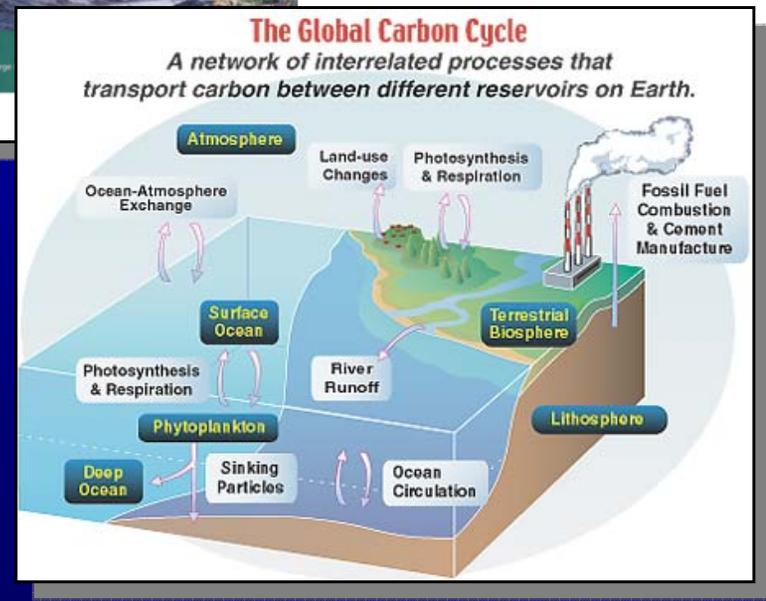
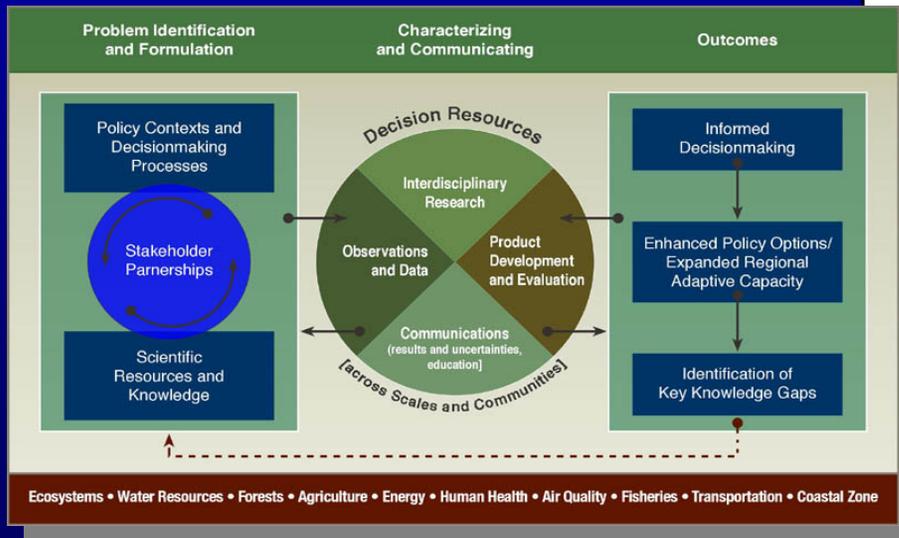


