

# IOCCG Update

## NASA Ocean Color Research Team Meeting April 2007

Web Page: [www.ioccg.org](http://www.ioccg.org)



# What is IOCCG?



The International Ocean-Color Coordinating Group (IOCCG) is an international committee of experts comprising representatives from both space agencies and user communities.

The main objectives of the IOCCG are to develop consensus and synthesis at the world scale in the subject area of satellite ocean color.

IOCCG is an Affiliated Program of SCOR and an Associate Member of CEOS. IOCCG is supported by financial contributions from national Space Agencies and other organizations.

# Current IOCCG Membership



- Yu-Hwan Ahn, KORDI
- David Antoine
- Stewart Bernard
- Paula Bontempi, NASA
- Chris Brown, NOAA
- Yves Crevier, CSA
- Curt Davis
- Pan Delu
- Roland Doerffer, GKSS
- Mark Dowell
- Nicholas Hoepffner, JRC
- Joji Ishizaka
- Milton Kampel, INPE
- T. Srinivasa Kumar
- Samantha Lavender
- Mervyn J Lynch
- Hiroshi Murakami, JAXA
- Ranganath Navalgund, ISRO
- Peter Regner, ESA
- Heidi Sosik
- Eric Thouvenot, CNES
- Jim Yoder, Chairman
- Trevor Platt, Past Chariman

# IOCCG Activities - Working Groups



## Six published reports ([www.ioccg.org](http://www.ioccg.org))

Most recent: *Remote Sensing of Inherent Optical Properties: Fundamentals, Tests of Algorithms, and Applications*. 2006. (ZP Lee) and Data Merging (W. Gregg).

### Working Groups approved and underway:

Atmospheric Correction Algorithms (M. Wang).

Calibration of Ocean Color Sensors (R. Frouin).

Global Ecological Provinces (M. Dowell).

Operational Uses of Ocean Color (C. Brown, T. Platt and N. Hoepffner).

Phytoplankton Functional Types (C. Moulin).

# IOCCG Activities - Working Groups



Working Groups approved and forming:

Bio-optical instrumentation on ARGO floats (H. Claustre)

Geostationary Platforms.

Working Groups in planning:

Statistical Analyses (R. Doerffer)

Regional Algorithms

Coastal Zone (C. Davis, A. Dekker)

Other Suggestions?

# IOCCG Activities - Ocean Colour Constellation



The concept of the “CEOS Constellations” has been agreed by CEOS agencies as a potential means to better address space-based Earth observation needs on a global basis – without eroding the independence of individual agencies.

# PRIMARY OBJECTIVES



- Move space agencies' coordination efforts from the generic to the specific, adopting a problem-focused approach to achieve significant results within a relatively short time;
- Improve considerably the extent to which the combined outputs of the various agency programs are relevant to specific applications, such as climate and other GEO Societal Benefit Areas (SBA).
- Facilitate the participation of smaller contributors.

# IOCCG Activities -Training Courses



## Recent and Upcoming

GEO/GOOS Chl Workshop in Plymouth - products for ecosystem and fisheries management and to calculate primary production (Sept 2006).

CSA-sponsored course on inland and coastal waters (V. Stuart, St. Johns, NL, May, 2007).

JRC-sponsored ocean-color training course in Africa (N. Hoepffner, Fall, 2007, Kenya or Tanzania)

## Proposed

Inversion modeling and other retrieval methods (R. Doerffer, 2008, near Hamburg)



## Video: *The Science of Ocean Color*

Produced by Roland Doerffer, to be completed within next year or so. Distribution under discussion.

## New Name: *Ocean-Color Radiometry (OCR)*

Previously suggested *VSR - Visible Spectral Radiometry (VSR)* or *Sea Surface Radiometry (SSR)*