

Poster #	Title	Authors	Affiliation
A) Methodologies, algorithms, processing techniques, performance and tools			
1	Sentinel-3 Mission Performance Centre: Ensuring a High-quality Altimetric Dataset	Quartly, Graham (1); Labroue, Sylvie (2); Shepherd, Andrew (3); Baker, Steve (3); Roca, Monica (4); Cretaux, Jean-Francois (5); Remy, Frédérique (5); Abdalla, Saleh (6); Picard, Bruno (2); Valladeau, Guillaume (2); Féménias, Pierre (7) 1: Plymouth Marine Laboratory, United Kingdom; 2: CLS, France; 3: Centre for Polar Observation and Modelling, UK; 4: isardSAT, Spain; 5: LEGOS, Toulouse, France; 6: ECMWF, UK; 7: ESA	
2	CryoSat-2: data quality, product evolutions and activities in support to the Sentinel-3 Topography Mission	Bouffard, Jerome (1); Femenias, Pierre (2); Parrinello, Tommaso (2); Bojkov, Bojan (2) 1: ESA / RHEA, Italy; 2: ESA, Italy	
3	Sentinel-3 SAR Altimetry Toolbox - Scientific Exploitation of Operational Missions (SEOM) Program Element	Benveniste, Jérôme (2); Lucas, Bruno (1); Dinardo, Salvatore (3) 1: Deimos/ESRIN, Frascati, Italy; 2: European Space Agency, Frascati, Italy; 3: Serco/ESRIN, Frascati, Italy	
4	Development of Tasseled Cap Transformation for future sensors	Baig, Muhammad Hasan Ali Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, People's Republic of China,	
5	Generation of Sentinel-3 scientifically meaningful SAR mode Data Sets using simulated and CryoSat-2 real data	Amarouche, Laiba (1); Vernier, Anne (1); Urien, Stéphanie (1); Jourdain, Sylvain (1); Sicard, Philippe (1); Raynal, Matthias (1); Rebhan, Helge (2); Mavrocordatos, Constantin (2); Femenias, Pierre (3); Dinardo, Salvatore (3); Picot, Nicolas (4); Boy, Francois (4); Houpert, Alexandre (5) 1: CLS, France; 2: ESA, ESTEC, Netherland; 3: ESA, ESRIN, Italy; 4: CNES, France; 5: TAS, France	
6	Regional CalVal of Jason-2, Envisat and SARAL/Altika at Non-Dedicated Sites, in Preparation of Sentinel-3	Cancel, Mathilde (1); Watson, Christopher (2); Haines, Bruce (3); Bonnefond, Pascal (4); Jeansou, Eric (1); Lyard, Florent (5); Féménias, Pierre (6); Guinle, Thierry (7) 1: NOVELTIS, France; 2: University of Tasmania, Australia; 3: JPL/NASA, USA; 4: OCA/GeoAzur, France; 5: LEGOS/OMP/CNRS, France; 6: ESA/ESRIN, Italy; 7: CNES, France	
7	Temporal Response of NDVI to Precipitation in Northeast India (2001-2010)	Changkakati, Trishna Gauhati University, India	
8	SAR Altimetry Processing on Demand Service for CryoSat-2 and Sentinel-3 at ESA G-POD	Dinardo, Salvatore (1); Lucas, Bruno (2); Benveniste, Jerome (3) 1: Serco/ESRIN, Frascati, Italy; 2: Deimos/ESRIN, Frascati, Italy; 3: European Space Agency, Frascati, Italy	
9	TOUCAN: Toolset for Optical Sensor Calibration and Analysis	Emsley, Stephen Michael; Barker, Kathryn; Hunter, Kelvin ARGANS Limited, 1 Davy Road, Tamar Science Park, Derriford, Plymouth, PL6 1BX, United Kingdom	
10	CryoSat-2 for Coastal Altimetry, SARin Mode investigations.	García-Arnaud, Pablo Nilo isardSAT S.L., Spain	
11	SRAL Calibration of Scientific Parameters Using World Wide Transponders (SALCALTRA)	Garcia-Mondejar, Albert (1); Mertikas, Stelios (4); Pierdicca, Nazzareno (3); Mattioli, Vinia (3); Martínez Val, Bernat (1); MingSen, Lin (2); HaiLong, Peng (2); Wei, Guo (5); Caiyun, Wang (5); Roca, Mònica (1) 1: isardSAT, United Kingdom; 2: National Satellite Ocean Application Service, NSOAS; 3: La Sapienza University of Rome; 4: Technical University of Crete; 5: Laboratory of Microwave Remote Sensing (MiRS Lab)	
12	The SailBuoy remotely-controlled unmanned vessel: Measurements of near surface temperature, salinity and oxygen concentration in the Northern Gulf of Mexico	Ghani, Mahmud Hasan Norwegian meteorological institute, Norway	
13	Performance Assessment of Water Insight SpectroPhotometer with Three Channels (WISP-3) against the Standard of Ocean Optics Protocols	Ghezehegn, Semhar Ghebrehiwot (1); Ansko, Ilmar (2); Kuusk, Joel (2); Hommersom, Annelies (1); Lannen, Marnix (1) 1: Water Insight, Netherlands, The; 2: Tartu Observatory, Estonia	
14	The Sentinel Online Website: a support resource for Users	Jackson, Jan (1); Garnesson, Philippe (2); Martinez-Val, Bernat (3); Veci, Luis (4); Blanot, Laurent (2); Delwart, Steven (5); Gascon, Ferran (5); Huck, Anica (5); Giuseppe, Troina (5) 1: ARGANS Ltd, United Kingdom; 2: ACRI-ST, France; 3: isardSAT, Spain; 4: Array System Computing Inc, Canada; 5: ESA-ESRIN	
15	LOTUS— Preparing Sentinel-3 Ocean and Land SAR Altimetry Processing for Copernicus	Knudsen, Per DTU Space, Denmark	

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16	Study of Effects of Lossy Image Compression on Proba-V 100 m Images and Products	Marsetič, Aleš (1); Čotar, Klemen (2); Veljanovski, Tatjana (1); Oštir, Krištof (1,2)	1: Research Centre of the Slovenian Academy of Sciences and Arts (ZRC SAZU), Slovenia; 2: Slovenian Centre of Excellence for Space Sciences and Technologies (SPACE-SI), Slovenia
17	DIODE/DEM lessons learned from Jason-2	Martin-Puig, Cristina (1); Leuliette, Eric (1); Lillibridge, John (1); Roca, Mònica (2)	1: NOAA Laboratory for Satellite Altimetry; 2: isardSAT Ltd
18	A permanent altimeter calibration site with a prototype transponder for the Sentinel-3, Jason-2, and Cryosat-2 missions	Mertikas, Stelios (1); Mavrocordatos, Constantin (2); Parrinello, Tommaso (3); Assimonis, Stelios (4); Féménias, Pierre (3); Fornari, Marco (2); Tripolitsiotis, Achilles (4)	1: Technical University of Crete, Greece; 2: European Space Agency, ESTEC, The Netherlands; 3: European Space Agency, ESRIN, Italy; 4: Space Geomatica Ltd., Greece
19	A Critical Review of Sentinel-3 Metadata for Scientific and Operational Applications	Pons Fernández, Xavier; Zabala Torres, Alaitz; Domingo Marimon, Cristina	Grumets Research Group. Dep Geografia. Universitat Autònoma de Barcelona, Spain
20	The Sentinel-6 (Jason-CS) Poseidon-4 Ground Prototype Processor: Processing Description and comparison with CryoSat and Sentinel-3, and Results with ESA simulated Test Data delivered to users	Roca, Mònica (1); Garcia-Mondéjar, Albert (1); Escolà, Roger (1); Moyano, Gorka (1); Garcia, Pablo Nilo (2); Martínez, Bernat (2); Martin-Puig, Cristina (2); Ray, Chris (2)	1: isardSAT UK; 2: isardSAT Cat
21	Experiences with Sentinel-3 Optical Sensor L1 and L2 Products	Tomazic, Igor; Bonekamp, Hans; Kwiatkowska, Ewa; Montagner, Francois; O'Carroll, Anne; Santacesaria, Vincenzo	Eumetsat, Germany
22	The SAR Altimeter Precision Verification by Airborne Experiment	XU, Ke; YANG, Shuangbao; LIU, Peng; SHI, Lingwei; WANG, Lei; YU, Xiufen	National Space Science Center, Chinese Academy of Sciences, People's Republic of China
