

DAY-1 POSTERS

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A2.01 Biodiversity

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E3.04 Baltic Sea Regional Applications and Science

A1.02 Sentinel-5P Mission - latest Calibration/Validation Results

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|---|------------------------------|
| 591 | 67063 | First validation of the TROPOMI/S5P stratospheric NO ₂ measurements using a new harmonized data set from the FTIR ground-based network | Corinne Vigouroux et al. |
| 592 | 64609 | S5P TROPOMI Aerosol Index Development | Deborah Stein Zweers et al. |
| 593 | 64790 | FP_ILM algorithm applied to UVN sensors for the retrieval of GE_LER climatologies for UV/VIS trace gases and clouds | Ana del Águila et al. |
| 594 | 65094 | Validation of TROPOMI Cloud Top/Bottom Height using BAQUNIN Lidar Systems: preliminary results | Anna Maria Iannarelli et al. |
| 595 | 65188 | Improving ground-based HDO reference data using a novel balloon-borne flask-sampling technique | Andreas Schneider et al. |

A2.01 Biodiversity

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|--|------------------------------|
| 197 | 63188 | Leveraging Landsat time series for reconstructing habitat dynamics across space and time | Julian Oeser et al. |
| 198 | 63226 | Testing the efficacy of Sentinel-1, Sentinel-2 and AVIRIS-NG data with machine learning based classification and regression to detect native and invasive non-native trees in the Western Ghats, India | M Arasumani et al. |
| 199 | 63931 | Earth Observation in support of biodiversity monitoring processes in Finland | Saku Anttila et al. |
| 200 | 63733 | Seasonal and inter-annual landcover dynamics in selected drained lake basins on Yamal, Siberia | Clemens von Baeckmann et al. |
| 201 | 65704 | Integrated UAV-based LiDAR and multispectral investigation of fire impact on Siberian forest, Yakutia, Russia. | Robert Jackisch et al. |
| 202 | 63871 | Modeling species and structural diversity across temperate forest types with Remote Sensing and Deep Learning | Janik Hoffmann et al. |
| 203 | 64322 | Assessing determinants of breeding variability and synchrony in the European roe deer (<i>Capreolus capreolus</i>) across environmental gradients | Johanna Kauffert et al. |
| 204 | 66855 | Mapping the light regime of mountain forests using airborne LiDAR and Sentinel-1/2 | Felix Glasmann et al. |
| 205 | 67207 | Potential of various Earth observation data for monitoring of Central European arcto-alpine tundra vegetation changes | Lucie Kupková et al. |
| 206 | 64465 | Monitoring the biological diversity in agricultural landscapes in Germany with Copernicus – Concept and key indicators for policy evaluation | Stefan Erasmi et al. |
| 207 | 64652 | Global patterns and drivers of forest phenological diversity | Marco Girardello et al. |
| 208 | 64875 | Eco-physiological response of phytoplankton to a storm-induced browning: a large-scale enclosure experiment | Alexis L.N. Guislain et al. |
| 209 | 64902 | Monitoring the marine invasive alien species <i>Rugulopteryx okamurae</i> using unmanned aerial vehicles and satellites: a zoomed-out approach to biodiversity monitoring | Martha Bonnet Dunbar et al. |
| 210 | 65138 | Enhancing the modelling of Gross Primary Productivity with Sentinel-2 Data for the monitoring of ecosystem health. | Anna Spinosa et al. |
| 211 | 65246 | Remotely sensed vegetation biophysical parameters as proxies for primary productivity estimation | Roshanak Darvishzadeh et al. |
| 212 | 65499 | Combining Machine learning and Earth Observation data for high resolution tree mapping: building a dynamic forest atlas for Europe | Carmelo Bonannella et al. |
| 213 | 66706 | Short and long-term persistence in European vegetation | Tristan Williams et al. |
| 214 | 65675 | Exploring photosynthetic dynamics in diverse crop canopies by using hyperspectral and solar-induced fluorescence (SIF) data | Julie Krämer et al. |
| 215 | 66089 | Relating spectral variance to taxonomic diversity: experimental evidence from imaging spectroscopy over a tropical forest. | Colette Badourdine et al. |

