



**MONDAY 6 MAY**

<b>09:00</b>	<b>MORNING PLENARY</b>				Spectrum A
	09:00 Welcome and introduction by Alain Ratier, EUMETSAT Director General 09:20 Welcome by Paula Bontempi, Program Manager for NASA's Ocean Biology and Biogeochemistry research program 09:25 Meeting rationale, overview, update on IOCCG activities (David Antoine, IOCCG Chair) 09:40 IOCS organisation (Venetia Stuart, IOCCG Project Coordinator)				
<b>09:45</b>	<b>AGENCY REPORTS (75 min - 15 min + 3 x 20 min)</b>				Spectrum A
	NASA: Future Directions for NASA Ocean Colour Remote Sensing (Paula Bontempi) EUMETSAT: Update on EUMETSAT Ocean Colour Services (Ewa Kwiatkowska) ESA: From MERIS to OLCI - Ocean Colour at ESA (Henri Laur) NOAA: Update on NOAA Ocean Colour Activities: VIIRS et al. (Cara Wilson)				
<b>11:00</b>	<b>COFFEE BREAK (30 min)</b>				
<b>11:30</b>	<b>KEYNOTE ADDRESS 1 - STEVEN ACKLESON (45 min)</b>				Spectrum A
	<i>In Situ</i> Observations Supporting Future Ocean Colour Research				
<b>12:15</b>	<b>LUNCH BREAK (75 min)</b>				
<b>13:30</b>	<b>AFTERNOON SPLINTERS (2 hr 30 min)</b>				
	<b>SPLINTER 1</b> Spectrum A <b>CHAIR: Paula Bontempi (NASA)</b>  NASA Ocean Colour Research Team (OCRT) meeting	<b>SPLINTER 2</b> Spectrum B <b>Co CHAIRS: Sean Bailey (NASA/GSFC), Robert Frouin (SIO/UCSD) and Cédric Jamet (LOG/ULCO)</b>  Advances in atmospheric correction of satellite ocean colour imagery	<b>SPLINTER 3</b> Spectrum C <b>Co CHAIRS: Joo-Hyung Ryu (KIOST, Korea), Kevin Ruddick (RBINS/MUMM, Belgium) and Antonio Mannino (NASA GSFC)</b> Geostationary ocean colour radiometry	<b>SPLINTER 4</b> Platinum 2 <b>Co CHAIRS: Lothar Wolf (EUMETSAT), Henri Laur (ESA)</b>  Multi-agency data sharing (satellite and in situ data)	
	13:30 Welcome/Program Update for NASA Ocean Biology & Biogeochemistry/Community Q&A (Paula Bontempi, NASA Headquarters)	13:30 Atmospheric correction over turbid waters (Cédric Jamet, Université du Littoral-Côte d'Opale)	<b>1. GEO product and application</b> 13:30 Jong-Kuk Choi (KOSC/KIOST, KOR) 13:37 David Doxaran (LOV, FRA) 13:44 Robert Frouin (SIO, USA) 13:50 Discussion	13:30 Introduction by the session Chairs	
	14:00 NASA Satellite Ocean Color Time series (Bryan Franz, NASA GSFC)	14:00 Aerosol determination with emphasis on aerosol absorption (Sean Bailey, NASA/GSFC)	<b>2. GEO data processing technique</b> 14:20 Seunghyun Son (NOAA, USA)	13:35 MERIS & OLCI data policies (ESA/Eumetsat) (Henri Laur, ESA)	
	14:20 NASA Science Team Assessment of S-NPP VIIRS Ocean Color Products (Kevin Turpie, Univ. of Maryland)	14:30 Atmospheric correction in the presence of Sun glint, thin clouds, and adjacency effects (Robert Frouin, Scripps Institution of Oceanography, USA)	<b>3. GEO new mission and synergy</b> 14:50 Joo-Hyung Ryu (KOSC/KOIST, KOR)	13:55 MODIS & SeaWiFs data policies (Jeremy Werdell, NASA)	
	14:40 Pre-Aerosol, Cloud, ocean Ecosystem (PACE) Science (Carlos Del Castillo, Johns Hopkins University - Applied Physics Laboratory)		14:30 Constant Mazeran (ACRI, FRA) 14:40 Discussion	14:15 SGLI & GLI data policy (Hiroshi Murakami, JAXA)	
	15:00 Controls on Open Ocean Productivity and Export eXperiment (COOPEX) (Dave Siegel, Univ. of California - Santa Barbara)	15:00 The remainder of the session will be dedicated to a general discussion about the atmospheric correction advances and implications for future missions. The three Co-Chairs will moderate the discussion	14:55 Antonio Mannino (NASA, USA) 15:00 David Antoine (LOV, FRA) 15:05 Quinten Vanhellemont (RBINS/MUMM, Belgium) 15:10 Discussion	14:35 VIIRS data policy (Wei Shi, NOAA)	
	15:20 Break			14:55 Inter agency data sharing and exchange principles (Michael Schick, EUMETSAT)	
	15:30 Agency data sharing discussion (with "Multi-Agency Data Sharing" splinter session)			15:15 Group to join the OCRT session in Spectrum A room to continue discussions	
<b>16:00</b>	<b>COFFEE BREAK (30 min)</b>				
<b>16:30</b>	<b>POSTER SESSION (1 hr 30 min)</b>				Registration area
<b>18:00</b>	<b>SESSION REPORTS (1 hr)</b>				Spectrum A
	18:00 Splinter Session 1 report 18:15 Splinter Session 2 report 18:30 Splinter Session 3 report 18:45 Splinter Session 4 report				
<b>19:00</b>	<b>ICEBREAKER AT THE MEETING VENUE</b>				