23	Numerical Performance of Data Processor and Retracker of SAR Altimeter	Yang, Shuangbao (1); Xu, Ke (1); Liu, Peng (1,2); Shi, Lingwei (1); Wang, Lei (2); Yu, Xiufen (1)	1: National Space Center, Chinese Academic Sciences, China, People's Republic of; 2: The Graduate University of the Chinese Academy of Sciences, China
24	SNAP (Sentinel Application Platform) and the ESA Sentinel 3 Toolbox	Zühlke, Marco (1); Fomferra, Norman (1); Brockmann, Carsten (1); Peters, Marco (1); Vecchi, Luis (2); Malik, Julien (3); Regner, Peter (4)	1: Brockmann Consult GmbH, Germany; 2: Array System, Canada; 3: C-5 France; 4: ESA ESRIN, Italy
25	Theoretical Assessment of the Sea State Bias for Doppler Altimetry	Amarouche, Laiba (1); Urien, Stéphanie (1); Dubois, Pierre (1); Tran, Ngan (1); Labroue, Sylvie (1); Guillot, Amandine (2); Boy, François (2); Picot, Nicolas (2)	1: CLS, France; 2: CNES, France
26	Validation of the new DCORE retracker on CryoSat-2 PLRM data for the future validation of Sentinel-3 SAR mode using PLRM mode	Amarouche, Laiba (1); Zawadzki, Lionel (1); Vernier, Anne (1); Raynal, Matthias (1); Moreau, Thomas (1); Dibarboue, Gerald (1); Labroue, Sylvie (1); Poisson, Jean-Christophe (1); Boy, François (2); Picot, Nicolas (2)	1: CLS, France; 2: CNES, France
27	Sentinel-3 Mission Performance Implementations at EUMETSAT	Bonekamp, Hans; O'Carroll, Anne; Kwiatkowska, Ewa; Scharroo, Remko; Tomazic, Igor; Nogueira Loddó, Carolina; Santacesaria, Vincenzo; Montagner, Francois	EUMETSAT, Germany
28	The new IOP and GOP ocean products from CryoSat-2 and their relevance to Sentinel-3	Calafat, Francisco M. (1); Cipollini, Paolo (1); Snaith, Helen (1,2); Bouffard, Jérôme (3); Féménias, Pierre (3); Parrinello, Tommaso (3)	1: National Oceanography Centre, Southampton, United Kingdom; 2: British Oceanographic Data Centre, Southampton, United Kingdom; 3: ESA/ESRIN, Frascati, Italy
29	Mapping sea water quality in the Malta channel by means of remotely sensed data and HF Radar-derived surface water currents	Capodici, Fulvio (1); Ciraolo, Giuseppe (1); Cosoli, Simone (2); Drago, Aldo (3); Gacic, Miroslav (2); Maltese, Antonino (1)	1: Dipartimento di Ingegneria Civile, Ambientale, Aerospaziale, dei Materiali (DICAM) - Università di Palermo, Italy; 2: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Italy; 3: Physical Oceanography Unit, IOI-Malta Operational Centre, University of Malta, Malta
30	Ocean Color Remote Sensing of Atypical Marine Cases	D'Alimonte, Davide (1); Kajiyama, Tamito (2); Saptawijaya, Ari (2,3)	1: Center for Marine and Environmental Research CIMA, University of Algarve, Faro, Portugal; 2: DI/FCT, Universidade Nova de Lisboa, Quinta da Torre, Caparica, Portugal; 3: Fakultas Ilmu Komputer, Universitas Indonesia, Indonesia

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31	Evaluation of two sites for Ocean Color Validation in the Turbid waters of the Río de la Plata (Argentina)	Dogliotti, Ana Ines (1); Gossn, Juan Ignacio (1); Vanhellemont, Quinten (2); Ruddick, Kevin (2)	1: Instituto de Astronomía y Física del Espacio (IAFE) CONICET/UBA, Argentine Republic; 2: Royal Belgian Institute of Natural Sciences, Operational Directorate Natural Environment, Belgium
32	Comparison Between Estimates for Chlorophyll a and Total Suspended Matter from Optical Readings with the WISP-3 Handheld Radiometer and Measurements from Water Samples at an Offshore Concession for Aquaculture off the SW Coast of Portugal	Fragoso, Bruno (1,2,3); Ghebrehiwot, Semhar (4); Laanen, Marnix (4); Icely, John (1,2)	1: Sagremarisco Lda, Portugal; 2: CIMA-FCT, Universidade do Algarve, Portugal; 3: University of Cadiz, Spain; 4: Water Insight BV, Netherlands
33	Regional Ocean Colour Remote Sensing Algorithm for the Baltic Sea	Hieronymi, Martin (1); Müller, Dagmar (1); Krasemann, Hajo (1); Schönfeld, Wolfgang (1); Röttgers, Rüdiger (1); Doerffer, Roland (1,2)	1: Helmholtz-Zentrum Geesthacht, Germany; 2: Brockmann Consult, Germany
34	Pushing the Limits of MERIS Atmospheric Correction over Turbid Waters	Huot, Jean-Paul (1); Mazeran, Constant (2); Moore, Gerald (3)	1: ESA-ESTEC, The Netherlands; 2: Solvo, France; 3: Bio-Optika, UK
35	Citclops, a Citizens Observatory for Coast and Ocean Optical Monitoring	Jeansou, Eric (1); Price, Ivan (1); Bernard, Emilien (1); Ceccaroni, Luigi (2); Van De Woerd, Hans (3); Wernand, Marcel (4); Busch, Julia (5); Zielinski, Oliver (5); Piera, Jaume (6); Blaas, Meinte (7); Thijsse, Peter (8); Dubsky, Karin (9); Riera, Oscar (10); Heurman, Rüdiger (11)	1: NOVELTIS, France; 2: BDIGITAL, Spain; 3: Vrije Universiteit Amsterdam, Netherlands; 4: NIOZ, Netherlands; 5: Oldenburg University, Germany; 6: CSIC, Spain; 7: Deltares, Netherlands; 8: MARIS, Netherlands; 9: COASTWATCH, Ireland; 10: Kinetical, Spain; 11: TriOS, Germany
36	Water-leaving Radiance Modeling Based on the MOX Monte Carlo Code for Ocean Color Simulations	Kajiyama, Tamito (1); D'Alimonte, Davide (2)	1: DI/FCT, Universidade Nova de Lisboa, Quinta da Torre, Caparica, Portugal; 2: Center for Marine and Environmental Research CIMA, University of Algarve, Faro, Portugal
37	Retrieval of water inherent optical properties by optimal estimation	Kritten, Lena Katharina; Preusker, Rene	Free University Berlin, Germany
38	An enhanced MWR-based wet tropospheric correction for Sentinel-3: inheritance from past ESA altimetry missions	Lázaro, Clara (1,2); Fernandes, M. Joana (1,2)	1: Faculdade de Ciências, Universidade do Porto, Portugal; 2: Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR/CIMAR), Universidade do Porto, Portugal
39	OLCI aboard Sentinel 3 observations in complement of bio-Argo floats, and reciprocally	Mangin, Antoine (1); Fanton d'Andon, Odile (1); Claustre, Hervé (2); d'Ortenzio, Fabrizio (2)	1: ACRI-ST, France; 2: LOV, France
40	Satellite detection of Harmful algal blooms: method development within the AQUA-USERS project.	Martinez-Vicente, Victor (1); Sá, Carolina (2); Kurekin, Andrey (2); Amorim, Ana (2); Beltrán, Carolina (2); Brito, Ana (2); Brotas, Vanda (2); Veloso, Vera (2); Miller, Peter (1); Eleveld, Marieke (3); Poser, Kathrin (4); Laanen, Marnix (4)	1: Plymouth Marine Laboratory, UK; 2: MARE, University of Lisbon, Portugal; 3: VU University Amsterdam, Netherlands; 4: Water Insight BV, Netherlands
41	Ocean Front Detection from MERIS and OLCI Ocean Colour Data Applied to Marine Conservation and Global Oceanography	Miller, Peter I	Plymouth Marine Laboratory, United Kingdom
