

# Ocean Colour Radiometry-Virtual Constellation (OCR-VC) workshop hosted by Joint Research Centre (JRC), Ispra, Italy Oct. 21 2010

## 1. Objectives of the OCR workshop

- Overview of current calval “best-practices” and gap analysis to meet needs of the Integrated Network for Sensor InTercomparison and Uncertainty Assessment for OCR (INSITU-OCR)

## 2. Session plan in Thurs 21 Oct.

1) 9:00-12:35

*Presentations from each group about current ocean-colour cal/val activities and requirement (20min talk including discussion)*

09:00-09:15 “Introduction of INSITU-OCR/ GCOM-C cal/val plan”, Hiroshi Murakami (JAXA/OCR-VC)

09:15-09:35 Giuseppe Zibordi (JRC/IVOS)

09:35-10:00 “MERIS validation: towards Sentinel 3 OLCI/ CoastColour”, Philippe Goryl (ESA) and Carsten Brockmann (Brockmann Consult)

10:00-10:20 “Ocean-colour activities at EUMETSAT”, Anne Ocarroll (EUMETSAT)

10:20-10:40 “GOCI In-Orbit Test and Cal/Val Plan”, Joo-Hyung Ryu (KORDI/GOCI)

*Break (10:40-10:55)*

10:55-11:15 “Calibration and cross-calibration approaches using natural targets”, Bertrand Fougnie (CNES)

11:15-11:35 “Summary of past cal/val activities in Australian waters and delineate current infrastructure and future planned activities”, Vittorio Brando (CSIRO)

11:35-11:55 “Evaluation of satellite ocean color data using SIMBADA radiometers”, Robert Frouin (Cal-WG/SIMBADA)

11:55-12:15 “Calibration techniques for NASA's remote sensing ocean color sensors”, Gerhard Meister (NASA)

12:15-12:35 “NOAA Contributions to the OCR-VC” (Christopher Brown)

*Lunch (12:35-13:45)*

2) 13:45-16:00

*Discussion of gap analysis between the current achievement and INSITU-OCR, Mark Dowell (JRC/OCR-VC), Paula Bontempi (NASA/OCR-VC), Hiroshi Murakami (JAXA/OCR-VC), and David Antoine (LOV/IOCCG-Chair)*

13:45-13:55 “Gap analysis and prioritization (title: TBD)” Mark Dowell (JRC/OCR-VC)

13:55-16:00 *Discussions*

## 3. Notes

- Ocean-colour attendees are encouraged to join the CEOS WGCV IVOS workshop (18-20 Oct.) as well to strengthen links between IVOS and OCR-VC. Especially session 3 on 20 Oct will discuss following topics.

Session 3 (20 Oct.): *Establishing consensus on uncertainty of vicarious calibration/ validation methods for Ocean colour imagers and priorities for future research*

1) *Measurement uncertainties in vicarious calibration of Ocean colour sensors*

09:00-09:30 Vicarious Calibration of Ocean Colour Sensors, Frederic Melin (JRC) and Sean Bailey (NASA)

09:30-10:00 Uncertainties of in situ ocean colour radiometric measurements, Carol Johnson (NIST)

10:00-10:30 Discussion on ocean colour vicarious calibration and measurement uncertainties

*Break (10:30-10:50)*

2) *Ocean colour test-sites*

10:50-11:20 MOBy vicarious-calibration site, Michael Feinholz (California State University)

11:20-11:50 BOUSSOLE vicarious-calibration site, David Antoine (LOV)

11:50-12:20 AERONET-OC validation sites, Giuseppe Zibordi (JRC)

3) *Discussion on ocean colour sites for vicarious calibration and validation (12:20-12:50)*