A U.S. CARBON CYCLE SCIENCE PLAN

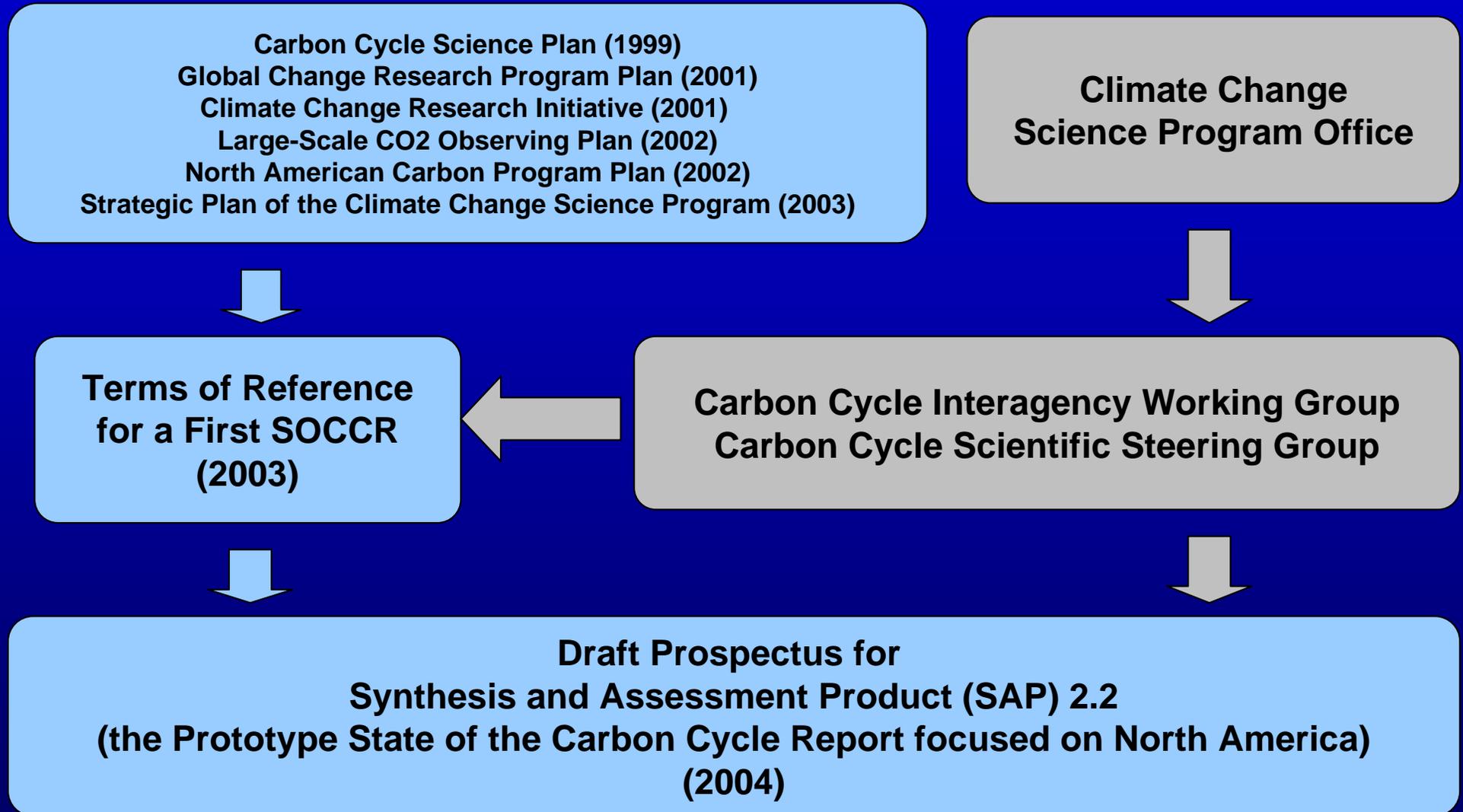
Plan Prepared by Scientists Active in Carbon Cycle Research for the U.S. Global Change Research Program (USGCRP)

Interagency:
NOAA, NASA, NSF, USDA, DOE, USGS

A Major Emphasis is Placed on Understanding North American Carbon Sources and Sinks



Consensus on the need for the SOCCR



Proposal-based origin of the first SOCCR

Terms of Reference
for a First SOCCR

Two Unsolicited Proposals
NCAR/USGS/CBI
ORNL
(2003)

Guidelines for Synthesis
and Assessment
Products
(2004)

Merged Proposal
ORNL/NCAR/USGS/CBI
(2004)

Prospectus
for SAP 2.2
(draft 2004
revised 2005)

The first SOCCR
CCSP Synthesis and Assessment Product 2.2
“State of the Carbon Cycle: North America”
(2006)