42	Indian Ocean SST: Aqua-MODIS and GHRSSST	MOTAH, Beenesh Anand	Mauritius Oceanography Institute, Mauritius
43	Defining a Tide Gauge Network Dedicated to the Validation of Sentinel-3 Missions	Prandi, Pierre (1); Valladeau, Guillaume (1); Ablain, Michael (1); Bonnefond, Pascal (2); Woppelmann, Guy (3); Femenias, Pierre (4)	1: Collecte Localisation Satellites, France; 2: Observatoire de la Côte d'Azur, France; 3: Université de la La Rochelle, France; 4: ESA ESRIN, Italy
44	Quality Assessment of Sentinel-3 Altimeter data through Tide Gauge Comparisons	Prandi, Pierre (1); Valladeau, Guillaume (1); Ablain, Michael (1); Picot, Nicolas (2); Desjonqueres, Jean-Damien (2)	1: Collecte Localisation Satellites, France; 2: CNES, France
45	Improving the altimeter derived geostrophic currents using high resolution Sea Surface Temperature images: A feasibility study.	RIO, Marie-Helene (1); SANTOLERI, Rosalia (1); GRIFFA, Annalisa (2); PITERBARG, Leonid (3)	1: ISAC; 2: ISMAR; 3: USC

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46	Comparison of Standard and Alternative Satellite Ocean-Colour Chlorophyll Products for the Western Iberia coast	Sá, Carolina [1]; D'Alimonte, Davide [2]; Brito, Ana [1]; Kajiyama, Tamito [3]; Mendes, C. Rafael [4]; Vitorino, João [5]; Oliveira, Paulo B. [6]; da Silva, José C.B. [7]; Brotas, Vanda [1] 1: MARE, Universidade de Lisboa, Portugal; 2: CIMA, University of Algarve, Portugal; 3: DI, Universidade Nova de Lisboa, Portugal; 4: FURG, Brazil; 5: IH, Portugal; 6: IPMA, Instituto Português do Mar e da Atmosfera, Portugal; 7: CIMAR/CIIMAR, Portugal	
47	From Particle Characterization to Remote Sensing	Sánchez, Albert-Miquel; Zafra, Eloy; Piera, Jaume Institute of Marine Sciences, Spain	
48	Standard and Regional Bio-optical Algorithms for Chlorophyll <i>a</i> Estimates in the Atlantic off the Southwestern Iberian Peninsula	Cristina, Sónia Vitorino [1,2]; D'Alimonte, Davide [1]; Goela, Priscila Costa [1,2]; Kajiyama, Tamito [3]; Icely, John [1,4]; Moore, Gerald [5]; Fragoso, Bruno Dias Duarte [1,2,4]; Newton, Alice [1,6] 1: CIMA - Centre for Marine and Environmental Research, Portugal; 2: Facultad de Ciencias del Mar y Ambientales - University of Cadiz, Spain; 3: CITI- Departamento de Informática, FCT, Universidade Nova de Lisboa, Portugal; 4: Sagremarisco Lda, Portugal; 5: Bio-Optika, UK; 6: NILU-IMPEC, Norway	
49	Determination of Surface tidal currents characteristics by means of HF-Radar network measurements	Cosoli, Simone [2]; Drago, Aldo [3]; Ciraolo, Giuseppe [1]; Capodici, Fulvio [1]; Gacic, Miroslav [2]; Maltese, Antonino [1] 1: Dipartimento di Ingegneria Civile, Ambientale, Aerospaziale dei Materiali (DICAM), Università di Palermo, Italy; 2: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Italy; 3: Physical Oceanography Unit, IOI-Malta Operational Centre, University of Malta, Malta	
50	PROBA-V In-Flight Geometric Calibration: Assessments and Improvements	Benhadj, Iskander [1]; Mica, Stefano [2]; Jovanovic, Veljko [3]; Dries, Jan C. [1]; Zender, Joe [4]; Santandrea, Stefano [4]; Deronde, Bart, [1]; De Vos, Lieve [5]; Mellab, Karim [4] 1: VITO, Belgium; 2: Advanced Computer Systems (ACS); 3: Jet Propulsion Laboratory (JPL); 4: ESA/ESTEC; 5: Optronics Instruments & Products (OIP)	
51	Sentinels POD Service Operations	Bock, Heike [1]; Fernández, Jaime [2]; Escobar, Diego [2]; Féménias, Pierre [3] 1: PosiTim UG, Germany; 2: GMV AD, Spain; 3: ESA/ESRIN, Italy	
52	Supporting Sentinels POD Service	Bock, Heike [1]; Springer, Tim [1]; Otten, Michiel [1]; Fernández, Jaime [2]; Escobar, Diego [2]; Féménias, Pierre [3] 1: PosiTim UG, Germany; 2: GMV AD., Spain; 3: ESA/ESRIN, Italy	
53	Design of FLEX/Sentinel-3 Mission Simulator and its Reusability to Future Convoy and Tandem Mission Concepts	Vicent, Jorge [1]; Acarreta, Juan Ramón [2]; Tenjo, Carolina [1]; Sabater, Neus [1]; Manzano, María [3]; Rivera, Juan Pablo [1]; Ruiz-Verdú, Antonio [1]; Alonso, Luis [1]; Moreno, José [1]; Franco, Raffaella [4] 1: Image Processing Laboratory, Spain; 2: Deimos Space, Spain; 3: GMV Aerospace & Defence, Spain; 4: ESTEC-ESA, Netherlands	
54	CryoSat to Sentinel-6: Product Evolutions and Quality Revolutions	Scharroo, Remko [1]; Ponsard, Christelle [1]; Martin-Puig, Cristina [2]; Cipollini, Paolo [3]; Bonekamp, Hans [1] 1: EUMETSAT, Germany; 2: NOAA/NESDIS/STAR, Maryland, USA; 3: National Oceanography Centre, UK	
55	Altimeter products for the Sentinel-6/Jason-CS mission	Scharroo, Remko; Bonekamp, Hans; Ponsard, Christelle; Nogueira Loddo, Carolina EUMETSAT, Germany	
56	Evidence of the Added-value of Vegetation Products from Sentinel-3 Precursors to Improve EUMETSAT LSA-SAF Evapotranspiration Product	Barrios, José Miguel; Ghilain, Nicolas; Arboleda, Alirio; Gellens-Meulenberghs, Françoise Royal Meteorological Institute, Belgium	
57	CryoSat to Sentinel-6: Processing Steps and Technology Leaps	Martin-Puig, Cristina [1]; Roca, Mònica [2]; Scharroo, Remko [3]; Cipollini, Paolo [4] 1: NOAA Laboratory for Satellite Altimetry; 2: isardSAT Ltd; 3: EUMETSAT; 4: NOC	
58	Testing VGT data continuity between SPOT and PROBA-V missions for operational yield forecasting in North African Countries	Meroni, Michele [1]; Lahlou, Mouanis [2]; Mahyou, Hamid [3]; Haythem, Ismael [4]; Dali, Mustapha [5]; Fasbender, Dominique [1]; Hooker, Josh [1]; Leao, Olivier [1] 1: Joint Research Centre of European Commission, Italy; 2: Institut Agronomique et Vétérinaire Hassan II, Morocco; 3: INRA, CRRA Oujda, Morocco; 4: Centre National de la cartographie et de la Télédétection, Ministère de la Défense Nationale, Tunisie; 5: Institut National de la Recherche Agronomique d'Algérie (INRAA), Algeria	
59	Observation Impact Studies with Mercator Ocean Analysis and Forecasting Systems	REMY, Elisabeth [1]; BENKIRAN, Mounir [2]; VERRIER, Simon [1]; LE TRAON, Pierre-Yves [1] 1: Mercator Ocean, France; 2: CLS, France	

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60	An Atmospheric Correction algorithm for the FLEX/Sentinel-3 tandem mission	Sabater, Neus; Vicent, Jorge; Alonso, Luis; Tenjo, Carolina; Verrelst, Jochem; Moreno, Jose	University of Valencia, Spain
61	Analyzing the Benefit of the FLEX/Sentinel-3 Tandem Mission Concept for Improved Retrieval of Biophysical Variables	Verrelst, Jochem; Rivera, Juan Pablo; Moreno, Jose	University of Valencia, Image Processing Laboratory (IPL), Spain
B) Land			
62	The Activities of ICPAC Regarding the use of Earth Observation Data for Environmental Monitoring in the Horn of Africa within the Framework of MESA IGAD THEMA	Atheru, Zachary	IGAD Climate Prediction and Applications Centre (ICPAC), Kenya
