

Abrupt Climate Change

Public Review Comments on Draft Prospectus for Synthesis and Assessment Product 3.4

Collated Public Comments received from
7 November 2006 – 7 December 2006



Also available:
[CCSP Synthesis and Assessment Products](#).
Four-page background document (dated September 2007). In addition, it is available as a [PDF file](#) and can be ordered in hardcopy from the [GCRIO Online Catalog](#)

Reviewers

1- Meric Srokosz, Ph.D.

National Oceanography Centre,
Southampton (NOCS), Empress Dock, Southampton,
SO14 3ZH, UK
Tel: +44 (0)23 80596414 (direct line);
Fax: +44 (0)23 80596400
E-mail: mas@noc.soton.ac.uk or M.Srokosz@noc.soton.ac.uk
[Personal Web page](#).
Science Coordinator [NERC Rapid Climate Change Programme](#)

2- James F. Todd, Ph.D.

Program Manager, Climate Variability and Predictability
Program
[NOAA Office of Global Programs](#)
1100 Wayne Avenue, Suite 1210 Silver Spring,
Maryland 20910-5603 USA
Tel: 301 734 1258
E-mail: james.todd@noaa.gov

3- Brigid DeCoursey or Camille Mittelholtz

Office of Safety, Energy, and Environment
Office of the Secretary-U.S. Department of Transportation
400 7th St., SW Washington, DC 20590
Tel: 202 366 8914
Fax: 202 366 7618

4- Ashley D. Williamson (on Behalf of Jerry Elwood)

Tel: (301) 903-3120
E-mail: ashley.williamson@science.doe.gov
Jerry Elwood
Tel: 301 903 3281 Jerry.Elwood@science.doe.gov

5- Michael MacCracken, Ph.D.

Climate Institute
1785 Massachusetts Ave., NW, Suite 100, Washington DC
20036
Tel: 301 564 4255
E-mail: mmaccrac@comcast.net
Areas of expertise: Climate change, climate impacts, and
assessment

6- Jochem Marotzke, Ph.D.

Max Planck Institute for Meteorology
Bundesstr. 53 D-20146 Hamburg GERMANY
Tel.: +49 (0)40 41173 - 440
Tel.: +49 (0)40 41173 - 311, -467 (secretary)
Fax: +49 (0)40 41173 - 366
Areas of expertise: Ocean and climate dynamics, Abrupt
climate change, Atlantic thermohaline circulation

General Comments

Meric Srokosz

Your lead authors (section 3) do not have anyone representative of the oceanographic observing community working on the MOC - in the USA you could co-opt Prof. Bill Johns of RSMAS, Miami University, who is heavily involved in observing the N. Atlantic MOC.

Response ---This issue will be addressed by inviting at least one member of the oceanographic observing community to attend/speak at the SAP workshops and participate in the writing process as contributing author.

James F. Todd

In the section regarding the meridional overturning circulation (MOC), the report authors should be aware of the science coming out of the UK RAPID program, in which the US is a participant. There have been several recent advances in our understanding of MOC variability from this effort. Further, the UK RAPID effort seems to be much more up-to-date with respect to the attack on the problem - when contrasted with this report. For instance, it seems that it would be very important to ask the question "What is the present state of the MOC?"

I would suggest that the following individuals be considered part of the writing team:

- Jeff Severinghaus (Scripps)
- David Battisti (Univ. Washington)
- Bill Johns (RSMAS)
- Peter Schlosser (LDEO)
- Ray Pierrehumbert (Univ. Chicago)

Response---We added the following as a primary question to be addressed in the SAP prospectus: "What is the present state of the MOC?" The oceanographic observing community will be involved in both the workshops and the writing process (see response to comment above). We will consider the individuals mentioned in this

radiation than is carbon dioxide."

Page 9, lines 26: I was very pleased to see that "[a]ll comments and responses," presumably to all stages of the review process described in section 6 of the Prospectus, "will be documented and made publicly available." This will be an important step in contributing to the credibility of the report, and this should be the case for all CCSP products.

Response --- No action necessary.