

HIGHROC Science conference: Program

	DAY 1: Tuesday 7 Nov.	DAY 2: Wed. 8 Nov.	DAY 3: Thursday 9 Nov.
09:00 - 09:30	Registration	Session: Coastal water applications	training ACOLITE
09:30 - 10:00			Coffee break
10:00 - 10:30	Introduction to HIGHROC	Coffee break	Session: New satellite sensors and algorithms
10:30 - 11:00		Coffee break	
11:00 - 11:30	Coffee break	Session: Satellite data processing	Lunch
11:30 - 12:00	Session: in situ measurements & validation		
12:00 - 12:30	Lunch	Lunch	Final Discussions
12:30 - 13:00			
13:00 - 13:30			
13:30 - 14:00	Session: in situ measurements & validation	Session: New satellite sensors and algorithms	
14:00 - 14:30			
14:30 - 15:00	posters presentation	Coffee break	
15:00 - 15:30		Training SNAP (45 min) + iCOR (45 min)	
15:30 - 16:00			
16:00 - 16:30			
16:30 - 17:00			
17:00 - 17:30			

Tuesday 7 Nov. 2017

09:00 - 10:00	Registration
10:00 - 11:00	Introduction
10:00 – 10:15	Conference Introduction – Practical information, K. Ruddick, H. Lavigne, K. Moreau
10:20 – 10:30	Welcome to the HIGHROC Conference and links to EUMETSAT activities, E. Kwiatkowska
10:30 – 11:00	Overview of the HIGHROC Project, K. Ruddick
11:00 - 11:30	Coffee break
11:30 - 12:30	Session: in situ measurements and validation Chair Kate Collingridge and Ewa Kwiatkowska
11:30 - 11:45	Increasing the satellite match-up numbers with autonomous bio-optical profilers, T. Kutser
11:50 - 12:05	Variability of inherent optical properties of Norwegian waters with implications for satellite product validations, A. B. Ledang
12:10 - 12:25	Verification Of MSI Low Radiance Calibration Over Coastal Waters, Using AERONET-OC Network, Y. Govaerts
12:30 - 14:00	Lunch
14:00 - 15:00	Session: in situ measurements and validation Chair: Kai Sorensen and Ana Dogliotti
14:00 - 14:15	In situ data collection for validation of remote sensing products in the HighROC project, K. Collingridge
14:20 - 14:35	Validation of ocean colour satellite products in European coastal waters as part of the EU-FP7 HIGHROC project, D. Doxaran
14:40 - 15:30	Posters introduction in plenary room / 2 minutes per poster/ Chair: H. Lavigne
15:30 - 17:30	Posters presentation and coffee break
18:00 Ice Breaker cocktail at Hotel Bloom	

Wednesday 8 Nov. 2017

09:00 - 10:35	Session: Coastal water applications David Doxaran and Fabrizio Niro
09:00 - 09:15	Validation of various Sentinel-2 and Sentinel-3 products in optically complex coastal and lake water bodies, J. Attila
09:20 - 09:35	GOCI provides valuable information on brown algae blooms in East China Sea, Y.J. Park
09:40 - 09:55	Using High Resolution Satellite Turbidity And Sea Surface Temperature imagery to Describe River Plume Interactions in the Northern Adriatic Sea, V. Brando
10:00 - 10:15	Innovative satellite-based information provision for assessment of environmental status, M. Eleveld
10:20 - 10:35	Remote sensing analysis of the Tiber River sediment plume (Tyrrhenian Sea): spectral signature of erratic vs. persistent events, F. Falcini
10:40 - 11:00	Coffee break
11:00 - 12:40	Session: Satellite data processing Chairs: Els Knaeps and Constant Mazeran
11:00 - 11:15	Processing large data sets for synergistic analysis of coastal processes – the SNAP batch processing capabilities, C. Lebreton
11:20 - 11:35	Use of DINEOF for ocean colour data applications, A. Alvera Azcarte
11:40 - 11:55	Atmospheric corrections of Sentinel-2 imagery over coastal and continental waters - through the Coastal-TEP, A. Mangin
12:00 - 12:15	Data Cube Service for Copernicus (DCS4COP) - ease the integration, preparation and processing of various data sources for coastal downstream applications, C. Brockmann
12:20 - 12:40	Team Quiz: How well do you know Belgium?
12:40 - 14:00	Lunch
14:00 - 15:40	session: New satellite sensors and algorithms Chair: Young-Je Park and Aida Alvera Azcarate
14:00 - 14:15	Model selection algorithm for Chlorophyll-a content retrieval, K. Blix
14:20 - 14:35	Progress and Performance of the Multiwater Algorithm ONNS, M. Hieronymi
14:40 - 14:55	Evaluation of GOCI atmospheric correction regarding the diurnal observation of ocean color variation, J H Ahn
15:00 - 15:15	The potential use of geostationary MTG/FCI to retrieve Chlorophyll-a concentration at high temporal resolution for the open oceans, H. Lavigne
15:20 - 15:35	Suitability of Proba-V 100 m products for turbidity mapping in coastal areas, L. De Keukelaere
15:40 - 16:00	Coffee break
16:00 - 17:30	Training sessions
16:00 - 16:45	SNAP (plenary room + “living room” floor 8)
16:45 - 17:00	iCOR (plenary room)
Social Event: Group A 19:00 / Group B 20:30, The Escape Hunt Experience Brussels https://brussels.escapehunt.com	