**TUESDAY 7 MAY**

**08:30 KEYNOTE ADDRESS 2 - SHAILESH NAYAK (45 min)** Spectrum A  
Challenges and opportunities for the operational use of ocean colour for fisheries

**09:15 COFFEE BREAK (30 min)**

**09:45 MORNING SPLINTERS (2 hr 30 min)**

SPLINTER 5 <span style="float: right;">Spectrum A</span>	SPLINTER 6 <span style="float: right;">Spectrum B</span>	SPLINTER 7 <span style="float: right;">Spectrum C</span>	SPLINTER 8 <span style="float: right;">Platinum 2</span>
<b>CHAIR: Ewa Kwiatkowska (EUMETSAT) and Stewart Bernard (CSIR, South Africa)</b> Operational ocean colour data in support of research, applications and services	<b>Co CHAIRS: Jean-Paul Huot (ESA) and Giulietta Fargion (San Diego State University)</b> <i>In situ</i> measurement protocol revision for cal/val	<b>CHAIR: Mark Higgins (EUMETSAT)</b> International training and outreach	<b>Co CHAIRS: Giuseppe Zibordi (JRC, EU) and Jeremy Werdell (NASA GSFC)</b> System vicarious calibration
09:45 Splitter session introduction (Ewa Kwiatkowska, EUMETSAT) Topic: Redefining "Operational" (sustained long-term, routine provision of quality satellite data for a variety of evolving applications, including science, climate, environment and services)	09:45 AOP protocols for field measurement (Giuseppe Zibordi, JRC, EU) 10:05 IOP instrumentation in the lab (Rüdiger Röttgers, Helmholtz-Zentrum Geesthacht, Germany)	09:45 POGO Capacity Building activities (Shubha Sathyendranath, PML, UK) 09:55 IOCCG Training Initiatives (Venetia Stuart, IOCCG Project Coordinator)	09:45 Introduction by session chairs (fix fundamental elements and focus of discussions) 09:55 General overview of the method currently applied by NASA-OPBG with a focus on constrains for in situ reference data (Jeremy Werdell, NASA GSFC)
09:55 Emerging perspective (Cara Wilson, NOAA)	10:25 IOP measurements in the field (Jean-Francois Berthon, JRC, EU)	10:05 Training in Ocean Optics (Emmanuel Boss, University of Maine, USA) 10:15 Experiences from EUMETSAT (Mark Higgins, EUMETSAT)	10:10 General overview of the method currently applied for MERIS with focus on the dual source of in situ reference data (Constant Mazeran, ACRI-ST)
10:10 Marine services view (Rosalia Santoleri, EU MyOcean)	10:45 Biogeochemistry - lab/field instruments for carbon stocks and rates (Heidi Sosik, Woods Hole Oceanographic Institution, USA)	10:25 Group discussion	10:25 Requirements for system vicarious calibration of future ocean color sensors with reference to sources of in situ data (Carlos Del Castillo, Johns Hopkins University)
10:20 Diverse applications and their needs (Stewart Bernard, CSIR)	11:05 Biogeochemistry - lab/field instruments for size of particles (Michael Twardowski, WetLabs, USA)		10:40 Discussion supported by seed questions linked to above talks (limited time for each topic)
10:30 Discussion Topic: Scientific and technological innovation in support of evolving applications and user needs	11:25 Discussion		12:00 Wrap-up to recap any action(s) requiring community consideration
11:00 Emerging applications, modelling/data assimilation (Rosa Barciela, Met Office)			
11:10 Data access and tools (Steve Groom, PML)			
11:20 Discussion Topic: Community organisation to support the implementation			
11:50 International Ocean Colour Community view and OCR-VC (Mark Dowell, JRC)			
12:00 Discussion			