63	Surface Soil Moisture from Satellite Altimetry - from Cryosat2 to Sentinel3	Berry, Philippa A.M.; Balmbra, Robert	Newcastle University, United Kingdom
64	Spatio-temporal variation of MERIS vegetation biophysical products at global scale	Dash, Jadunandan [1]; Hafez Morsy, Nourhan [1]; Gobron, Nadine [2]	1: University of Southampton, United Kingdom; 2: JRC,Ispra,Italy
65	Evaluating the potential of Sentinel 3 OLCI data to map crop yield in the North Central Plains of China	Dash, Jadunandan [1]; Ogutu, Booker [1]; Duncan, John [1]; Huang, Wenjiang [2]; Ye, Huichun [2]	1: University of Southampton, United Kingdom; 2: Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, Beijing, China
66	Enhancing Landsat-based Mapping of Peatlands in Kyrgyzstan Using Medium Resolution Imagery	Fell, Frank [1]; Heinicke, Thomas [2]; Aljes, Maria [2]; Zeitz, Jutta [2]	1: Informus GmbH, Germany; 2: Humboldt Universität zu Berlin
67	Integration of PROBA-V 300 and 100 m Datasets in the Classification Chain of the Land Cover Component of the ESA Climate Change Initiative: Impacts on Classification Performances	Lamarque, Céline [1]; Bontemps, Sophie [1]; Van Bogaert, Eric [1]; Ramoino, Fabrizio [2]; Arino, Olivier [2]; Defourny, Pierre [1]	1: Université catholique de Louvain, Earth and Life Institute, Belgium; 2: European Space Agency, ESRIN, Italy
68	Assessment of Vegetation Cover Degradation Using Remote Sensing and GIS Techniques along Sudanese Red Sea Coast (From Suakin to Ashad)	Nuri, Atiyat Abdalla [1]; Hamid, Amna Ahmed [2]	1: Red Sea University, Sudan; 2: Remote Sensing Authority. National Center for Research . Sudan
69	Drought Monitoring Using Spatial Technology (A case study of North West Province South Africa)	Nyamugama, Adolph	Agricultural Reseach Council, Institute of soil,water & Climate, South Africa
70	Mapping Paddy Rice Fields in West Java, using multi-temporal MODIS imagery datasets	Sianturi, Riswan Septriayadi [1]; de Bie, C.A.J.M [2]	1: Faculty of Geo-information Science and Earth Observation, Netherlands, 2: Faculty of Geo-information Science and Earth Observation, Netherlands,
71	The Joint Polar Satellite System (JPSS) Vegetation Index Environmental Data Record (EDR)	Vargas, Marco	NOAA, United States of America
72	Satellite Information Useful for Agricultural Use and Disaster Management Situations in Albania	ZORBA, Petrit [1]; Xhokaxhiu, Elvana [2]	1: IGJEUM, Albania; 2: UT, Tirana, Albania
73	An Estimate of the Drought Condition by Using Remote Sensing & GIS Techniques	Khan, Afrasiab	Institute of space technology,, Pakistan
74	Improved Cloud Detection on PROBA-V using MODIS White-sky Albedo Product	Wolters, Erwin L.A.; Swinnen, Else; Dierckx, Wouter	VITO, Belgium

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75	A Prototype Algorithm for Land Surface Temperature Retrieval from Sentinel-3 Mission	Sobrino, José A. (1); Jiménez-Muñoz, Juan C. (1); Soria, Guillem (1); Brockmann, Carsten (2); Ruescas, Ana (2); Danne, Olaf (2); North, Peter (3); Phillipe, Pierre (4); Berger, Michael (4); Merchant, Chris (5); Ghent, Darren (6); Remedios, John (6)	1: University of Valencia, Spain; 2: Brockmann Consult GmbH, Germany; 3: Swansea University, United Kingdom; 4: European Space Agency, Italy; 5: University of Reading, United Kingdom; 6: University of Leicester, United Kingdom
76	Review of Permafrost Monitoring Requirements with Special Emphasis on Sentinel-3 Data	Bartsch, Annett (1,2)	1: ZAMG, Vienna, Austria; 2: Austrian Polar Research Institute, Vienna
77	A Study of Land Surface Albedo Conversion Formulae using Radiative Transfer Modeling of Vegetation	Adams, Jennifer Susan; Gobron, Nadine; Mio, Corrado	Joint Research Centre (JRC), Italy
78	The use of MOD13Q1 for the sugarcane crop identification in Triângulo Mineiro/Alto Paranaíba, Minas Gerais.	Chaves, Michel Eustáquio Dantas (1); Alves, Marcelo de Carvalho (2)	1: Universidade Federal de Lavras - UFLA, Brazil; 2: Universidade Federal de Lavras - UFLA, Brazil
79	Retrieval of Biophysical Canopy Parameters on Sentinel-3 Validation Test Sites using the Earth Observation Land Data Assimilation System and Multiangular Information of MISR	Chernetskiy, Maxim (1); Gobron, Nadine (2); Morgan, Oliver (2); Gomez-Dans, Jose (3); Lewis, Philip (3); Gitelson, Anatoly (4); Schmullius, Christiane (1)	1: Friedrich-Schiller-University, Germany; 2: EC Joint Research Centre, Ispra (VA), Italy; 3: University College London (UCL), United Kingdom; 4: University of Nebraska - Lincoln, USA
80	Operational Monitoring of Evapotranspiration Using MODIS and Ancillary Data	Maselli, Fabio (1); Chiesi, Marta (1); Papale, Dario (2)	1: CNR, Italy; 2: University of Tuscia, Italy
81	A software tool for Modeling hydrometeorological fluxes and surface soil moisture from VNIR/TIR EO Data and a Land Biosphere Model	Petropoulos, Georgios (1); Anagnostopoulos, Vasileios (2)	1: Aberystwyth University, United Kingdom; 2: Distributed and Knowledge Management Systems Lab, National Technical University of Athens, Greece
82	Validation of the MODIS and VIIRS Land Surface Reflectance: Application to Sentinel 3	Roger, Jean-Claude (1); Vermote, Eric (2); Justice, Chris (1); Holben, Brent (2)	1: University of Maryland, United States of America; 2: NASA Goddard Space Flight Center, United State of America
83	Biophysical parameters mapping based on EO imagery	Shelestov, Andrii (1,2,3); Kolotii, Andrii (1,2,3); Camacho, Fernando (4); Skakun, Sergii (2); Kussul, Olga (3)	1: National University of Life and Environmental Sciences of Ukraine, Ukraine; 2: Space Research Institute NASU-SSAU, Ukraine; 3: National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine; 4: Earth Observation Laboratory (EOLAB), Spain
84	Global burned area validation: sampling issues and accuracy measures	Boschetti, Luigi (1); Stehman, Stephen (2); Roy, David (3)	1: University of Idaho, United States of America; 2: SUNY Syracuse, United States of America; 3: South Dakota State University, United States of America
85	Assessment of land surface dynamics based on time series of OLCI-type moderate resolution earth observation data	Gessner, Ursula; Leinenkugel, Patrick; Klein, Igor; Dietz, Andreas; Kuenzer, Claudia	DLR, Germany
86	The International Land Surface Temperature and Emissivity Working Group (ILSTE-WG)	Ghent, Darren (1); Remedios, John (1); Hook, Simon (2); Hulley, Glynn (2); Guillevic, Pierre (2); Trigo, Isabel (3); Yu, Yunyue (4); Pinnock, Simon (5); Schueller, Lothar (6)	1: University of Leicester, United Kingdom; 2: NASA JPL, USA; 3: IPMA, Portugal; 4: NOAA, USA; 5: European Space Agency (ECSAT), UK; 6: EUMETSAT, Germany
