



MONDAY 6 MAY

09:00 MORNING PLENARY 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)

09:45 AGENCY REPORTS (75 min - 15 min + 3 x 20 min) Spectrum A
 EUMETSAT: Update on EUMETSAT ocean colour services (Ewa Kwiatkowska)
 NASA: Future Directions for NASA Ocean Colour Remote Sensing (Paula Bontempi)
 ESA: From MERIS to OLCI - Ocean colour at ESA (Henri Laur)
 NOAA: Update on NOAA Ocean colour activities: VIIRS et al. (TBC)

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	SPLINTER 2 Spectrum B	SPLINTER 3 Spectrum C	SPLINTER 4 Platinum 2
CHAIR: Paula Bontempi (NASA)	Co CHAIRS: Sean Bailey (NASA/GSFC), Robert Frouin (SIO/UCSD) and Cédric Jamet (LOG/ULCO)	Co CHAIRS: Joo-Hyung Ryu (KIOST, Korea), Kevin Ruddick (RBINS/MUMM, Belgium) and Antonio Mannino (NASA GSFC)	Co CHAIRS: Lothar Wolf (EUMETSAT), Henri Laur (ESA)
NASA Ocean Colour Research Team (OCRT) meeting	Advances in atmospheric correction of satellite ocean colour imagery	Geostationary ocean colour radiometry	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)	1. GEO product and application 13:30 Robert Frouin (SIO, USA) 13:37 David Doxaran (LOV, FRA) 13:44 Jong-Kuk Choi (KOSC/KIOST, KOR)	13:30 Introduction by the session Chairs 13:35 MERIS & OLCI data policies (ESA/Eumetsat) (Henri Laur, ESA)
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)	13:50 Discussion 2. GEO data processing technique	13:55 MODIS & SeaWiFs data policies (Jeremy Werdell, NASA)
14:20 Suomi-NPP Science Evaluation (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)	14:20 Seunghyun Son (NOAA, USA)	14:15 SGLI & GLI data policy (Hiroshi Murikami, JAXA)
14:40 Pre-Aerosol, Cloud, ocean Ecosystem (PACE) Science (Carlos Del Castillo, Johns Hopkins University - Applied Physics Laboratory)	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	14:30 Constant Mazeran (ACRI, FRA) 14:40 Discussion 3. GEO new mission and synergy	14:35 VIIRS data policy (TBC, NOAA) 14:55 Inter agency data sharing and exchange principles (Michael Schick, EUMETSAT)
15:00 Controls on Open Ocean Productivity and Export eXperiment (COOPEX) (Dave Siegel, Univ. of California - Santa Barbara)		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	15:15 Group to join the OCRT session in Spectrum A room to continue discussions
15:20 Contributed Science Talk - TBD			
15:30 Agency data sharing discussion (with "Multi-Agency Data Sharing" splinter session)			

