



MONDAY 6 MAY

9:00 MORNING PLENARY Spectrum A
 9:00 Welcome and introduction by Alain Ratier, EUMETSAT Director General
 9:20 Welcome by Paula Bontempi, Program Manager for NASA's Ocean Biology and Biogeochemistry research program
 9:25 Meeting rationale, overview, update on IOCCG activities (David Antoine, IOCCG Chair)
 9:40 IOCS organisation (Venetia Stuart, IOCCG Project Coordinator)

9:45 AGENCY REPORTS (75 min - 15 min + 3 x 20 min) 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)

11:00 COFFEE BREAK (30 min)

11:30 KEYNOTE ADDRESS 1 - STEVEN ACKLESON (45 min) Spectrum A
In Situ Observations Supporting Future Ocean Colour Research

12:15 LUNCH BREAK (75 min)

13:30 AFTERNOON SPLINTERS (2 hr 30 min)

SPLINTER 1 Spectrum A CHAIR: Paula Bontempi (NASA)	SPLINTER 2 Spectrum B Co CHAIRS: Sean Bailey (NASA/GSFC), Robert Frouin (SIO/UCSD) and Cédric Jamet (LOG/ULCO)	SPLINTER 3 Spectrum C Co CHAIRS: Joo-Hyung Ryu (KIOST, Korea), Kevin Ruddick (RBINS/MUMM, Belgium) and Antonio Mannino (NASA GSFC)	SPLINTER 4 Platinum 2 Co CHAIRS: Lothar Wolf (EUMETSAT), Henri Laur (ESA)
NASA Ocean Colour Research Team (OCRT) meeting 13:30 Welcome/Program Update for NASA Ocean Biology & Biogeochemistry/Community Q&A (Paula Bontempi, NASA Headquarters) 14:00 NASA Satellite Ocean Color Time series (Bryan Franz, NASA GSFC) 14:20 NASA Science Team Assessment of S-NPP VIIRS Ocean Color Products (Kevin Turpie, Univ. of Maryland) 14:40 Pre-Aerosol, Cloud, ocean Ecosystem (PACE) Science (Carlos Del Castillo, Johns Hopkins University - Applied Physics Laboratory) 15:00 Controls on Open Ocean Productivity and Export eXperiment (COOPEX) (Dave Siegel, Univ. of California - Santa Barbara) 15:20 Break 15:30 Agency data sharing discussion (with "Multi-Agency Data Sharing" splinter session)	Advances in atmospheric correction of satellite ocean colour imagery 13:30 Atmospheric correction over turbid waters (Cédric Jamet, Université du Littoral-Côte d'Opale) 14:00 Aerosol determination with emphasis on aerosol absorption (Sean Bailey, NASA/GSFC) 14:30 Atmospheric correction in the presence of Sun glint, thin clouds, and adjacency effects (Robert Frouin, Scripps Institution of Oceanography, USA) 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	1. GEO product and application 13:30 Jong-Kuk Choi (KOSC/KIOST, KOR) 13:37 David Doxaran (LOV, FRA) 13:44 Robert Frouin (SIO, USA) 13:50 Discussion 2. GEO data processing technique 14:20 Seunghyun Son (NOAA, USA) 14:30 Constant Mazeran (ACRI, FRA) 14:40 Discussion 3. GEO new mission and synergy 14:50 Joo-Hyung Ryu (KOSC/KOIST, KOR) 14:55 Antonio Mannino (NASA, USA) 15:00 David Antoine (LOV, FRA) 15:05 Quinten Vanhellemont (RBINS/MUMM, Belgium) 15:10 Discussion	Multi-agency data sharing (satellite and in situ data) 13:30 Introduction by the session Chairs 13:35 MERIS & OLCI data policies (ESA/Eumetsat) (Henri Laur, ESA) 13:55 MODIS & SeaWiFS data policies (Jeremy Werdell, NASA) 14:15 SGLI & GLI data policy (Hiroshi Murakami, JAXA) 14:35 VIIRS data policy (Wei Shi, NOAA) 14:55 Inter agency data sharing and exchange principles (Michael Schick, EUMETSAT) 15:15 Group to join the OCRT session in Spectrum A room to continue discussions