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| 216 | 66376 | Evolution of the spatial diversity of butterflies and dragonflies in response to climate change and climatic sanctuaries at a regional action scale | Fanny Mallard et al. |
| 217 | 66652 | Evaluating maximum entropy in tropical dry forest ecosystem as a function of different successional stage | Nooshin Mashhadi et al. |
| 218 | 66936 | From dusty images to deadwood profiles: The use of historical aerial images for mapping the key indicator of forest biodiversity | Topi Tanhuanpää et al. |
| 219 | 66731 | Participatory GIS Tool for Environmental Conservation of Muringato Catchment Area | Wisdom Kipkemboi et al. |
| 220 | 64534 | Herbivore impact on savanna vegetation in Kenya | Isabel Pérez Postigo et al. |
| 221 | 67123 | Optimisation of large-scale fractional woody vegetation cover mapping in savannah ecosystems | Elias Symeonakis et al. |
| 222 | 67243 | Macroecological dynamics from crowd-sourced plant occurrence data via Flora Incognita | Karin Mora et al. |
| 223 | 65268 | Crowd-sourced plant observations from smart-phone app resemble global plant functional gradients | Sophie Wolf et al. |
| 224 | 64342 | Using multitemporal country-wide airborne laser scanning for estimating plant diversity change | Zsofia Koma et al. |
| 225 | 65534 | Using imaging spectroscopy to predict the structure and functions of grassland soil microbial communities across the US continent | Alexandra Hamer et al. |
| 226 | 64081 | Analyzing Grassland Diversity with Hyperspectral Remote Sensing in a Semi-Arid Mediterranean Ecosystem | Vicente Burchard-Levine et al. |
| 227 | 64002 | Modelling vegetation traits and diversity in grasslands across scales with deep learning, UAVs and Sentinel-1 and 2 | Javier Muro et al. |
| 228 | 62015 | Accounting for spatio-temporal dissimilarities in spectral features to capture biodiversity in grasslands: A case study using Sentinel-2 data | Christian Rossi et al. |

A3.01 Towards global rangeland monitoring using Sentinel-1/2/3

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|---|--|
| 235 | 64910 | Estimating grassland biomass and livestock carrying capacity using Sentinel data to strengthen grazing management on local to national scales in Armenia | Sarah Asam et al. |
| 236 | 64678 | Grass biomass assessment at field scale in Wallonia (Belgium) based on Sentinel data | Yannick Curnel et al. |
| 237 | 63794 | Grassland types mapping using Sentinel-1 and Sentinel-2, from a management and an ecological perspective. | Mathilde De Vroey et al. |
| 238 | 64848 | National-scale detection of grassland mowing events in Germany with Sentinel-1 and Sentinel-2 time series | Sophie Reinermann et al. |
| 239 | 65492 | A remote sensing approach to map productivity in mountain grasslands, Gran Paradiso National Park, NW Italy | Gianluca Filippa et al. |
| 240 | 64175 | Observing multiple trajectories of grassland fragmentation, degradation and recovery in dry steppe belt of Europe with multisource satellite imagery | Alexander Prishchepov et al. |
| 241 | 66373 | Sentinel-2 – Landsat synergy for grassland monitoring: is it essential for long-term assessment? | Katarzyna Ewa Lewińska et al. |
| 242 | 63898 | Long-term rangeland condition changes monitoring in Central Asia | Carlos Domenech et al. |
| 243 | 64387 | Approaches and challenges in monitoring high-mountain rangelands of Central Asia with remote sensing data | Harald Zandler et al. |
| 244 | 66902 | Vegetation cover monitoring to quantify outcomes from land management interventions targeting soil and biodiversity conservation: lessons from Australia | Juan Guerschman et al. |
| 245 | 62985 | Mixed pixel analysis of high spatial and temporal resolution Sentinel-1 and Sentinel-2 time series data in the Benfontein Nature Reserve and Mokala National Park, South Africa | Please use "Nangula" instead of Hilma Sevelia Nghiyalwa et al. |

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| 246 | 64356 | Understanding and monitoring ecological and socio-ecological dynamics in African rangelands | Robert Buitenwerf et al. |
| 247 | 64940 | Understanding woody vegetation responses to climatic and non-climatic disturbances in the grasslands of Africa | Francesco D'Adamo et al. |
| 248 | 66906 | Assessing rapid vegetation growth dynamics in a semi-arid rangeland in Kenya from ground and satellite data | Francesco Pietro Fava et al. |

