

# SOCCER...

**...not just a game  
anymore.**



# A Brief Introduction to the State of the Carbon Cycle Report (SOCCR)

Prepared by the SOCCR Coordinating Team:

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**SOCCR**

*State of the Carbon Cycle Report*

**NCAR**

**USGS**

**cbi**

**oml**

# What is the State of the Carbon Cycle Report (SOCCR)?

- “... 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**

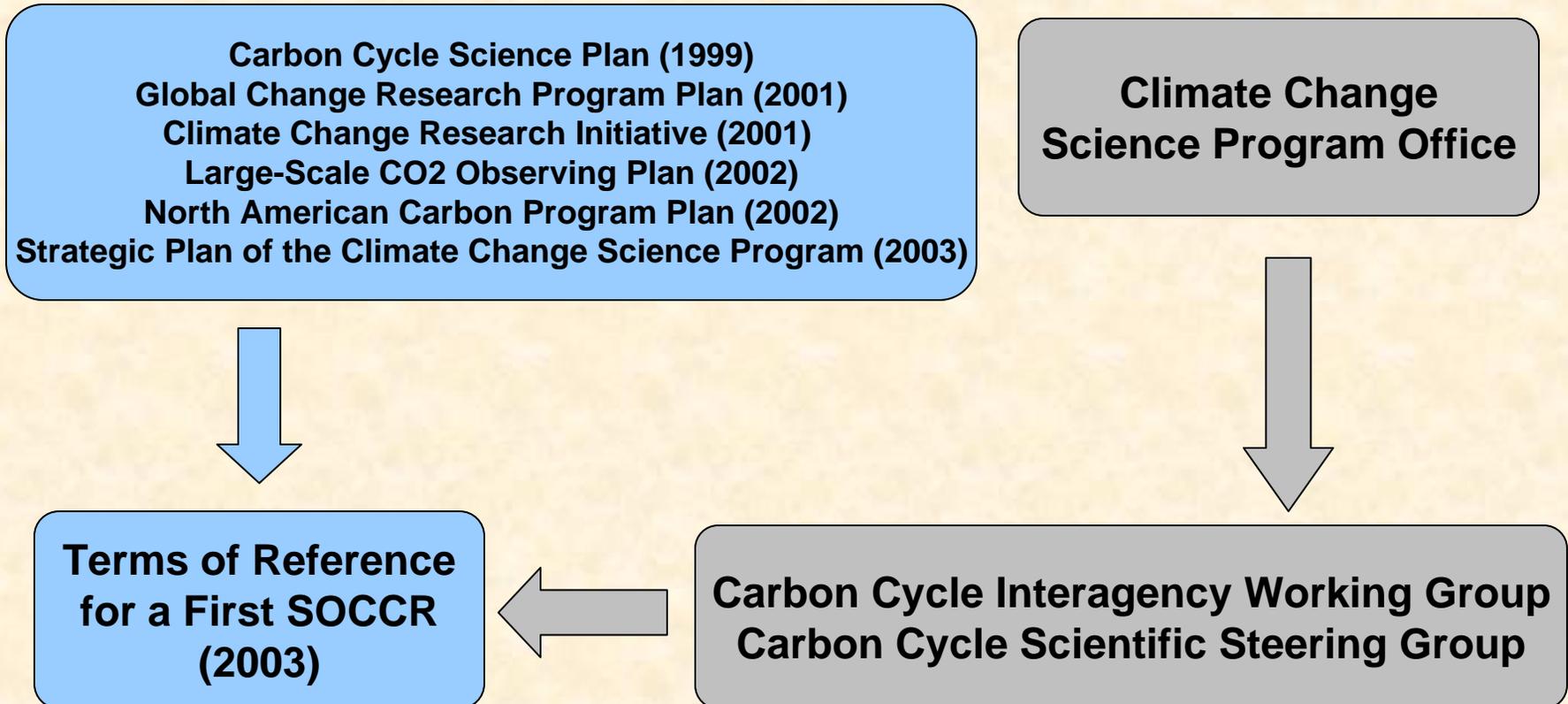


# What are the goals of the SOCCR?

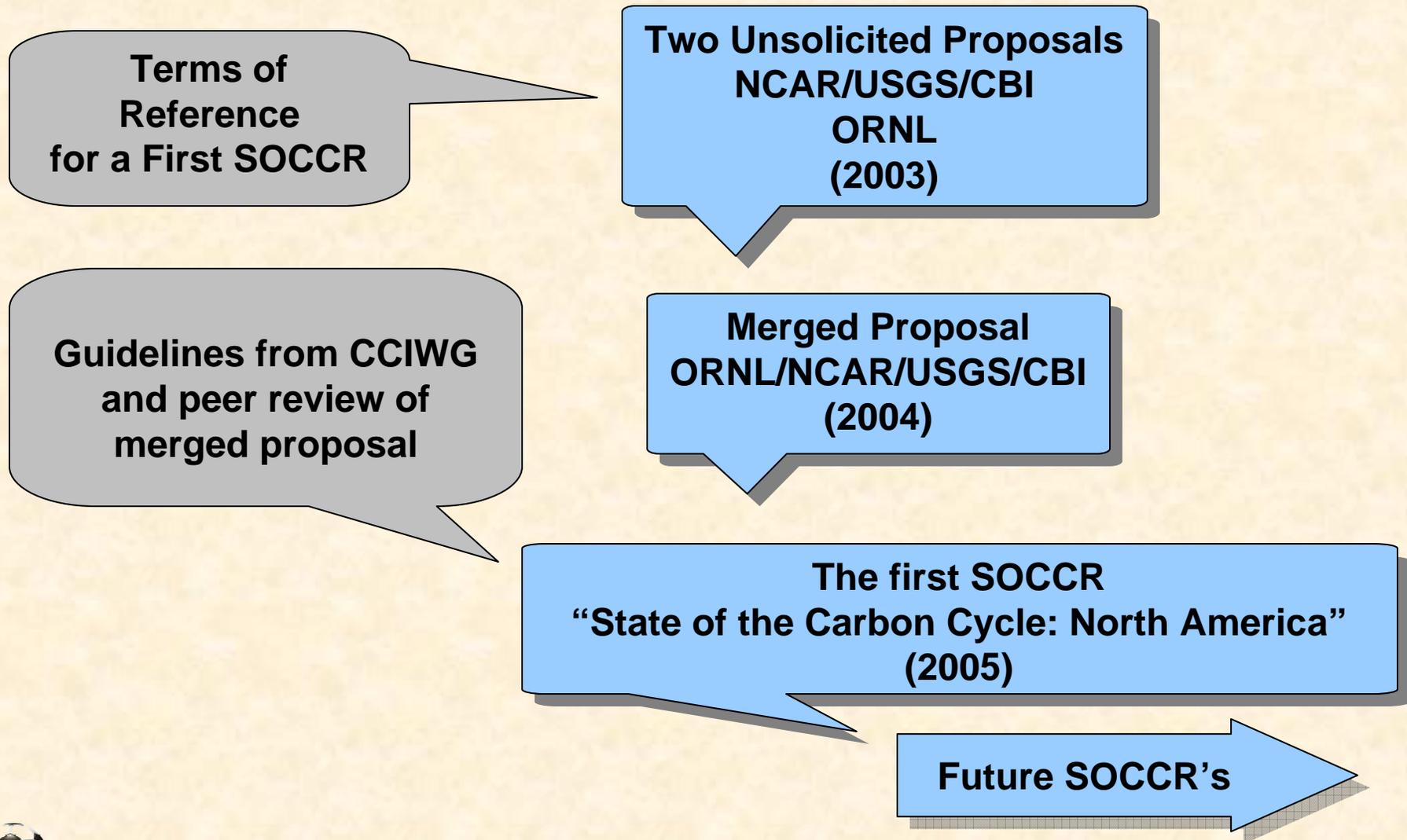
- **To summarize scientific knowledge about carbon cycle properties and changes.**
- **To provide scientific information for decision support and policy formulation concerning carbon.**