16:00 COFFEE BREAK (30 min)

16:30 POSTER SESSION (1 hr 30 min) Registration area

18:00 SESSION REPORTS (1 hr) 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

19:00 ICEBREAKER AT THE MEETING VENUE



TUESDAY 7 MAY

8:30 KEYNOTE ADDRESS 2 - SHAILESH NAYAK (45 min) Spectrum A
Challenges and opportunities for the operational use of ocean colour for fisheries

9:15 COFFEE BREAK (30 min)

MORNING SPLINTERS (2 hr 30 min)	
SPLINTER 5 Spectrum A	SPLINTER 6 Spectrum B
CHAIR: Ewa Kwiatkowska (EUMETSAT) and Stewart Bernard (CSIR, South Africa) Operational ocean colour data in support of research, applications and services	Co CHAIRS: Jean-Paul Huot (ESA) and Giuletta Fargion (San Diego State University) <i>In situ</i> measurement protocol revision for cal/val
9:45 Splinter session introduction (Ewa Kwiatkowska, EUMETSAT)	9:45 AOP protocols for field measurement (Giuseppe Zibordi, JRC, EU)
Topic: Redefining "Operational" (sustained long-term, routine provision of quality satellite data for a variety of evolving applications, including science, climate, environment and services)	10:05 IOP instrumentation in the lab (Rüdiger Röttgers, Helmholtz-Zentrum Geesthacht, Germany)
9:55 Emerging perspective (Cara Wilson, NOAA)	10:25 IOP measurements in the field (Jean-Francois Berthon, JRC, EU)
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)
10:20 Diverse applications and their needs (Stewart Bernard, CSIR)	11:05 Biogeochemistry - lab/field instruments for size of particles (Michael Twardowski, WetLabs, USA)
10:30 Discussion	11:25 Discussion
Topic: Scientific and technological innovation in support of evolving applications and user needs	
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)

AFTERNOON SPLINTERS (2 hr 30 min)	
SPLINTER 9 Spectrum A	SPLINTER 10 Spectrum B
Co CHAIRS: James Yoder (WHOI, USA), Mark Dowell (JRC, EU) and Stephanie Dutkiewicz (MIT, USA) Climate variables and long term trends	Co CHAIRS: Astrid Bracher (Alfred-Wegener-Institute, Germany) and Takafumi Hirata (Hokkaido University, Japan) Phytoplankton community structure from ocean colour: methods, validation, intercomparisons and application
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)
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)
15:40 Break	15:00 Overview of PFT satellite products (Astrid Bracher, AWI and Nick Hardman-Mountford, CSIRO, Australia)
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 <i>In situ</i> /laboratory classification of phytoplankton types – data base: efforts/goals (Lesley Clementson, CSIRO, Australia)
16:40 Interactions between the ocean colour and biogeochemical modelling communities (Stephanie Dutkiewicz, MIT)	15:40 Validation/Intercomparison of PFT satellite products (Taka Hirata, Hokkaido University)
17:00 Discussion	16:00 Cecile Rousseaux-NASA GSFC: Application of PFT satellite products in ecosystem modeling
	16:15 Discussion

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

8:30	KEYNOTE ADDRESS 4 - STEWART BERNARD (45 min) Issues related to ocean colour in coastal zones and inland waters	Spectrum A
9:15	AGENCY REPORTS, CONTINUED (80 min) 9:15 KIOST: GOCI status and GOCI-II plan (Joo-Hyung Ryu) 9:35 JAXA: Update on GCOM-C1/SGLI (Hiroshi Murakami) 9:55 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	COFFEE BREAK (40 min)	
11:15	SESSION REPORTS, CONTINUED (1 hr) 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	LUNCH BREAK (75 min)	
13:30	KEYNOTE ADDRESS 5 - CHARLES R. McCLAIN (45 min) Past observations and future challenges for ocean colour remote sensing	Spectrum A
14:15	SESSION REPORTS, CONTINUED (1 hr) 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	COFFEE BREAK (30 min)	
15:45	GENERAL DISCUSSION (75 min) 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	CONCLUDING REMARKS, AOB (30 min)	Spectrum A
17:30	CONFERENCE ADJOURNS	