A3.04 Agriculture - Methods and Algorithms, Science, Applications and Policy

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|--|----------------------------|
| 99 | 64628 | Generation of large area-wide high-resolution green leaf area data sets from Sentinel-2 on field-scale for all of Bavaria as a basis for agricultural and ecological water resources management and monitoring | Lena Brüggemann et al. |
| 100 | 64685 | Impact of COVID-19 on Harvest of Row Crops | Isabella Kausch et al. |
| 101 | 67062 | Regional monitoring Fall Armyworm (FAW) using early warning systems for small farmers | Ma. Luisa Buchailot et al. |
| 102 | 67092 | VietSCO: towards an operational use of satellite data for climate change adaptation | Linda Tomasini et al. |
| 103 | 64738 | Simulation of rice production in the Vietnam Mekong Delta under scenarios of climate change | Hoa Phan et al. |
| 104 | 65039 | Investigation of the diurnal cycles of interferometric coherence and backscattering coefficient on irrigated wheat in the South Mediterranean | Nadia Ouadi et al. |
| 105 | 65554 | A SURFACE ALBEDO PRODUCT AT HIGH SPATIAL RESOLUTION FROM A COMBINATION OF SENTINEL-2 AND SENTINEL-3 DATA: TEMPORAL MONITORING OF AGRICULTURAL ALBEDO AND CARBON FLUXES | Jeremy Auclair |
| 106 | 67110 | Sentinel-2 Based Empirical Indicator of Cropland Annual CO ₂ Fluxes | Ludovic Arnaud et al. |
| 107 | 64460 | Estimating Soil Moisture of Finnish Agricultural Fields using Sentinel-2 Data | Markus Törmä et al. |
| 108 | 64224 | Statistical analysis of remote sensing-based vegetation indices for drought monitoring of maize and winter wheat in selected Hungarian regions | Edina Birinyi et al. |
| 109 | 63078 | Application of Earth Observation tools for Drought and Drought Impacts Monitoring in Central Europe region | Monika Bláhová et al. |
| 110 | 64144 | Potential of remote sensing to study the influence of drought on cereals yields in semi-arid regions: study area Kairouan Tunisia and Catalonia Spain | Manel Khelif et al. |
| 111 | 63128 | Assessing the impact of disaggregated land surface temperature on evapotranspiration estimates using three thermal-based energy balance models | Bouchra AIT HSSAINE et al. |
| 112 | 62898 | Monitoring the water use efficiency of a densely planted olive tree plantation in Saudi Arabia | Jamal Elfarkh et al. |
| 113 | 63486 | Synergy between Sentinel-1 radar and Landsat thermal data to retrieve surface soil moisture at high spatio-temporal resolution | Abdelhakim Amazirh |
| 114 | 67472 | The Importance of Surface Canopy Water on Agricultural Monitoring using SAR | Saeed Khabbazan et al. |
| 115 | 65325 | Mapping of soil condition in precision agriculture by using Sentinel-1 and Sentinel-2 data | Vojtech Lukas et al. |
| 116 | 65692 | Assessment of winter wheat nitrogen status based on the proximal sensing and remote monitoring by UAV and Sentinel-2 imagery | Jiri Mezera et al. |
| 117 | 65276 | Hybrid modeling for the assessment of maize nitrogen uptake from hyperspectral PRISMA data | Marina Ranghetti et al. |
| 118 | 64944 | Harmonized Landsat-8 and Sentinel-2 images help to reveal the patterns and determinants of cropland abandonment in subtropical mountainous areas of China | Changqiao Hong et al. |
| 119 | 64756 | AI for invasive species prediction: the locust swarm case | Maximilien Houel et al. |
| 120 | 64048 | Integrating FLDAS and Multi-sensor Imagery for Locust Swarm Mapping in Ethiopia using CNN model | Ka Hei Pinky Chow et al. |
| 121 | 64847 | The impact of weather conditions on yields in the South Moravian Region | Amit Kirschenbaum et al. |

