5th Sentinel-3 Validation Team Meeting, 7-9 May 2019, ESA-ESRIN Frascati, Italy				
07 May 2019				
8.10-09.00 Registration				
09.00-10.30	Welcome and introduction ; **J. Aschbacher , H.Laur**			
	Organisation and logistics ; **S. Mecklenburg**			
	Sentinel-3 Mission Status, and data access ; **S. Mecklenburg, H. Wilson**			
	S3A-B OLCI instrument, L1, L2 marine, L2 land status ; **S. Dransfeld, E. Kwiatkowska**			
	S3A-B SLSTR Instrument, L1, L2 marine, L2 land status ; **S. Dransfeld, A. O'Carroll**			
	L2 atmospheric products status ; **J. Chimot, S. Pinnock**			
10.25-10.55	**Coffee Break**			
10.55-12.20	S3A-B SRAL+MWR Instrument, L1, L2 marine, L2 land status ; **P. Féménias, R. Scharroo**			
	S3A-B Tandem ; **Craig Donlon**			
	S3 MPC Overview **; Jérôme Bruniquel**			
	S3 Marine Mission Status **– EUMETSAT, Estelle Obligis**			
	Q&A			
12.20-13.20	**Lunch**			
	Altimetry (Room D)	**Land, Ocean Colour, Temperature, Atmosphere (Magellan)**		
13.20-15.20	Assessment of the Sentinel-3 Topography constellation performances over Ocean ; **Matthias Raynal - CLS**	Sentinel-3 A & B OLCI Instrument Calibration Status ; **Ludovic Bourg - ACRI**		
	Performance assessment of the Sentinel3 constellation MWR geophysical parameters ; **Marie-laure Frery - CLS**	Sentinel-3 SLSTR A & B - Performance and Calilbration Status ; **Dave Smith - RAL**		
	Performance of the Sentinel-3 Constellation Over Inland Waters ; **Nicolas Taburet - CLS**	Using OLCI lunar Observation for a radiometric performance assessment ; **Alessandro Burini - EUM**		
	The commissioning of the Sentinel-3B altimeter mission ; **Remko Scharroo - EUMETSAT**	Sentinel-3 Tandem Phase: Preliminary Validation Results for OLCI and SLSTR **; Alessandro Burini - EUM**		
	Discussion	Copernicus Sentinel-3 Ocean and Land Colour instrument Tandem Phase Analysis ; **Nicolas Lamquin - ACRI**		
		Sentinel-3 OLCI Level 2 cloud flagging status and potential improvements ; **Jan Wevers - Brockmann Consult**		
		The iCOR Sentinel-3 atmospheric correction plug-in ; **Sindy Sterckx - VITO**		
15.20-15.40	**Coffee Break**			
	Altimetry (Room D)	**Land, Temperature, Atmosphere (Magellan)**	**Ocean Colour (James Cook)**	
15.40-17.30	Sentinel-3 A&B constellation now in DUACS: first results and perspectives ; **Yannice Faugère - CLS**	Sentinel-3 SLSTR Traceability and Calibration ; **Dave Smith - RAL**	Results and Conclusions From the Fiducial Reference Measurements For Satellite Ocean Colour (FRM4SOC) Project ; **Riho Vendt - University of Tartu**	
	Overview of Global Altimetry Based L2P/L3 Sea Level and Significant Wave Height Products ; **Sabine Philipps - CLS**	Inter-band co-registration Analysis of SLSTR TIR channels ; **Mireya Etxaluze - RAL**	Validation of operational OLCI data stream in Copernicus Marine Environment Monitoring Service; **Vittorio Brando - CMEMS**	
	Assessing The Performance Of Sentinel-3 PLRM Waveform Re-tracking In The Coastal Zone ; **Christine Gommenginger - NOCS**	Verification of S3A/SLSTR solar channel against simulated radiances over Libya-4 ; **Yves Govaerts - Rayference**	NOAA Ocean Color Team Activities: Evaluation of Sentinel-3 OLCI Ocean Color Products ; **Menghua Wang - NOAA**	
	Accuracy of Sentinel-3 SRAL observations near the coast of southwest England ; **Francesco Nencioli - PML**	SLSTR Cloud masks validation using deep learning paradigms with Landsat-8 band comparisons **; Alessandro Bruno - INAF-IASF**	OLCI level-2 product validation status and level-3 intercomparison ; **Thomas Jaegler - ARCTUS**	