Thursday 9 November 2017

09:00 - 10:00	Training session: ACOLITE (plenary room)	
10:00 - 10:30	Coffee break	
10:30 - 12:05	Session: New satellite sensors and algorithms Chair: Carole Lebreton and H��lo��se Lavigne	
10:30 - 10:45	Atmospheric correction and aquatic applications of Landsat and Sentinel-2 satellite imagery, Q. Vanhellemont	
10:50 - 11:05	The operational method of filling information gaps in satellite imagery using numerical models, M. Koning	
11:10 - 11:25	True colour analysis of natural waters by ocean colour- and HR-sensors, H. Van der Woerd	
11:30 - 11:45	Application of Polymer atmospheric correction to Sentinel-2 data, F. Steinmetz	
11:50 - 12:05	Atmospheric correction and turbidity analyses with C2RCC for Sentinel-2 and Landsat-8 in rivers and coastal areas. K. Stelzer	
12:05 - 13:30	Lunch	
13:30 - 15:00	Final discussions Chair: Kevin Ruddick and Tiit Kutser	
13:30 - 13:40	Conference Prize Giving	
13:40 - 13:45	Introduction to final discussion session, K. Ruddick	
13:45 - 15:00	Reports of session chairs and discussions: what next for coastal water products and services? K. Collingridge, E. Kwiatkowska, K. Sorensen, A. Dogliotti, D. Doxaran, Y.-J. Park, A. Alvera Azcarate, H. Lavigne and C. Lebreton	

Conference posters:

01	L. PEMHA THINA	New scientific and technological advances (measurement in situ and validation) with the Argos system in relation to new generation satellites
02	E. Stierman	Water quality from OLCI for Dutch coastal waters
03	M. Soppa	Evaluation of atmospheric correction algorithms in the extreme absorbing waters of the Laptev Sea
04	J. Kuusk	Fiducial Reference Measurements for Satellite Ocean Colour (FRM4SOC)
05	D. Vansteenwegen	Development of a standalone solar tracking hyperspectral sensor platform
06	K. Ruddick	WATERHYPERNET – A network of hyperspectral radiometers for multi-satellite water reflectance validation
07	R. El Hourany	Estimation of Phytoplankton variability in the Mediterranean Sea using the Diagnostic Pigment Analysis approach and satellite observations
08	A Dogliotti	Detection of floating aquatic plants using high spatial resolution imagery in the Río de la Plata estuary
09	J. Gossn (presented by A. Dogliotti)	Correspondence between in-situ derived water reflectances from Río de la Plata and Kubelka-Munk model in the RED/NIR/SWIR range
10	A Ody	Concentration, transport, fluxes and dynamics of suspended sediments along a continuum from rivers to river plumes using high spatial resolution ocean color satellite data
11	S. Constantin	Dynamics of Suspended Particulate Matter in a Macro-Tidal River Plume (the Gironde) as observed by Ocean Color Satellite Data
12	K. Uudeberg	Estimation of the lakes optical water types from satellites images
13	D. Van der Zande	JMP-EUNOSAT: towards joint monitoring and assessment of eutrophication in the North Sea using satellite products
14	M. Randa (presented by M. Ligi)	Suspended particles characteristics in Pärnu Bay, Baltic Sea
15	S. Marty	Monitoring of Norwegian waters using ferrybox and satellite: the Glomfjord case study.
16	L. Spaias	Clear view on a turbid estuary: An operational service for innovative/integrated management of coastal/marine resources

17	H. Xi	Applicability test on a previously proposed approach for phytoplankton group identification
18	G. Casal	Optical remote sensing for bathymetry and seabed mapping in the coast of Ireland (BaSMal)
19	K. Blix	Model selection algorithm for Chlorophyll-a content retrieval
20	Q. Vanhellemont	A near-shore phytoplankton bloom in Belgian waters observed from space
21	Q. Vanhellemont	Atmospheric correction for coastal and inland water application of very high resolution satellite imagery
22	P. Prasenani	Studies on Intelligent Underwater Image Processing for classification of different Species in Active Zones