87	Active learning techniques for regional scale crop mapping and crop classification based on Proba-V data	Kussul, Nataliia (1,2); Lavreniuk, Mykola (1,4); Skakun, Sergii (1); Shelestov, Andrii (2,3)	1: Space Research Institute NAS Ukraine and SSA Ukraine, Ukraine; 2: National Technical University of Ukraine "Kyiv Polytechnic Institute", Ukraine; 3: National University of Life and Environmental Sciences of Ukraine, Ukraine; 4: Taras Shevchenko National University of Kyiv, Ukraine
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90	Assessment of PROBA-V Data for Discriminating Burned Areas in Minas Gerais state, Brazil	Pereira, Allan Arantes [1,3]; Pereira, José Miguel Cardoso [2]; Carvalho, Luis Marcelo Tavares de [3]	1: Instituto Federal de Ciencia e Tecnologia do Sul de Minas, Brazil; 2: Instituto Superior de Agronomia, Portugal; 3: Universidade Federal de Lavras, Brazil
91	Integration of Proba Burned Area Products with Active Fire Detections to Improve Mapping Capability	Tansey, Kevin [1]; Padilla, Marc [1]; Arellano, Paul [1]; Smets, Bruno [2]; Wolfs, Davy [2]; Lacaze, Roselyne [3]	1: University of Leicester, United Kingdom; 2: VITO, Belgium; 3: HYGEOS, Earth Observation Department, France
92	Monitoring Pasture Production on New Zealand Dairy Farms Using Proba-V and SPOT Vegetation Products.	Tuohy, Michael Patrick; Mansion, Valentin	Massey University, New Zealand
93	Mapping annual cropland at 100 m over Sahelian agrosystems : a knowledge-based data driven approach using PROBA time series	Lambert, Marie-Julie; Waldner, François; Defourny, Pierre	Université Catholique de Louvain, Earth and Life Institute
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94	Snow/ice sheet albedo and snow cover extent products from the ESA Sentinel-3 Ocean Land Color Instrument (OLCI)	Box, Jason E. [1]; Fausto, Robert S. [1]; Citterio, Michele [1]; Andersen, Signe B. [1]; Solberg, Rune [2]; Dumont, Marie [3]; Picard, Gislain [4]; Ryan, Johnny [5]; Fettweis, Xavier [6]; Hubbard, Alun [5]	1: GEUS, Geological Survey of Denmark and Greenland, Denmark; 2: Norwegian Computing Center (NR), Norway; 3: Metéo France-CNRS, Grenoble, France; 4: UGA-CNRS / LGGE, Grenoble, France; 5: Aberystwyth University, Wales; 6: Laboratory of Climatology, University of Liège, Belgium
95	Comparison of the Penetration Effects of Ka/Ku and LRM/SAR Radar Signal into the Arctic Seaice Snowpack	Fleury, Sara [1]; Guerreiro, Kevin [1]; Rémy, Frédérique [1]; Blumstein, Denis [2]; Zakharova, Elena [3]; Kouraev, Alexei [4]	1: LEGOS, France; 2: CNES, LEGOS, France; 3: State Oceanography Institute, St. Petersburg branch, Russia; 4: Tomsk State University, Tomsk, Russia
96	Fine Ice Sheet Margins Topography from Swath Processing of CryoSat SARIn Mode Data	Gourmelen, Noel [1]; Escorihuela, Maria Jose [2]; Shepherd, Andrew [3]; Foresta, Luca [1]; Muir, Alan [4]; Briggs, Kate [3]; Hogg, Anna Elisabeth [3]; Roca, Monica [1]; Baker, Steven [4]; Drinkwater, Mark [5]	1: University of Edinburgh, United Kingdom; 2: isardSAT, Spain; 3: University of Leeds, United Kingdom; 4: University College London, United Kingdom; 5: ESA-ESTEC, Netherlands
97	Separating Snow and Ice Fluctuations in Satellite Altimetry Using Models of Firn Elevation Change	Leeson, Amber Alexandra	University of Leeds, United Kingdom
98	Synergies of ESA's Sentinel-3 and NASA's ICESat-2 and Operation IceBridge for Cryospheric Sciences	Markus, Thorsten; Neumann, Tom; Studinger, Michael; Kurtz, Nathan	NASA Goddard Space Flight Center, United States of America
99	Preparations for Snow Cover Monitoring Using Sentinel-3 SLSTR and OCLI	Nagler, Thomas; Ripper, Elisabeth; Bippus, Gabriele; Rott, Helmut; Malcher, Petra	ENVEO, Austria
100	CryoSat-2 Arctic Sea-Ice Thickness: Uncertainties and Outlook	Ricker, Robert [1]; Hendricks, Stefan [1]; Helm, Veit [1]; Haas, Christian [2]	1: Alfred Wegener Institute Helmholtz-Center for Polar and Marine Research, Bremerhaven, Germany; 2: York University, Toronto, ON, Canada
101	Exploitation of the Delay/Doppler Mode Over Sea Ice and Ice Sheets	Thibaut, Pierre [1]; Moreau, Thomas [1]; Aublanc, Jérémie [1]; Poisson, Jean-Christophe [1]; Guillot, Amandine [2]; Picot, Nicolas [2]	1: CLS, France; 2: CNES, France

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106	River Systems Classification - Towards Inland Water Height Retrieval from Sentinel3	Berry, Philippa A.M. [1]; Smith, Richard G. [2]; Salloway, Mark K. [3] 1: Newcastle University, United Kingdom; 2: De Montfort University, United Kingdom; 3: National University of Singapore	
107	G-REALM: The USDA/NASA Global Reservoir and Lake Monitor	Birkett, Charon [1]; Beckley, Brian [2]; Yang, Xu [2]; Ricko, Martina [2]; Reynolds, Curt [3] 1: University of Maryland, United States of America; 2: SGT; 3: USDA/FAS	
108	Benefits of SAR Altimetry in Qinghai-Tibet Plateau Lake Level Measurements	Garcia-Mondejar, Albert [1]; Martínez Val, Bernat [1]; Escorihuela, Mª José [1]; García, Pablo Nilo [1]; Yang, Jungang [3]; Liao, Jingjuan [2]; Roca, Mònica [1] 1: isardSAT, United Kingdom; 2: Center for Earth Observation and Digital Earth; 3: First Institute of Oceanography, SOA	
109	Modelling Primary Productivity Time Series with Simple Bio-Optical Model in Some Large European Lakes.	Kauer, Tuuli [1]; Kutser, Tiit [1]; Danckaert, Thomas [2]; Arst, Helgi [1]; Nõges, Tiina [3]; Wüest, Johny [4] 1: Estonian Marine Institute, Estonia; 2: Belgian Institute for Space Aeronomy, Belgium; 3: Centre for Limnology, Estonia; 4: Eawag: Swiss Federal Institute of Aquatic Science and Technology, Switzerland	
110	CRUCIAL: Cryosat-2 Success over Inland Water and Land: Full Bit Rate Altimetric Heights and Validation	Moore, Philip [1]; Berry, Philippa [1]; Birkinshaw, Stephen [1]; Balmbra, Robert [1]; Lucas, Bruno Manuel [2]; Dinardo, Salvatore [3]; Benveniste, Jerome [4] 1: Newcastle University, United Kingdom; 2: Deimos/ESRIN, Italy; 3: Serco/ESRIN, Italy; 4: ESA/ESRIN, Italy	
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112	Robust Estimation of CryoSat-2 Based lake levels	Nielsen, Karina; Stenseng, Lars; Andersen, Ole; Villadsen, Heidi; Knudsen, Per DTU Space, Denmark	
113	Remotely sensed biodiversity indicators for 300 lakes worldwide in 2002-2012	Odermatt, Daniel [1]; Brockmann, Carsten [2]; Philipson, Petra [3]; Paganini, Marc [4] 1: Odermatt & Brockmann GmbH, Switzerland; 2: Brockmann Consult GmbH, Germany; 3: Brockmann Geomatics, Sweden; 4: ESA ESRIN, Italy	