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

08:30	KEYNOTE ADDRESS 2 - FRÉDÉRIC MÉLIN (45 min)			Spectrum A			
In search of long-term trends in the ocean colour record							
09:15	COFFEE BREAK (30 min)						
09:45	MORNING SPLINTERS (2 hr 30 min)						
SPLINTER 5	Spectrum A	SPLINTER 6	Spectrum B	SPLINTER 7	Spectrum C	SPLINTER 8	Platinum 2
CHAIR: Ewa Kwiatkowska (EUMETSAT) and Stewart Bernard (CSIR, South Africa)		Co CHAIRS: Jean-Paul Huot (ESA) and Giuletta Fargion (San Diego State University)		CHAIR: Mark Higgins (EUMETSAT)		Co CHAIRS: Giuseppe Zibordi (JRC, EU) and Jeremy Werdell (NASA GSFC)	
Operational ocean colour data in support of research, applications and services		<i>In situ</i> measurement protocol revision for cal/val		International training and outreach		System vicarious calibration	
09:45 Splitter session introduction (Ewa Kwiatkowska, EUMETSAT)		09:45 AOP protocols for field measurement (Giuseppe Zibordi, JRC, EU)		09:45 POGO Capacity Building activities (Shubha Sathyendranath, PML, UK)		09:45 Introduction by session chairs (fix fundamental elements and focus of discussions)	
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)		09:55 IOCCG Training Initiatives (Venetia Stuart, IOCCG Project Scientist)		09:55 General overview of the method currently applied by NASA-OPBG with a focus on constraints 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 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		10:10 General overview of the method currently applied for MERIS with focus on the dual source of in situ reference data (Constant Mazeran, ACRI-ST)	
10:20 Diverse applications and their needs (Stewart Bernard, CSIR)		11:05 Biogeochemistry - lab/field instruments for size of particles (Michael Twardowski, WetLabs, USA)		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)		10:40 Discussion supported by seed questions linked to above talks (limited time for each topic)	
10:30 Discussion		11:25 Discussion		12:00 Wrap-up to recap any action(s) requiring community consideration			
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 - SHAILESH NAYAK (45 min)			Spectrum A			
Challenges and opportunities for the operational use of ocean colour for fisheries							
14:15	COFFEE BREAK (30 min)						
14:45	AFTERNOON SPLINTERS (2 hr 30 min)						
SPLINTER 9	Spectrum A	SPLINTER 10	Spectrum B	SPLINTER 11	Spectrum C	SPLINTER 12	Platinum 2
Co CHAIRS: James Yoder (WHOI, USA), Mark Dowell (JRC, EU) and Stephanie Dutkiewicz (MIT, USA)		Co CHAIRS: Astrid Bracher (Alfred-Wegener-Institute, Germany) and Takafumi Hirata (Hokkaido University, Japan)		Co CHAIRS: Carsten Brockman (Brockman Consult, Germany), Bryan Franz (NASA GSFC), Simon Elliott (EUMETSAT)		Co CHAIRS: Gerhard Meister (NASA GSFC) and Bertrand Fougnie (CNES, France)	
Climate variables and long term trends		Phytoplankton community structure from ocean colour: methods, validation, intercomparisons and application		Satellite data file formats and tools for easy science exploitation		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)		(1) Data file content and formats		14:45 Introduction (Bertrand Fougnie, CNES)	
15:15 Activities of the IOCCG Essential Climate Variable (ECV) Task Team (Jim Yoder, WHOI)		14:50 Update of IOCCG PFT working group (Shubha Sathyendranth, PML, UK)		14:45 NASA's perspective on ocean colour data formats and contentions (Sean Bailey, NASA GSFC)		14:50 OCM-2 calibration and characterization (Samir Pal, ISRO)	
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.		15:00 Overview of PFT satellite products (Astrid Bracher, AWI and Nick Hardman-Mountford, CSIRO, Australia)		15:00 Discussion		15:00 MERIS calibration and characterization (Steven Delwart, ESA/ESRIN)	
16:40 Interactions between the ocean colour and biogeochemical modeling communities (Stephanie Dutkiewicz, MIT)		15:20 In situ/laboratory classification of phytoplankton types – data base: efforts/goals (Lesley Clementson, CSIRO, Australia)		(2) Data processing, analysis and exploitation tools		15:10 OLCI calibration and characterization (Ludovic Bourq, ACRI-ST)	
17:00 Discussion		Validation/Intercomparison of PFT satellite products (Taka Hirata, Hokkaido University and Robert Brewin, PML)		15:20 Processing and validation environment MERMAID and ODESA (Véronique Bruniquel, ACRI-ST, France)		15:20 GOCI calibration and characterization (Seongick Cho, KIOST, Korea)	
		16:00 Cecile Rousseaux-NASA GSFC: Application of PFT satellite products in ecosystem modeling		15:35 SeaDAS and BEAM user tools (Sean Bailey, NASA & Norman Fomferra, Brockman Consult)		15:30 MODIS calibration and characterization (Gerhard Meister, NASA GSFC)	
		16:15 Discussion		15:50 Discussion		15:40 SGLI calibration and characterization (Hiroshi Murakami, JAXA, Japan)	
				(3) Data distribution		15:50 Break	
				16:20 EUMETSAT's means and plans for distributing ocean colour data (Simon Elliott, EUMETSAT)		15:55 GSICS (Tim Hewison, EUMETSAT)	
				(4) Review of recommendations		16:05 IOCCG Calibration Task Force (Ewa Kwiatkowska, EUMETSAT)	
				16:35 Discussion		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	KEYNOTE ADDRESS 4 - STEWART BERNARD (45 min) Issues related to ocean colour in coastal zones and inland waters	Spectrum A
09:15	AGENCY REPORTS, CONTINUED (80 min) 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	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 - CHUCK 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, AOBs (30 min)	Spectrum A
17:30	CONFERENCE ADJOURNS	