Future SOCCR's



SOCCR



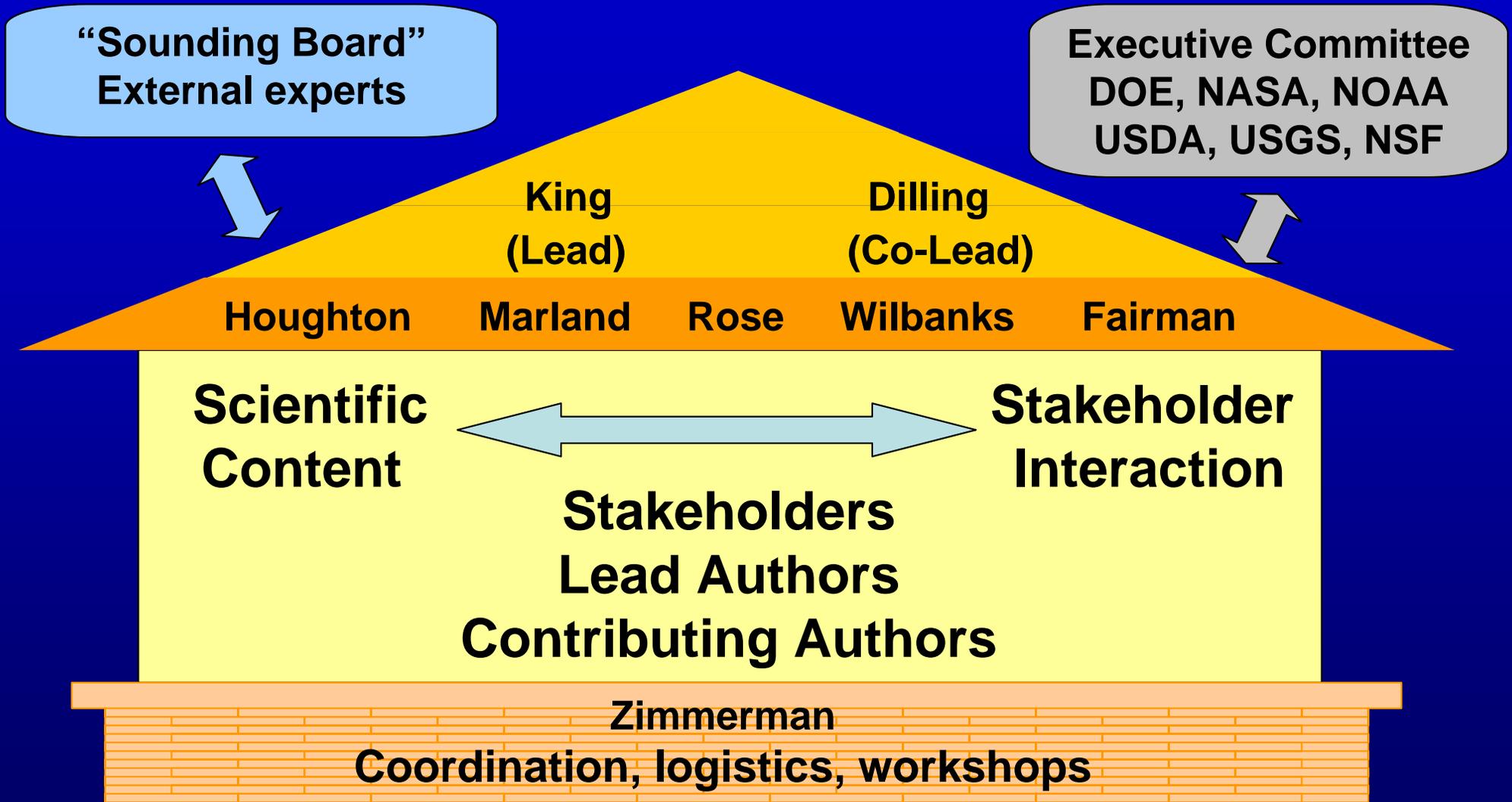
State of the Carbon Cycle Report

SOCCR Coordinating Team

- **Dr. Anthony King, Oak Ridge National Laboratory**
 - Overall Lead and Acting Lead for Scientific Content
- **Dr. Lisa Dilling, University of Colorado / National Center for Atmospheric Research**
 - Co-Lead and Lead for Stakeholder Interaction
- **Dr. David Fairman, Consensus Building Institute, Inc.**
 - Stakeholder Interaction
- **Dr. Richard (Skee) Houghton, Woods Hole Research Center**
 - Scientific Content (Land Use)
- **Dr. Gregg Marland, Oak Ridge National Laboratory**
 - Scientific Content (Energy Emissions)
- **Dr. Adam Rose, The Pennsylvania State University**
 - Scientific Content (Economics)
- **Dr. Thomas Wilbanks, Oak Ridge National Laboratory**
 - Scientific Content (Human Dimensions)
- **Mr. Gregory Zimmerman, Oak Ridge National Laboratory**
 - Project Coordinator