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115	Global Lakes Sentinel Services: Monitoring water quality trends in deep, clear lakes to detect causes and effects of changes in trophic status	Poser, Kathrin [1]; Peters, Steef [1]; Hommersom, Annelies [1]; Giardino, Claudia [2]; Bresciani, Mariano [2]; Cazzaniga, Iliara [2]; Schenk, Karin [3]; Heege, Thomas [3]; Philipson, Petra [4]; Ruescas, Ana [5]; Böttcher, Martin [5]; Stelzer, Kerstin [5] 1: Water Insight, Netherlands; 2: CNR-IREA, Italy; 3: EOMAP, Germany; 4: Brockmann Geomatics, Sweden; 5: Brockmann Consult, Germany	
116	Radar Altimetry for Inland Water: Current and Potential Applications	Tarpanelli, Angelica [1]; Brocca, Luca [1]; Barbetta, Silvia [1]; Moramarco, Tommaso [1]; Santos da Silva, Joecila [2]; Calmant, Stephane [3] 1: National Research Council, Italy; 2: CESTU, Universidade do Estado de Amazonas, Brazil; 3: Laboratoire d'Études en Géophysique et Océanographie Spatiales, France	

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118	Quantifying Cyanobacteria and High Biomass Blooms from Satellite to Support Environmental Management and Public Use of U.S. Lakes and Estuaries	Tomlinson, Michelle C. [1]; Stumpf, Richard P. [1]; Dupuy, Danielle [2]; Wynne, Timothy T. [1]	1: NOAA, United States of America; 2: CSS-Dynamic, United States of America
119	A New SAR Waveform Retracking System for Inland Water Height Determination	Villadsen, Heidi [1]; Deng, Xiaoli [2]; Andersen, Ole B. [1]; Stenseng, Lars [1]; Nielsen, Karina [1]; Knudsen, Per [1]	1: DTU Space, National Space Institute, Technical University of Denmark, Denmark; 2: School of Engineering, The University of Newcastle, Australia
120	Processing and assessment of CryoSat-2 SAR data for the monitoring of river water levels in the perspective of Sentinel-3	Bercher, Nicolas [1]; Fabry, Pierre [1]; Fleury, Sara [2]	1: ALONG-TRACK, France; 2: LEGOS/CNRS, France
121	Wet tropospheric corrections over inland water – getting ready for Sentinel-3	Fernandes, M. Joana [1,2]; Lázaro, Clara [1,2]	1: Faculdade de Ciências, Universidade do Porto, Portugal; 2: Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR/CIMAR), Universidade do Porto, Portugal
122	Investigation of Optical Properties over Large Estonian Inland Lake Using HySpex Images	Kangro, Evelin	Tartu Observatory, Estonia
123	Sensitivity Analysis of Semi-analytical Models of Diffuse Attenuation of Downwelling Irradiance in Lake Balaton	Van der Zande, Dimitry [1]; Blaas, Meinte [2]; Nechad, Bouchra [1]; Boderie, Pascal [2]	1: RBINS, Belgium; 2: Deltares, the Netherlands
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125	Citizen Science instruments for remote sensing validation: the example of a DIY buoy to measure K_d	Bardaji, Raul; Sanchez, Albert Miquel; Simon, Carine; Piera, Jaume	Institute of Marine Sciences, Spain
126	Ocean Raman Scattering - its Quantitative and Fast Simulation and its Influence on Ocean Color	von Bismarck, Jonas [1]; Kritten, Lena [2]; Fischer, Jürgen [2]; Preusker, Rene [2]	1: ESA-ESRIN/Freie Universität Berlin; 2: Freie Universität Berlin
127	The Marine Remote Sensing Unit: Developing Earth Observation Applications for South African Marine and Aquatic Environments	Whittle, Christo Peter [1]; Bernard, Stewart [1]; Krug, Marjolaine [1]; Matthews, Mark [2]	1: Council for Scientific and Industrial Research, South Africa; 2: Cyanolakes Pty. Ltd., South Africa
128	Examination of Water Quality of an Oligotrophic Salmon Lake in British Columbia, Canada Using MERIS Satellite Imagery	Borstad, Gary [1]; Loos, Eduardo [1]; Brown, Leslie [1]; Ersahin, Kaan [1]; Selbie, Daniel [2]; Irvine, Jim [2]; Costa, Maycira [3]	1: ASL Environmental Sciences Inc, Canada; 2: Fisheries and Oceans Canada; 3: University of Victoria
129	A Remote Sensing Approach for Linking Riverine Floods to Coastal Sedimentation on Deltas	Falcini, Federico [1]; Colella, Simone [1]; Volpe, Gianluca [1]; Pitarch Portero, Jaime [1]; Di Cicco, Annalisa [1]; Santoleri, Rosalia [1]; Khan, Nicole [2]; Horton, Benjamin P. [2]; Macelloni, Leonardo [3]; Jerolmack, Douglas J. [4]	1: CNR, Scienze dell' Atmosfera e del Clima, Italy; 2: Institute of Coastal and Marine Science, Rutgers University, USA; 3: University of Mississippi, Mississippi Mineral Resources Institute, USA; 4: University of Pennsylvania, Dep. Earth and Environmental Science, USA
130	Use of the New OLCI and SLSTR Bands for Atmospheric Correction of Ocean Colour Data Over Turbid Coastal and Inland Waters: Opportunities and Challenges	Ruddick, Kevin; Vanhellemont, Quinten	RBINS/ODNature, Belgium

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133	Combining Envisat Type and CryoSat-2 Altimetry to Inform Hydrodynamic Models	Schneider, Raphael (1); Godiksen, Peter Nygaard (2); Villadsen, Heidi (3); Ridler, Marc-Etienne (2); Madsen, Henrik (2); Bauer-Gottwein, Peter (1) 1: Technical University of Denmark, Department of Environmental Engineering, Kgs. Lyngby, Denmark; 2: DHI, Hørsholm, Denmark; 3: National Space Institute, Technical University of Denmark, Kgs. Lyngby, Denmark	
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134	Cryosat-2 Ocean Wind and Wave Products: Preparation for Sentinel-3	Abdalla, Saleh; Janssen, Peter; Bidlot, Jean-Raymond ECMWF, United Kingdom	
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145	Evaluation of Adaptive Inversion Approaches of MODIS Imagery in the Northern Adriatic Sea Optically Complex Waters	Brando, Vittorio E.; Braga, Federica; Adamo, Patrizia; Bresciani, Mariano; Giardino, Claudia; Zaggia, Luca	CNR, Italy
146	Coastal Algorithms and On-demand Processing - the lessons learnt from CoastColour for Sentinel 3	Brockmann, Carsten [1]; Doerffer, Roland [1]; Boettcher, Martin [1]; Krämer, Uwe [1]; Zühlke, Marco [1]; Pinnock, Simon [2]	1: Brockmann Consult GmbH, Germany; 2: ESA ECSAT, UK