	Discussion	Preliminary analysis of full mission SLSTR-A L1 reprocessing ; **Igor Tomazic - EUM**	Sentinel3-A/B OLCI Ocean Colour Product Validation with in Situ Measurements ; **Ilaria Cazzaniga - EUMETSAT**	
			First Results From WATERHYPERNET - a Network of Hyperspectral Radiometers for Multi-satellite Water Reflectance Validation adapted to Sentinel-3ABCD ; **Kevin Ruddick - RBINS**	
17.30-19.00	**Poster session e Cocktail (Big Hall)**			

08 May 2019					
	Altimetry (Room D)	**Land (James Cook)**	**Ocean Colour (Magellan A)**	**Temparature (Room E)**	**Atmosphere (Magellan B)**
09.00-10.50	Ongoing Sentinel-3 Altimetry Studies at National Oceanography Centre ; **Christine Gommenginger - NOCS**	Evaluation of Sentinel-3A and Sentinel-3B OLCI FAPAR ; **Olivier Morgan - JRC**	OLCI C2RCC – Water Processing in the Ground Segment Processor and in SNAP ; **Carole Lebreton - Brockmann Consult GmbH**	Overview of the SLSTR MDBs ; **Igor Tomazic, EUMETSAT**	New Products of Global Atmospheric or Sentinel-3 ; **Dr. P. North, University of Swansea**
	Tide gauge, transponder, and NRT product validations of Sentinel-3A and 3B altimetry ; **Eric Leuliette - NOAA**	Validation of Sentinel-3 OGVI fAPAR product with Fiducial Reference Measurement upscaled using Sentinel-2/MSI data in the context of the FRM$VEG project ; **Fernando Camacho - EOLab**	Validation of OLCI Ocean Colour Products across the Atlantic Ocean from Ship-based Discrete Water Samples, Radiometric Underwater Light Stations and Underway Inherent and Apparent Optical Properties Measurements ; **Astrid Bracher - AWI**	Independent validation of Sentinel-3 SLSTR sea surface temperature products ; **Gary Corlett, EUMETSAT**	SLSTR Products From the Optimal Retrieval of Aerosol and Cloud ; **Dr. Adam Poveys, National Centre of Earth Observation**
	Calibration of Sentinel-3A&B During the Tandem Phase Over the Corsica Facilities ; **Pascal Bonnefond - Observatoire de Paris**	Validation of OLCI Terrestrial Chlorophyll Index (OTCI) using a combination of direct and indirect methods ; **Jadu Dash - University of Southampton**	Machine Learning For Monitoring Arctic Waters By Using Sentinel 3 OLCI ; **Katalin Blix - Uit The Arctic University Of Norway**	Trusted Fiducial Reference Measurements: Operational deployments ; **Marc Lucas, CLSc**	Towards a consistent retrieval of cloud/aerosol single scattering properties and surface reflectance ; **Ir Marta Luffarelli, Rayference**
	Sentinel-3 altimetry calibration and validation in Bass Strait and around Australia ; **Benoit Legresy - Univ of Tasmania**	The Sentinel-3 SYN product for biophysical variables retrieval: an assessment ; **Jochem Verrelst - University of Valencia**	Validation of S3-OLCI Water Reflectance and Turbidity Derived from Standard, C2RCC and BLR Processors in Complex Turbid Waters of Río de la Plata (Argentina) ; **Ana Dogliotti - IAFE**	Discussion on validation with MDBs and drifting buoys	Retrieval of aerosol optical thickness from OLCI/Sentinel-3 ; **Dr. Linlu Mei, University of Bremen (IUP-UB)**
	The impact of the assimilation of S3B wave data in CMEMS global wave system ; **Lotfi Aouf - Meteo-France**		Sentinel-3a performance: radiometry and retrieval of biogeophysical properties of coastal waters in British Columbia, Canada ; **Maycira Costa - University Of Victoria**		COWA: Evolution of the Sentinel-3 OLCI Total Column Water Vapour Product ; **Dr. Rene Preusker, FU Berlin**