**12:15 LUNCH BREAK (75 min)**

**13:30 KEYNOTE ADDRESS 3 - FRÉDÉRIC MÉLIN (45 min)** Spectrum A  
In search of long-term trends in the ocean colour record

**14:15 COFFEE BREAK (30 min)**

**14:45 AFTERNOON SPLINTERS (2 hr 30 min)**

SPLINTER 9 <span style="float: right;">Spectrum A</span>	SPLINTER 10 <span style="float: right;">Spectrum B</span>	SPLINTER 11 <span style="float: right;">Spectrum C</span>	SPLINTER 12 <span style="float: right;">Platinum 2</span>
<b>Co CHAIRS: James Yoder (WHOI, USA), Mark Dowell (JRC, EU) and Stephanie Dutkiewicz (MIT, USA)</b> Climate variables and long term trends	<b>Co CHAIRS: Astrid Bracher (Alfred-Wegener-Institute, Germany) and Takafumi Hirata (Hokkaido University, Japan)</b> Phytoplankton community structure from ocean colour: methods, validation, intercomparisons and application	<b>Co CHAIRS: Carsten Brockman (Brockman Consult, Germany), Bryan Franz (NASA GSFC), Simon Elliott (EUMETSAT)</b> Satellite data file formats and tools for easy science exploitation	<b>Co CHAIRS: Gerhard Meister (NASA GSFC) and Bertrand Fougnie (CNES, France)</b> Satellite instrument pre- and post-launch calibration
14:45 Relations involving international bodies like CEOS/SIT/GEO/GCOS, space agencies and scientists related to climate variables (Mark Dowell, JRC)	14:45 Welcome, program and goal of the session (Astrid Bracher, AWI and Taka Hirata, Hokkaido University)	<b>(1) Data file content and formats</b> 14:45 NASA's perspective on ocean colour data formats and contentions (Sean Bailey, NASA GSFC)	14:45 Introduction (Bertrand Fougnie, CNES)
15:15 Activities of the IOCCG Essential Climate Variable (ECV) Task Team (James Yoder, WHOI)	14:50 Update of IOCCG PFT working group (Shubha Sathyendranath, PML, UK)	15:00 Discussion <b>(2) Data processing, analysis and exploitation tools</b>	14:50 OCM-2 calibration and characterization (Samir Pal, ISRO)
15:40 Break	15:00 Overview of PFT satellite products (Astrid Bracher, AWI and Nick Hardman Mountford, CSIRO, Australia)	15:20 Processing and validation environment MERMAID and ODESA (Véronique Bruniquel, ACRI-ST, France)	15:00 MERIS calibration and characterization (Steven Delwart, ESA/ESRIN)
15:50 Discussion of long-term trends particularly in reference to Frédéric Mélin's keynote address and including brief summaries of projects that are generating multiple-year time series of ocean color variables.	15:20 In situ/laboratory classification of phytoplankton types – data base: efforts/goals (Lesley Clementson, CSIRO, Australia)	15:35 SeaDAS and BEAM user tools (Sean Bailey, NASA & Norman Fomferra, Brockman Consult)	15:10 OLCI calibration and characterization (Ludovic Bourg, ACRI-ST)
16:40 Interactions between the ocean colour and biogeochemical modeling communities (Stephanie Dutkiewicz, MIT)	15:40 Validation/Intercomparison of PFT satellite products (Taka Hirata, Hokkaido University)	15:50 Discussion <b>(3) Data distribution</b>	15:20 GOCI calibration and characterization (Seongick Cho, KIOST, Korea)
17:00 Discussion	16:00 Cecile Rousseaux-NASA GSFC: Application of PFT satellite products in ecosystem modeling	16:20 EUMETSAT's means and plans for distributing ocean colour data (Simon Elliott, EUMETSAT)	15:30 MODIS calibration and characterization (Gerhard Meister, NASA GSFC)
	16:15 Discussion	<b>(4) Review of recommendations</b> 16:35 Discussion	15:40 SGLI calibration and characterization (Hiroshi Murakami, JAXA, Japan)
			15:50 Break
			15:55 GSICs (Tim Hewison, EUMETSAT)
			16:05 IOCCG Calibration Task Force (Ewa Kwiatkowska, EUMETSAT)
			16:15 Discussion on future cooperation, summary of this session