147	A Global Database of In-situ Bio-optical Data, Building Up a Tool for OLCI Validation	Brotas, Vanda [1]; Valente, André [1]; Sathyendranath, Shubha [2]; Groom, Steve [2]; Grant, Michael [2]; Antoine, David [12]; Balch, William [13]; Barker, Kathryn [3]; Barlow, Ray [10]; Belanger, Simon [17]; Berthon, Jean-Francois [11]; Brando, Vittorio [16]; Canuti, Elisabetta [11]; Dransfeld, Leonie [4]; Gibb, Stuart [5]; Kahru, Mati [6]; Klein, Holger [14]; Kratzer, Susanne [7]; Loisel, Hubert [18]; Mitchell, Greg [6]; Ondrusek, Michael [15]; Poulton, Alex [8]; Voss, Kenneth [9]; Zibordi, Giuseppe [11]	1: University of Lisbon, MARE-FCUL, Portugal; 2: Plymouth Marine Laboratory, UK; 3: ARGANS Ltd, UK; 4: Marine Institute, Rinville - Oranmore, Galway, Ireland; 5: Environmental Research Institute, University of the Highlands and Islands, UK; 6: Scripps Institution of Oceanography, UCSD, USA; 7: Department of Ecology, Stockholm University, Sweden; 8: Ocean Biogeochemistry & Ecosystems, NOC, UK; 9: Dept. of Physics, University of Miami, USA; 10: Bayworld Centre for Research and Education, South Africa; 11: JRC, Italy; 12: Laboratoire d'Océanographie de Villefranche-sur-Mer LOV/ Curtin Uni., Australia; 13: Bigelow Laboratory for Ocean Sciences, United States; 14: Bundesamt für Seeschifffahrt und Hydrographie; 15: NOAA, USA; 16: CSIRO, Australia; 17: Université du Québec à Rimouski (UQAR), Canada; 18: Université du Littoral Côte d'Opale (ULCO), France
148	High Resolution Tidal Modeling in the Arctic Ocean: Needs and Upcoming Developments	Cancel, Mathilde [1]; Andersen, Ole [2]; Lyard, Florent [4]; Cotton, David [3]; Benveniste, Jérôme [5]	1: NOVELTIS, France; 2: DTU Space, Denmark; 3: SatOC, United Kingdom; 4: LEGOS/OMP/CNRS, France; 5: ESA/ESRIN, Italy
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150	Ocean Virtual Laboratory: A new way to explore Multi-sensor Synergy demonstrated over the Agulhas region	Collard, Fabrice [1]; Quartly, Graham [2]; Chapron, Bertrand [3]; Johannessen, Johnny [4]; korosov, Anton [4]; Isar, Alexandru [5]; Konik, Marta [6]; Darecki, Mirek [6]	1: OceanDataLab, Plouzané, France; 2: Plymouth Marine Laboratory, United Kingdom; 3: Ifremer, Plouzané, France; 4: NERSC, Bergen, Norway; 5: UPT, Timisoara, Romania; 6: IOPAN Sopot, Poland
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152	Examining surface circulation patterns of the Baltic Sea using satellite data, ocean models and in-situ observations	Delpeche-Ellmann, Nicole [1]; Torsvik, Tomas [1]; Soomere, Tarmo [2]	1: Institute of Cybernetics at Tallinn University of Technology Estonia; 2: Institute of Cybernetics at Tallinn University of Technology Estonia, Estonian Academy of Sciences
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154	Sentinel-3 Data for Estimating the Primary Production in Coastal Waters	Doerffer, Roland [1]; Van Beusekamm, Justus [2]; Brockmann, Carsten [1]; Roettgers, Rüdiger [2]; Stelzer, Kerstin [1]	1: Brockmann-Consult, Germany; 2: HZG Institute for Coastal Research, Germany
155	SAR Altimetry Stack Geo-referencing for Coastal Applications	Egido, Alejandro	NOAA, United States of America

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158	Regional Sea Level Change and Trends	Fenoglio-Marc, Luciana Technische Universität Darmstadt, Germany	
159	Total Suspended Matter (TSM) and Maximum Signal Depth (Z90_max) for Monitoring the Evolution of Sediment Resuspension Processes in Shallow Coastal Environments	Filipponi, Federico (1,2); Zucca, Francesco (2); Taramelli, Andrea (3); Valentini, Emiliana (1) 1: Istituto Superiore per la Protezione e la Ricerca Ambientale, Italy; 2: Università degli Studi di Pavia, Italy; 3: Istituto Universitario di Studi Superiori di Pavia, Italy	
160	Comparison of Sentinel-3 OLCI Simulated Data with MERIS for Ocean Color Parameter Estimation	Filipponi, Federico (1); Bassani, Cristiana (2); Taramelli, Andrea (3) 1: Istituto Superiore per la Protezione e la Ricerca Ambientale, Italy; 2: CNR-IIA Institute of Atmospheric Pollution Research, Italy; 3: Istituto Universitario di Studi Superiori di Pavia, Italy	
161	Sentinel-3 surface topography mission Microwave Radiometer : Architecture and extended Scientific Objectives	FRERY, Marie-Laure (1); PICARD, Bruno (1); OBLIGIS, Estelle (1); EYMARD, Laurence (2) 1: CLS, France; 2: IPSL/LOCEAN, France	
162	Classification of satellite derived Chlorophyll a space-time series by means of Quantile Regression: Application to the Adriatic Sea	Girardi, Paolo (1); Pastres, Roberto (1); Gaetan, Carlo (1); Mangin, Antoin (2); Taji, Mohamed Amin (3) 1: Ca' Foscari University Venice, Italy; 2: ACRI-ST Sophia Antipolis, France; 3: ACRI-EC Casablanca, Morocco	
163	Validation of Altimeter Data in the Spanish Coasts (Gulf of Cadiz and Strait of Gibraltar): Lessons Learned in the Prospect of SENTINEL-3	Gomez-Enri, Jesus (1); Vignudelli, Stefano (2); Coca, Josep (1); Tejedor, Begoña (1); Aboitiz, Alazne (1); Muñoz, Juan Jose (1); Cipollini, Paolo (3); Villares, Pilar (1) 1: University of Cadiz, Spain; 2: Consiglio Nazionale delle Ricerche, Italy; 3: National Oceanography Centre, United Kingdom	
164	Ocean Colour at Low Sun and High Waves	Hieronymi, Martin Helmholtz-Zentrum Geesthacht, Germany	
165	Comparison of Algorithms to Derive Water Quality Indicators in the Baltic Sea	Huber, Silvia; Hansen, Lars Boye; Rasmussen, Mads Olander DHI GRAS A/S, Denmark	
166	Variability of the sea surface temperature in the tropical Atlantic Ocean using CMIP5 pre-industrial simulations	Kenfack, Christian Sadem University Of Dschang, Cameroon	
167	Fusion of optical data from Sentinel2/MSI and Sentinel3/OLCI	Korosov, Anton Nansen Environmental and Remote Sensing Center, Norway	
168	Improving the performance of remote sensing products in optically complex waters	Kutser, Tiit (1); Simis, Stefan (2,5); Boettcher, Martin (3); Kallio, Kari (2); Attila, Jenni (2); Brockmann, Carsten (3); Paavel, Birgot (1); Vahtmäe, Ele (1); Ligi, Martin (4); Kervinen, Mikko (2); Kaitala, Seppo (2); Koponen, Sampsa (2) 1: University of Tartu, Estonia; 2: Finnish Environment Institute, Finland; 3: Brockmann Consult, Germany; 4: Tartu Observatory, Estonia; 5: Plymouth Marine Laboratory	
169	AQUA-USERS: AQUAculture USER Driven Operational Remote Sensing Information Services	Laanen, Marnix (1); Poser, Kathrin (1); Peters, Steef (1); de Reus, Nils (1); Ghebrehiwot, Semhar (1); Eleveld, Marieke (2); Miller, Peter (3); Groom, Steve (3); Clements, Oliver (3); Kurekin, Andrey (3); Martinez Vicente, Victor (3); Brotas, Vanda (4); Sá, Carolina (4); Couto, Andre (4); Brito, Ana (4); Amorim, Ana (4); Dale, Trine (5); Sørensen, Kai (5); Boye Hansen, Lars (6); Huber, Silvia (6); Kaas, Hanne (7); Andersson, Henrik (7); Icely, John (8); Fragoso, Bruno (8) 1: Water Insight, Netherlands; 2: Institute for Environmental Studies, VU University Amsterdam, Netherlands; 3: Plymouth Marine Laboratory, UK; 4: Centro de Oceanografia, Faculdade Ciências, Universidade Lisboa, Portugal; 5: Norsk Institutt for Vannforskning, Norway; 6: DHI GRAS, Denmark; 7: DHI, Denmark; 8: Sagremarisco-Viveiros de Marisco, Portugal.	