10.50-11.10	**Coffee Break**				
11.10-12.40	Discussion on Sea Level and SWH	Validation of Land Surface Temperature from Sentinel-3 ; **Darren Ghent - Leicester University**	Performance of Sentinel-3 OLCI products over optically complex inland and coastal waters ; **Krista Alikas - University Of Tartu**	Comparison of Sentinel-3 SLSTR derived SST with ship-based M-AERI measurements ; **Peter Minnett, RSMAS, University of Miami**	Progress in Delivering the Operational Sentinel-3 SLSTR Active Fire and Fire Radiative Power (FRP) Products ; **Dr. Martin Wooster, King's College London, NERC**
		Consistency analysis between Sentinel-3 SLSTR and MSG SEVIRI LST Products ; **Sofia L. Ermida - IPMA**	Development of a DIAS water quality processing chain and validation for Swiss lakes ; **Daniel Odermatt - EAWAG**	Sentinel-3 SLSTR SST validation using a Fiducial Reference Measurements (FRM) service ; **Werenfrid Wimmer, University of Southampton**	Discussions: Recommendation for S3 Atmospheric products
	On the performance of Sentinel-3A and Sentinel-3B on-board radiometers and corresponding wet path delays ; **Joana Fernandes - Univ of Porto**	Field-scale Estimates of Actual Evapotranspiration derived with Sentinel-3 and Sentinel-2 Observations ; **Radoslaw Guzinski - DHI GRAS**	S3 OLCI Based WFD Status Assessment of Swedish Coastal Water Bodies ; **Petra Philipson - Brockmann Geomatics Sweden AB**	Discussion of validation with radiometers	
	Impact of tide gauge - altimeter footprint separation on bias estimation of Sentinel-3A altimetry over the Great Lakes ; **Alexander Braun - Queen's University**	Validation of Copernicus Sentinel-2 Level-2A Product and Potential Synergy with Sentinel-3 Product Validation ; **Bringfried Pflug - DLR**	Evaluation of Sentinel-3A OLCI Baltic Sea standard water products and products derived using the Case2Regional CoastColour SNAP-processor with the regional TSM-specific scatter ; **Susanne Kratzer - Stockholm University**		
			Migration of the MERIS FUB Coastal Water Processor to Sentinel-3 OLCI ; **Thomas Schroeder - CSIRO**		

12.40-13.40	Lunch				
13.40-15.50	Water level retrieval from the Sentinel-3 mission ; **Luciana Fenoglio - Bonn's University**	Consistency Analysis between S-3A&B VGT-P and VGT-S Products and PROBA-V ; **Carolien Toté - VITO**	Radiometric validation of Sentinel-3A products in the Atlantic Ocean, Baltic Sea and Western English Channel ; **Gavin Tilstone - PML**	Monitoring upwelling events in the Baltic Sea through SST - problems with cloud detection ; **Sampsa Koponen, Finnish Environment Institute (SYKE)**	
	Evaluation of Sentinel-3 SRAL SAR Altimetry over Inland water bodies – Performances, Problems and Implications ; **Karina Nielsen - DTU**	S-3 Synergy Products and Processing Branches: Quality Assessment of L2 Surface Reflectance and SYN-VGT-like Products ; **Claire Henocq - ACRI**	Radiometric qualification of OLCI for Mediterranean, Baltic and Black Seas ; **Vittorio Brando - CMEMS**	Validation of reprocessed SLSTR data against Argo using a state of the art diurnal warming model ; **Andrew Harris, University of Maryland**	
	Sea Ice, and Transponder Validations of Sentinel-3A and -3B Altimetry ; **Alejandro Egido - NOAA**	Evaluation of Sentinel-3 Synergy Surface Reflectance Product ; **Eric Vermote - NASA**	Assessment of OLCI Full Resolution data for coastal and transitional sites in the Mediterranean and Atlantic Seas based on hand-held radiometry ; **Vittorio Brando - CNR**	Discussion on SST applications	
