

The Design of the SOCCR

The design of the SOCCR as a document started with an outline in the original proposal but has evolved significantly based on input from the First Stakeholders Workshop in November 2004, and the First Authors workshop in May 2005.

There are three parts to the SOCCR, prefaced by an Executive Summary:

Part I: The Carbon Cycle in North America

Part II: Energy, Industry and Waste Management Activities

Part III: Land and Water Systems



Executive Summary

- **What is the carbon cycle and why do we care?**
- **How do North American carbon sources and sinks relate to the global carbon cycle?**
- **What are the primary carbon sources and sinks in North America, and how are they changing and why?**
- **What are the direct, non-climatic effects of increasing atmospheric CO₂ or other changes in the carbon cycle on the land and oceans of North America?**
- **What are the options and measures implemented in North America that could significantly affect the North American and global carbon cycles?**
- **How can we improve the application of scientific information to decision support for carbon management and climate decision-making?**



Part I: The Carbon Cycle in North America

- **Chapter 1. What is the Carbon Cycle and Why Do We Care?**
 - SOCCR Coordinating Team
- **Chapter 2. The Carbon Cycle of North America in a Global Context**
 - Chris Field (Coordinating Lead), Burke Hales, Jorge Sarmiento
- **Chapter 3. The North American carbon Budget Past and Present?**
 - Steve Pacala (Coordinating Lead), Rich Birdsey, Scott Bridgham, Rich Conant, Ken Davis, Burke Hales, Richard Houghton, Jen Jenkins, Mark Johnston, Gregg Marland, Keith Paustian and Steve Wofsy
- **Chapter 4. What are the Options and Measures That Could Significantly Affect the Carbon Cycle?**
 - Erik Haites (Coordinating Lead), Ken Caldeira, Patricia Romero Lankao, Adam Rose, Tom Wilbanks
- **Chapter 5. How Can We Improve the Usefulness of Carbon Science for Decision-Making?**
 - Lisa Dilling and Ron Mitchell (Coordinating Leads), David Fairman