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170	Preparing for the Ocean Validation in the Sentinel-3 Mission Performance Centre: Lessons Learned with Cryosat-2 Mission	Labroue, Sylvie [1]; Raynal, Matthias [1]; Moreau, Thomas [1]; Amarouche, Laiba [1]; Boy, François [2]; Picot, Nicolas [2]; Féménias, Pierre [3]	1: CLS, France; 2: CNES; 3: ESA
171	Two Decades of Global and Regional Sea Level Observations from the ESA Climate Change Initiative Sea Level Project	Legeais, JeanFrancois [1]; Larnicol, Gilles [1]; Cazenave, Anny [2]; Ablain, Michaël [1]; Benveniste, Jerome [3]; Lucas, Bruno M [3]; Dinardo, Salvatore [3]; Johannessen, Johnny [4]; Timms, Gary [5]; Knudsen, Per [6]; Andersen, Ole [6]; Cipollini, Paolo [7]; Roca, Monica [8]; Rudenko, Sergei [9]; Fernandes, Joana [10]; Balmaseda, Magdalena [11]; Quartly, Graham [12]; Fenoglio-Marc, Luciana [13]; Meyssignac, Benoit [2]; Scharffenberg, Martin [14]	1: CLS, France; 2: LEGOS, France; 3: ESA, Italy; 4: NERSC, Norway; 5: CGI, UK; 6: DTU, Denmark; 7: NOC, UK; 8: IsardSAT, Spain; 9: GFZ, Germany; 10: University of Porto, Portugal; 11: ECMWF, UK; 12: PML, UK; 13: TUD, Germany; 14: University of Hamburg, Germany
172	Using Argo and GRACE Data to Assess the Performances of Sentinel-3 Altimeter Mission	Legeais, JeanFrancois [1]; Prandi, Pierre [1]; Ablain, Michaël [1]; Picot, Nicolas [2]	1: CLS, France; 2: CNES, France
173	MESA Service Delivery in the Indian Ocean Commission Region	Martial, Laurence Eric	Mauritius Oceanography Institute, Mauritius
174	CCI-POCO: POols of Carbon in the Ocean	Martinez Vicente, Victor [1]; Platt, Trevor [1]; Sathyendranath, Shubha [1]; Chuprin, Andrei [1]; Dall'Olmo, Giorgio [1]; Rottgers, Rudiger [2]; Hickmann, Anna [3]; Roy, Shovonlal [4]; Dutkiewicz, Stephanie [5]; Follows, Mick [5]	1: Remote Sensing Group, PML, United Kingdom; 2: Institute for Coastal Research, HZG, Germany; 3: University of Southampton, United Kingdom; 4: University of Reading, United Kingdom; 5: Program in Atmospheres, Oceans and Climate, MIT, USA
175	Recent examples of severe sea conditions seen by Jason-2 satellite	Muacho, Sergio [1,2]	1: Portuguese Institute for the Ocean and Atmosphere (IPMA), Portugal; 2: EUMeTrain
176	Assessment of Orbit Quality through the Sea Surface Height calculation	Ollivier, Annabelle [1]; Philipps, Sabine [1]; Couhert, Alexandre [2]; Picot, Nicolas [2]	1: CLS, France; 2: CNES, France
177	How Regional Sea Level Variability Studies can Benefit from Sentinel-3	Passaro, Marcello [1]; Cipollini, Paolo [2]; Benveniste, Jerome [3]	1: GSNOCs, UK; 2: Marine Physics and Ocean Climate Research Group, NOC, U.K.; 3: ESA-ESRIN, Italy
178	SAR altimetry for Mean Sea Surface determination in the Arctic (The DTU15MSS)	Piccioni, Gaia; Andersen, Ole Baltazar; Stenseng, Lars	DTU, Denmark
179	Multisensor monitoring of chlorophyll-a in the Belgian Waters	Pringle, Nicholas Christopher; Vanhellemont, Quinten; Ruddick, Kevin	Royal Belgian Institute of Science, Belgium
180	Using Multi-sensor Synergy to Evaluate Arctic Altimetry	Quartly, Graham [1]; Kurekin, Andrey [1]; Thibaut, Pierre [2]; Poisson, Jean-Christophe [2]; Hoang, Duc [2]	1: Plymouth Marine Laboratory, United Kingdom; 2: CLS, France
181	The 3P (PAR for Primary Production) project	RAMON, Didier [1]; JOLIVET, Dominique [1]; FROUIN, Robert [2]; SATHYENDRANATH, Shubha [3]; PLATT, Trevor [3]; JACKSON, Thomas [3]; GORYL, Philippe [4]	1: HYGEOS, France; 2: Scripps Institution of Oceanography, UCSD, USA; 3: Plymouth Marine Laboratory, UK; 4: ESA ESRIN, Italy
182	Costal Eddy Structure and Pollution Detection from SAR Spectral Analysis	Redondo, Jose Manuel [1,3]; Martinez Benjamin, Juan Jose [1]; Diez, Margarita [2,3]; Lopez Gonzalez-Nieto, Pilar [4]; Jorge, Juan [3]; Tellez, Jackson [3]	1: ETSEB UPC Barcelona Tech, Spain; 2: Ports de la Generalitat, Vilanova i la Geltru, Barcelona 08800, Spain; 3: ETSECCPB, Universitat Politecnica de Catalunya, Dept. Fisica Aplicada, Barcelona, Spain; 4: IPD, Univ. Complutense Madrid, Madrid, Spain.

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183	Coastal Zone requirements for Satellite Products supported by Coupled Meteo-Oceanographic Numerical Models	Sánchez-Arcilla, Agustín; Pallarés, Elena; Grifoll, Manel; Espino, Manuel	Universitat Politècnica de Catalunya (UPC), Barcelona, Spain
184	Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea	Siitam, Laura; Sipelgas, Liis; Uiboupin, Rivo	Tallinn University of Technology
185	Observing the Sea Surface Temperature with ATSRs: Validation of CCI Data and Comparison with ARC Dataset	Tsamalis, Christoforos; Saunders, Roger	Met Office, United Kingdom
186	An assessment of Sentinel-3/OLCI sub-pixel scale variability at validation sites using Landsat-8/OLI.	Vanhellemont, Quinten; Ruddick, Kevin	RBINS, Belgium
187	Sensitivity of the Mean Sea Level calculation changing the orbit of the reference mission: Sentinel-3 instead of Jason missions	Zawadzki, Lionel; Ablain, Michael	CLS, France
188	The EUMETSAT Marine Products and Services	Montagner, Francois J.	EUMETSAT, Germany
G) Atmosphere			
189	Satellite-derived aerosol climate data records in the ESA Aerosol_cci project: from ERS-2, ENVISAT to Sentinel-3	de Leeuw, Gerrit (1); Holzer-Popp, Thomas (2); Pinnock, Simon (3)	1: Finnish Meteorological Institute & Department of Physics, University of Helsinki, Finland; 2: DLR German Remote Sensing Data Center (DFD), Oberpfaffenhofen, Germany; 3: European Space Agency (ESA), ESA Climate Office, Atlas Building, Harwell Science & Innovation Campus, Oxfordshire, OX11 0QX, United Kingdom
190	Spatially high resolution Trend Analysis of TCWV over land surfaces using MERIS	Docter, Nicole (1); Fischer, Jürgen (1); Preusker, Rene (1); Lindstrot, Rasmus (2); Bojkov, Bojan (3)	1: Freie Universität Berlin, Germany; 2: EUMETSAT, Germany; 3: ESRIN, Italy
191	Retrieval of daytime total columnar water vapour from MODIS measurements over land surfaces	Diedrich, Hannes; Preusker, René; Fischer, Jürgen	Freie Universität Berlin, Germany
192	SLSTR/AATSR Viewing Geometry Simulated with MISR	Virtanen, Timo H (1); Kolmonen, Pekka (1); Sogacheva, Larisa (1); Rodriguez, Edith (1); de Leeuw, Gerrit (1,2)	1: Finnish Meteorological Institute, Finland; 2: Department of Physics, University of Helsinki
193	The Advanced Infra-Red Water Vapour Estimator Prototype Processor (AIRWAVE-PP): tool design and ATSR processing	Burini, Alessandro (1,3); Casadio, Stefano (2,3); Bojkov, Bojan (3); Dinelli, Bianca Maria (4); Castelli, Elisa (4); Papandrea, Enzo (4)	1: Rheagroup, Italy; 2: Serco, Italy; 3: ESA, Italy; 4: CNR, Italy
194	On the Feasibility of Aerosol Composition Retrieval from Satellite Observations using Neural Networks	Curci, Gabriele (1,2); Del Frate, Fabio (3); Di Noia, Antonio (4); Sist, Massimiliano (3); Tirelli, Cecilia (2)	1: Dept. Physical and Chemical Sciences, University of L'Aquila, Italy; 2: CETEMPS, University of L'Aquila, Italy; 3: University of Tor Vergata, Italy; 4: SRON Netherlands Institute for Space Research, Netherlands
195	The Technology and Atmospheric Mission Platform (TAMP) Project	Natali, Stefano (1); Mantovani, Simone (1); Triebnig, Gerhard (2); Hirtl, Marcus (3); Fehr, Thorsten (4)	1: SISTEMA GmbH, Austria; 2: EOX IT Services GmbH, Austria; 3: Zentralanstalt für Meteorologie und Geodynamik, Austria; 4: ESA - ESRIN, Italy
196	The Impact of Dust Aerosols on the Circulation and Heat Budget of the Red Sea	Cahill, Bronwyn (1,2); Toumi, Ralf (1); Brindley, Helen (1); Stenchikov, Georgiy (3)	1: Imperial College London, UK; 2: Informus GmbH, Germany; 3: King Abdullah University of Science and Technology (KAUST)

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197	Simultaneous retrieval of aerosol and marine parameters: Comparison of MERIS retrievals with match ups in a Norwegian coastal environment	Stamnes, Knut (1); Sørensen, Kai (2); Stamnes, Jakob (1) 1: Geminoli AS, Oslo, Norway; 2: NIVA, Oslo, Norway	
198	Simultaneous Retrieval of Aerosol and Surface BRDF over Australia using AATS	Qin, Yi; Mitchell, Ross M.; Forgan, Bruce W. Commonwealth Scientific and Industrial Research Organisation, Australia	
199	Impact of the Aerosol Model on the Atmospheric Correction of Satellite Images: Case Studies with Hyperspectral CHRIS-Proba data over Benelux	Tirelli, Cecilia (1); Manzo, Ciro (2); Bassani, Cristiana (2); Curci, Gabriele (3) 1: CETEMPS, University of L'Aquila, Italy; 2: IIA – CNR, Italy; 3: Physical and Chemical Sciences, University of L'Aquila, Italy	