**17:15 POSTER SESSION (1 hr 30 min)** Registration area

**19:00 TOUR OF EUMETSAT FACILITIES FOR INTERESTED PARTICIPANTS** EUMETSAT headquarters

**20:00 CONFERENCE DINNER** EUMETSAT headquarters



**WEDNESDAY 8 MAY**

08:30	<b>KEYNOTE ADDRESS 4 - STEWART BERNARD (45 min)</b> Issues related to ocean colour in coastal zones and inland waters	Spectrum A
09:15	<b>AGENCY REPORTS, CONTINUED (80 min)</b> 09:15 KIOST: GOCI status and GOCI-II plan (Joo-Hyung Ryu) 09:35 JAXA: Update on GCOM-C1/SGLI (Hiroshi Murakami) 09:55 CNES: Ocean program status: perspectives for ocean colour (Juliette Lambin) 10:15 China: Ocean colour remote sensing and application in China (Pan Delu)	Spectrum A
10:35	<b>COFFEE BREAK (40 min)</b>	
11:15	<b>SESSION REPORTS, CONTINUED (1 hr)</b> 11:15 Splinter Session 5 report 11:30 Splinter Session 6 report 11:45 Splinter Session 7 report 12:00 Splinter Session 8 report	Spectrum A
12:15	<b>LUNCH BREAK (75 min)</b>	
13:30	<b>KEYNOTE ADDRESS 5 - CHARLES R. McCLAIN (45 min)</b> Past observations and future challenges for ocean colour remote sensing	Spectrum A
14:15	<b>SESSION REPORTS, CONTINUED (1 hr)</b> 14:15 Splinter Session 9 report 14:30 Splinter Session 10 report 14:45 Splinter Session 11 report 15:00 Splinter Session 12 report	Spectrum A
15:15	<b>COFFEE BREAK (30 min)</b>	
15:45	<b>GENERAL DISCUSSION (75 min)</b> General discussion on the session topics addressed during the three days, on future directions for ocean colour satellite remote sensing science	Spectrum A
17:00	<b>CONCLUDING REMARKS, AOB (30 min)</b>	Spectrum A
17:30	<b>CONFERENCE ADJOURNS</b>	