	Copernicus POD Service: Validation Of Copernicus Sentinel-3 Orbits ; **Heike Peter - POSITIM**	Sentinel-3 OLCI and Synergy Level 2 Proucts Benchmark **; Bernardo Mota - JRC**	Copernicus In Situ Database for Bio-Optical in situ Measurements ; **Ilaria Cazzaniga - EUMETSAT**		
	Transponder and Sea-Surface Calibration of Sentinel-3A and Sentinel-3B altimeters with the Permanent Facility for Altimeter Calibration in west Crete, Greece. ; **Stelios Mertikas - Univ of Crete**	Progress in Airborne Validation of SLSTR Fire Radiative Power Observations in Preparation for the Sentinel-3 FRP Product ; **Martin Wooster - King's College London / NERC NCEO**	Discussion on in situ data base		
	Discussion on MWR, WSH, POD, TRP		Discussion on matchup protocols		
15.50-16.10	Coffee Break				
	Altimetry (Room D)	**Land (James Cook)**	**Ocean Colour, Atmosphere (Magellan A)**	**Temparature (Room E)**	
16.10-17.30	Poster 5' presentation: The first three years of Sentinel-3 altimetry ; **Remko Scharroo - EUMETSAT**	Validation of OLCI and SLSTR-derived cloud, snow and ice retrievals ; **Jason Box - GEUS**	Revised Bright Pixel Correction for Sentinel-3 OLCI ; **Constant Mazeran - SOLVO**	General discussion and formation of recommendations	
	Poster 5' presentation: The Accuracy of GPS Buoy in the Determination of Sea Surface Height ; **Zhai Wanlin - National Ocean Technology Center**	Using High Resolution Satellite Observations (Reference Data) to estimate S-3 Snow Products ; **Igor Appel - TAG LLC**	Performance comparisons of various atmospheric corrections for OLCI and implications for the subsequent in-water processor ONNS ; **Hajo Krasemann - HZG**		
	Poster 5' presentation: CMEMS Near-Real-Time Wave Products: Integration and Impact of Sentinel-3 Missions ; **Yannice Faugère - CLS**	SYN L1 Tool Development Status ; **Carsten Brockmann, Marco Peters Brockmann Consult**	Evaluation of Five Atmospheric Correction Algorithms over French Optically-Complex Waters for the Sentinel-3A OLCI Ocean Color Sensor ; **Cédric Jamet - Laboratoire D'océanologie Et De Géosciences**		
	Discussion	Sentinel-3 for global snow monitoring – status, challenges, open issues ; **Thomas Nagler,G, Schwaizer, J. Nemec, J. Ossowska**	Validation of OLCI's Aerosol Optical Thickness and Angstroem Products ; **Rene Preusker - Freie Universität Berlin**		
17.30-	Poster session				
19.00:	Dinner Restaurant CACCIANI				

09 May 2019					
	Altimetry (Room E)	**Land (James Cook)**	**Ocean Colour (Magellan A)**	**Temparature**	**Atmosphere**
09.00-12.00	Discussion on S3VT#5 ALT recommendations and preparation of wrap-up notes	Super-Resolution Restoration of Sentinel-3 imagery using the UCL MAGIGAN System ; **Yu Tao - UCL**	EUMETSAT Copernicus Marine Training and User Support ; **Hayley Evers-King, PML/EUMETSAT**		
	Discussion on pre-prepared subjects	GBOV: A copernicus service for the validation of Sentinel-3 Land Products **; Christophe Lerebourg - ACRI**	Sentinel-3 OLCI Inherent Optical Properties ; **Hubert Loisel - Laboratoire D'océanologie Et De Géosciences**		
	Open discussion and Conclusions	Land Group Discussion and Conclusions	Retrieval of the water-leaving Fluorescence from OLCI data ; **Lena Kritten - Freie Universität Berlin**		
			Sentinel-3B OLCI System Vicarious Calibration ; **Alexis Deru - ACRI-ST**		
			Open discussion and formulation of findings and recommendations		
12.00-13.00	Lunch				
13.00-16.00	Plenary wrap up session				