SOCCR Infrastructure



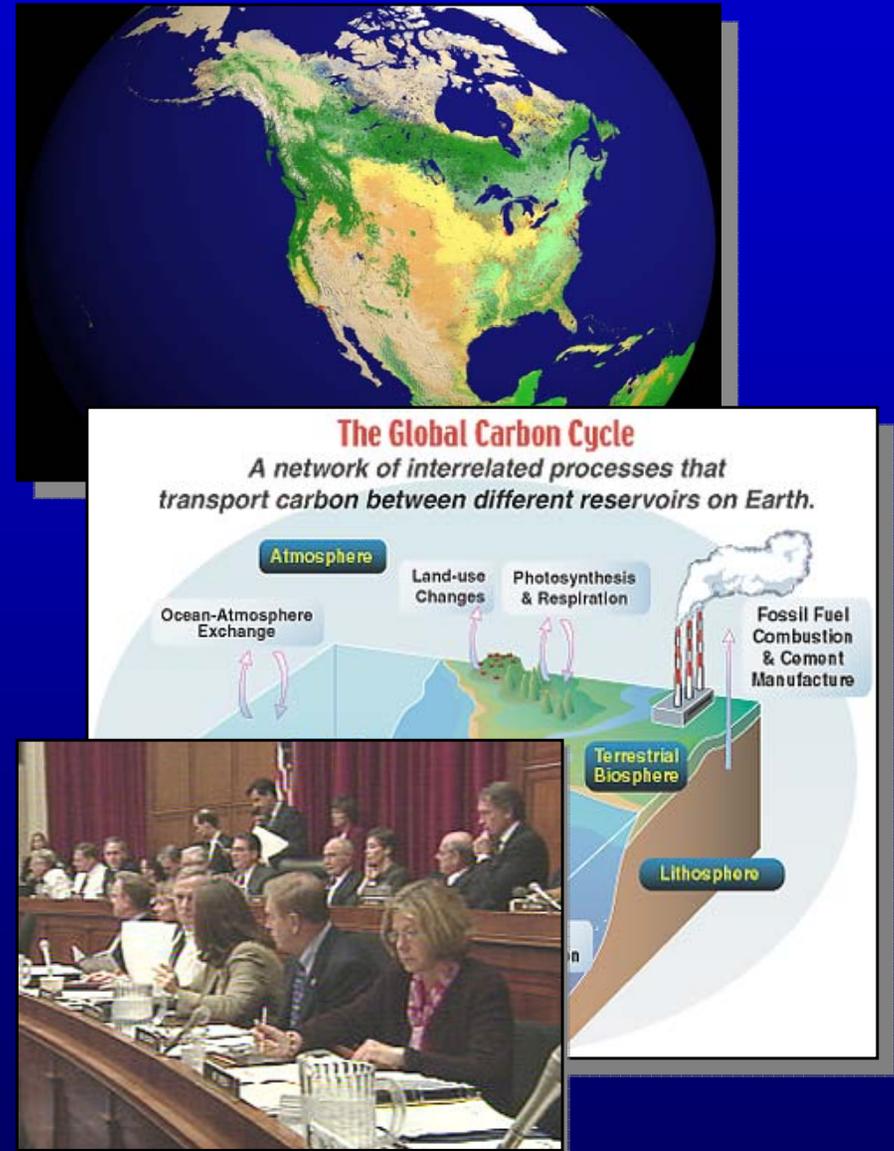
The SOCCR Timeline

- October 2004: Initial stakeholder contacts, review of proposal's chapter outline
- November 15-16, 2004: First stakeholder workshop, Washington D.C.
- November-December 2004: revised outline posted on SOCCR website
- December 2004: drafting of CCSP SAP 2.2 Prospectus
- January 2005: draft Prospectus submitted to CCSP
- February 2–March 7, 2005: public comment on draft Prospectus
- April 2005: response to comments and revision of Prospectus
- May 16-17, 2005: First lead chapter authors workshop, Atlanta GA
- May-October 2005: Authors prepare initial chapter drafts
- **October 24-25, 2005: Joint second stakeholder and author workshop, Arlington VA**
- November-December 2005: Authors revise/complete chapter drafts
- January 2006: Prepare draft 1 of report for submission to expert review
- February 2006: Submit draft (1) to AEC for expert review
- March 2006: Complete expert review of draft SOCCR
- May 2006: Deliver revised draft (2) SOCCR to AEC for 45-day public review
- May or June 2006: Third stakeholder workshop
- June-August 2006: Response to comments and final preparation
- August 2006: Delivery of SOCCR (draft 3) to AEC



SOCCR Science Questions

- What are the primary carbon sources and sinks in North America, and how are they changing?
- How do North American carbon sources and sinks relate to the global carbon cycle?
- How are North American carbon sources and sinks affected by present and anticipated future changes in human activities and climate?
- What are the primary uncertainties in the North American carbon budget, and what factors affect carbon budget uncertainties and information quality?
- What scientific information is most needed to support carbon management and climate policy decisions?



SOCCR stakeholder interactions

- Identification of key stakeholder constituencies --scientists, resource managers, decision makers, policy makers, policy advocates, carbon-related industries
- Initial rapid assessment of views using structured interviews
- Assessment of stakeholder focus areas for in-depth interviews and discussion
- Workshops
- Regular interactions with authors