# Consensus on the need for the SOCCR



# Proposal-based origin of the first SOCCR

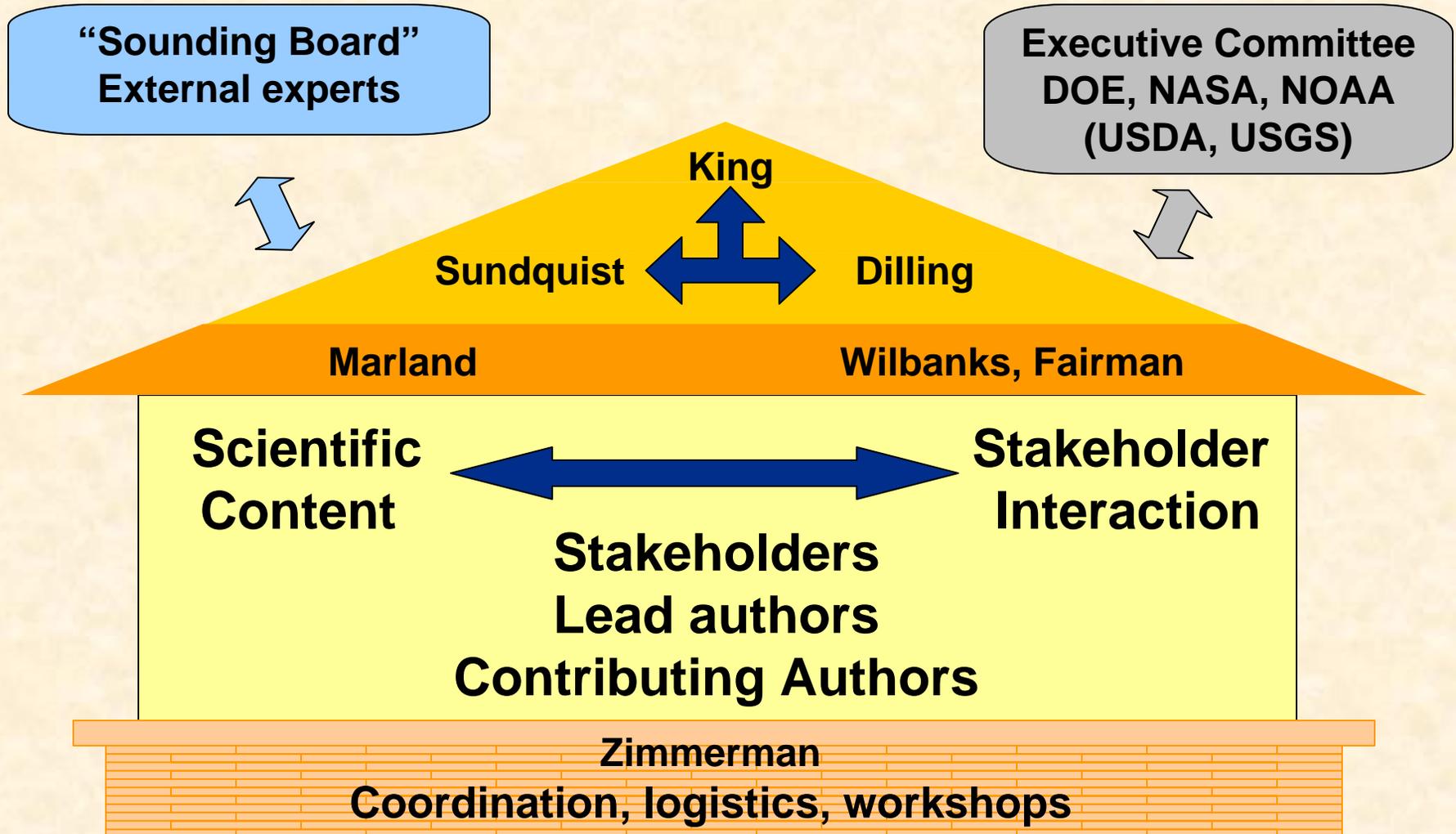


# SOCCR Coordinating Team

- **Dr. Anthony King, Oak Ridge National Laboratory**  
- Overall Lead
- **Dr. Lisa Dilling, National Center for Atmospheric Research**  
- Lead for Stakeholder Interaction
- **Dr. Eric Sundquist, U.S. Geological Survey**  
- Lead for Scientific Content
- **Dr. David Fairman, Consensus Building Institute, Inc.**  
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- **Dr. Gregg Marland, Oak Ridge National Laboratory**  
- Scientific Content
- **Dr. Thomas Wilbanks, Oak Ridge National Laboratory**  
- Stakeholder Interaction
- **Mr. Gregory Zimmerman, Oak Ridge National Laboratory**  
- Project Coordinator



# SOCCR infrastructure



# 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, 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 chapter authors**



# SOCCR review procedures

- **Before drafting:**
  - **Initiate web site for submission and posting of comments**
  - **Technical, stakeholder, and public review of draft chapter outline and candidate lead authors**
- **During drafting:**
  - **Ongoing information quality review**
  - **Review of drafts by stakeholder representatives**
  - **Review of drafts by external expert “sounding board”**
- **Expert review of first draft organized by Agency Executive Committee**
- **Government and public review of revised draft (per Information Quality Act)**



# Schedule for the first SOCCR

- **October 2004:** Initial stakeholder contacts, review of chapter outline and lead chapter authors
- **November 2004:** First stakeholder workshop
- **November-December 2004:** public comment period
- **January 2005:** First Lead Chapter Authors workshop
- **January-March 2005:** Authors prepare initial chapter drafts
- **March 2005:** Second stakeholder and author joint workshop
- **March - July 2005:** Authors revise chapter drafts
- **July - August 2005:** Expert review organized by Agency Executive Committee
- **September 2005:** Submit revised SOCCR for agency and public review
- **October 2005:** Third stakeholder workshop
- **November 2005:** Delivery of first SOCCR



## Future SOCCRs

- **Periodic synthesis of progress in scientific understanding**
- **Periodic assessment of stakeholder and decision support needs**
- **Build on experience from previous SOCCR(s) (especially in stakeholder interactions)**

