

Hereafter is the **programme of the Final JGOFS Open Science Conference**, including all plenary oral presentations. (*October 2003*)

(click on the [title](#) to see a pdf version of a presentation)

**Sunday 4 May, 17:30-19:30**

**JGOFS Reception and Early Registration**

US National Academy of Sciences

**Monday 5 May 2003, 08:30-09:00**

**WELCOME AND INTRODUCTION**

Hugh Ducklow [Introductory remarks on behalf of the OSC Organizing Committee](#)  
Mark Abbott [Introductory remarks on behalf of the U.S. JGOFS Steering Committee](#)

**Monday 5 May 2003, 09:00-12:00**

**Plenary Session I** **OCEAN COLOR TO OCEAN DYNAMICS**

(Chair: Trevor Platt)

Mark Abbott [Reenvisioning the Ocean: The View from Space](#)  
Dave Siegel [Commentary](#)  
Rik Wanninkhof [Constraining Fluxes at the Top: Advances in Quantifying Air-Sea Carbon Dioxide Fluxes during the JGOFS Decade](#)  
Dick Feely [Commentary](#)  
Nicolas Gruber [Storage of Carbon in the Oceans: Observational Constraints](#)  
Nick Bates [Commentary](#)

**Monday 5 May 2003, 13:00-15:00**

**Plenary Session II** **JGOFS CONNECTIONS**

(Chair: Robert Anderson)

Carl Wunsch [WOCE - Links to JGOFS Biogeochemistry](#)  
Roger Harris [GLOBEC - Links to JGOFS Biogeochemistry](#)  
Peter Liss [SOLAS - Links to JGOFS Biogeochemistry](#)

**Poster Session I** **Monday 5 May 2003, 15:30-17:30**

Theme 1: *Carbon Dioxide* - Chair: Bronte Tilbrook

Theme 2: *Ocean Color* - Chair: Mary-Elena Carr

Region 1: *North Atlantic* - Chair: Véronique Garçon

Region 2: *Equatorial Pacific* - Chair: Robert Le Borgne

Region 3: *North Pacific* - Chair: Toshiro Saino

**Tuesday 6 May 2003, 08:30-13:00**

**Plenary Session III** **ECOSYSTEM STRUCTURE AND DYNAMICS**

(Chair: Bernt Zeitzschel)

Tony Michaels [Does Biological Community Structure Influence Biogeochemical Fluxes? JGOFS Says Yes! \(aka. YO!\)](#)  
Deborah Steinberg [Commentary](#)

Hein de Baar Co-limitation of Major Phytoplankton Groups by Light and Multiple Nutrients as Control of the Marine Carbon Cycle  
Ed Laws Commentary  
Richard Lampitt Linking Surface Ocean and the Deep Sea  
Susanne Neuer Commentary  
Corinne Le Quéré Climate Sensitivity: What Observations Tell Us about Model Predictions  
Jorge Sarmiento Commentary

**Tuesday 6 May 2003, 14:30-16:00**

**Plenary Session IV OCEAN MARGINS AND BENTHIC PROCESSES**

(Chair: Kon-Keo Liu)

Liana Talaue-McManus Examining Human Impacts on Global Biogeochemical Cycling Via the Coastal Zone and Ocean Margins  
Rick Jahnke Benthic Processes  
Thomas Pedersen Seeing the Past through JGOFS Spectacles

**Poster Session II Tuesday 6 May 2003, 16:30-18:30**

Theme 1: *Plankton Community Structure* - Chair: Renato Quiñones  
Theme 2: *Euphotic Zone Production/Export* - Chair: Patrick Monfray  
Theme 3: *Time-Series Studies* - Chair: Tony Knap  
Region 1: *Ocean Margins* - Chair: Huasheng Hong

**Wednesday 7 May 2003, 08:30-10:30**

**Plenary Session V DATA ASSIMILATION AND MODELLING**

(Chair: John Steele)

Andreas Oschlies Modelling Biogeochemical Fluxes in the Ocean - How Far Have We Gotten?  
Dennis McGillicuddy The Internal Weather of the Sea and its Influences on Ocean Biogeochemistry: Findings from JGOFS Studies  
Reiner Schlitzer Using Inverse Models to Estimate Biogeochemical Fluxes Achievements and Limitations

**Wednesday 7 May 2003, 11:00-13:00**

**Plenary Session VI HIGHLIGHTS OF THE JGOFS ERA**

(Chair: John Field)

Phil Boyd Iron Limitation  
Ken Buesseler The Life and Times of Marine Particles: the JGOFS Story  
Tommy Dickey New Technologies and their Roles in Advancing Biogeochemical Science during the JGOFS Era

**Wednesday 7 May 2003, 14:30-15:30**

**Plenary Session VII FUTURE PROGRAMS**

(Chair: Peter Burkill)

Julie Hall Ocean Futures in Biogeochemistry  
Larry Atkinson Role of Ocean Observing Systems in Ocean Research  
Will Steffen Oceans in the Earth System: Sailing into the Sea of Excitement

**Poster Session III** **Wednesday 7 May 2003, 15:30-17:30**

Theme 1: *Mesopelagic* - Chair: Richard Lampitt

Theme 2: *Deep Ocean/Benthos/Paleoceanography* - Chair: Anitra Ingalls

Theme 3: *Global Synthesis/Ecosystem Modeling* - Chair: Scott Doney

Region 1: *Arabian Sea* - Chair: Sharon Smith

Region 2: *Southern Ocean* - Chair: Paul Tréguer

**Keynote Lecture**

**Wednesday 7 May 2003, 18:00-19:30**

Smithsonian National Museum of Natural History, Baird Auditorium  
*Global Climate Policy: Where is the World Headed?*

Speaker: Carol M. Browner

**Reception**

**Wednesday 7 May 2003, 19:30-21:00**

Museum Rotunda

**Plenary Session VIII**

**Thursday 8 May 2003, 8:30-12:15**

**OCEAN DYNAMICS IN EARTH SYSTEM SCIENCE**

(Chair: Hugh Ducklow)

Peter Brewer

James McCarthy

Berrien Moore III

David Karl

Mark Abbott

Margaret Leinen

[Why and How We Created JGOFS and the Lessons Learned](#)

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[Ocean Biogeochemistry in the Earth System](#)

[JGOFS Accomplishments and New Challenges](#)

[Commentary](#)

[Epilogue](#)