



International Collaboration – Cornerstone
of the Coastcolour approach

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CoastColour User Consultation Meetings

- Coastcolour User Consultation Workshops:
- 19 – 20 March 2010, Cork, Ireland
- 16 – 17 November 2010, ESRIN, Italy
- 19 – 20 October 2011, Lisbon, Portugal

A major conclusion from UCM-2 was that these meetings have come to mean a lot more to the community than just the CoastColour Project: it is a unique forum for the community devoted to applications of ocean colour to the coastal and inland domains. A recommendation was made that the community be fostered and that the meetings be continued.

Links to other space agencies

- NASA, ISRO and KORDI are represented in the CoastColour Team (presentation from KORDI at this meeting)
- Links to JAXA are being explored

Links to IOCCG

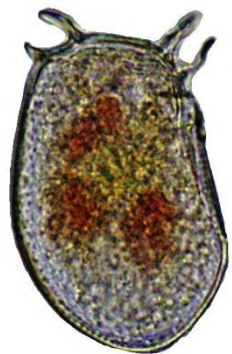
- CoastColour Team well represented in IOCCG
- IOCCG Working Group on uncertainties in ocean-colour algorithms is chaired by Roland Doerffer – will link to related efforts elsewhere
- Ocean Colour Virtual Constellation – CoastColour recognised within this activity. Feeds to CEOS
- IOCCG/GEOHab working group on Harmful Algal Blooms: CoastColour products are being provided to the working group on many sites identified as areas prone to incidents of HABs
- The CoastColour algorithm round robin exercise will be further developed into an IOCCG working group report (WG Chair: Kevin Ruddick).

Ocean Colour & Harmful Algal Blooms Working Group

International Ocean-Colour Coordinating Group
IOCCG

&

Global Ecology and Oceanography of Harmful Algal Blooms
GEOHAB



First Meeting, August 2010
Schulphoek, South Africa

Eight CoastColour Champion User sites represented in the case studies

Land-Ocean Interactions in the Coastal Zone (LOICZ)

- CoastColour has developed close ties with LOICZ.
- LOICZ interest in research on the marine biological components in the coastal domain: CoastColour is a link to remote-sensing approach to phytoplankton dynamics, primary production and ecological provinces of the coasts.
- LOICZ hosted the first progress meeting of CoastColour in May 2010, and expressed a strong interest in CoastColour activities.
- CoastColour contributed regularly to LOICZ newsletter.
- CoastColour is an affiliated project of LOICZ and has regular reporting responsibilities to LOICZ.

Links to Group on Earth Observations and Partnership for Observation of the Global Oceans

- **Agriculture:** Task AG-06-02: SAFARI
- **Ecosystems:** Task EC-09-01c: ChloroGIN
- **Water:** Task WA-08-01g: Inland and Near Coastal Remote Sensing WG
- New proposed overarching task: Oceans and Society: the Blue Planet (Coast Colour Team is well represented in it)

SAFARI

- Launched November 2007 after receiving Canadian Space Agency (CSA) funding
- Part of GEO task AG-06-02: consultation at international level to identify opportunities for enhanced utilization of Earth Observation (EO) data in fisheries & aquaculture
- Aims:
 - accelerate assimilation of EO data into fisheries research & ecosystem-based fisheries management on global scale
 - facilitate application of rapidly evolving satellite technology to fisheries management questions
 - help build capacity at science & operational levels

“An international network for promoting ocean colour and related satellite and in water observations to assess the state of marine, coastal and inland water ecosystems for the benefit of society.”

<http://chlorogin.org/world/>

The screenshot displays the ChloroGIN Earth website in a browser window. The browser's address bar shows the URL <http://www.chlorogin.org/world/>. The website header includes the title "ChloroGIN Earth" and navigation links for "Earth", "Africa", "South America", "Contact", and "Partners". A logo for "chloroGIN" is visible in the top right corner. The main content area features a world map with satellite-derived chlorophyll data overlays, showing various oceanic regions highlighted with black boxes. Below the map, there is a "Select date:" section with input fields for "Year: 2009", "Month: 05", and "Day: 20", along with "Apply" and "[Today]" buttons.

In-situ Database

- Global User Community
- Many users have only provided access to data specifically for CoastColour Project
- In situ data key to CoastColour's regionalised approach
- Recommendation from UCM-2: Stewardship of the in situ database
- Role for CoastColour?

MERIS Validation Team:

ESA Project

- CoastColour is an important contributor to validation of MERIS performance over coastal (optically complex) waters
- March next year: Preparation meeting for Sentinel 3 validation: Proposal to combine with next MVT and CC final meetings (suggestion from yesterday's MVT meeting)

Ocean Colour Climate Change Initiative: ESA Project

- Focus on climate-change related studies: open ocean, global, long time series
- Aspects to complementary to CoastColour
- OC-CCI has done an algorithm intercomparison, as is CoastColour; different objectives to the intercomparison. But can we learn from each other's experiences?
- OC-CCI has an open-ocean (Case-1) focus; CoastColour has a coastal (Case-2) focus. Whither shall the two meet? Users want seamless integration between Case-1 and Case-2 waters, which remains a long-term goal.

Carbon Report of CEOS:

- CEOS response to GEO Carbon Strategy Report 2010
- Similar to the CEOS response to GCOS implementation plan. Will consist of chapters devoted to three domains: atmosphere, oceans and land
- Writing team for the ocean domain: Watson Gregg, Nicolas Hoepffner, Joji Ishizaka, Trevor Platt, Johnny Johannessen, Shubha Sathyendranath
- User consultation is part of the report preparing process
- Trust the CoastColour Users will provide feedback to report when it is drafted



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19 – 20 October 2011, Lisbon, Portugal: Enjoy the meeting!

Thank you

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