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| 122 | 64310 | Assessment of spatial and temporal variability of crop yield at field scale with multiscale remote sensing time series and multiple models | Gohar Ghazaryan et al. |
| 123 | 67042 | A raster-based data assimilation approach pairing Sentinel-2 satellite observations and the Simple Algorithm for Yield Estimation to monitor winter wheat productivity. | Francesco Novelli et al. |
| 124 | 65358 | Wheat yield and phenological response under occurrence of extreme weather or climate events during growing season | Josef Wagner et al. |
| 125 | 62530 | Sugarcane Yield Estimation Through Remote Sensing Time Series and Phenology Metrics | Dimo Dimov et al. |
| 126 | 63741 | Deriving production-related dates in sugar beet cultivation from Sentinel-1 and Sentinel-2 data for Lower Saxony, Germany | Florian Beyer et al. |
| 127 | 64969 | Crop monitoring and yield forecast models for maize production in South Africa and Poland under wet and dry seasons | Solomon Newete et al. |
| 128 | 65290 | Potentiality of crop biophysical parameters retrieved from multitemporal Sentinel-2 and PRISMA for early detection of yield performance at field level: a case study with SARAGRI project dataset. | Francesco Nutini et al. |
| 129 | 66345 | Estimating crop yield using remotely sensed vegetation indices and crop simulation models | Matteo G. Ziliani et al. |
| 130 | 66981 | AI+EO for Coffee Crop Identification, Health Monitoring and Yield Prediction | Peter Hausknecht et al. |
| 131 | 64511 | Yield mapping with Sentinel-2 time series data | Gregor Perich et al. |
| 132 | 63363 | Mapping oil palm density at country scale: An active learning approach | Andrés C Rodríguez et al. |
| 133 | 64079 | Crop mapping from image time series: deep learning with multi-scale label hierarchies | Mehmet Ozgur Turkoglu et al. |
| 134 | 65005 | Towards traceable, transparent and sustainable cocoa farming in Côte d'Ivoire and Ghana using publicly available satellite imagery and deep learning | Nikolai Kalischek |
| 135 | 66941 | How can Earth observation support transparent operational monitoring systems for deforestation-free cocoa production in West Africa? | Astrid Verhegghen et al. |
| 136 | 66861 | Using geospatial datasets for CAP relevant accounting for crop diversity and rotation in the European Union | Marijn Van Der Velde et al. |
| 137 | 63419 | Improving predictions of crop yield loss in years of severe droughts by integrating Earth observation and climate data in a machine learning framework. A case study for the Pannonian basin | Emanuel Bueechi et al. |
| 138 | 64705 | Assessing the Potential of Sentinel-1 Terrain-Flattened Gamma Time Series for Grassland Cut Detection in Austria | Felix Reuß et al. |
| 139 | 67213 | Comparing uncertainties provided by machine learning methods for the retrieval of vegetation variables: applications for Sentinel-2 | José Luis García Soria et al. |
| 140 | 67463 | Top-of-atmosphere retrieval of canopy-level crop traits in Google Earth Engine | José Alberto Estévez García et al. |
| 141 | 64725 | Tracking cropland growth development in multi-cropping rotation systems using Sentinel-2 and Landsat 8 green LAI time series at the Nile Delta | Eatidal Amin et al. |
| 142 | 64532 | Precision agriculture in rice crops: remote sensing based yield modelling and nitrogen content management | María José Sanchez-Torres et al. |
| 143 | 65446 | Parcel-Level Wheat Yield Estimation over Entire France : Evaluation of Machine Learning Algorithms Ingesting Sentinel-2 and Meteorological Time Series | Pierre Houdmont et al. |
| 144 | 64750 | Mapping field sizes in smallholder agriculture of Sub-Saharan Africa: assessing pathways to overcome the mismatch between spatial resolution and field size | Philippe Rufin et al. |
| 145 | 65133 | Accuracy assessment of SenET evapotranspiration retrieval based on Sentinel-2 multispectral reflectance and Sentinel-3 thermal infrared radiance measurements for agricultural water stress monitoring | Céline Champagne et al. |

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| 146 | 65466 | Potential for improving crop models and land surface models with sun-induced chlorophyll fluorescence observations | Simon De Cannière et al. |
| 147 | 66974 | Monitoring of maize dry matter content using Sentinel-1 time series for harvest decision | Thibault Castin et al. |
| 148 | 65213 | A machine learning approach for maize green area index retrieval from multi-polarization C- and L-band synthetic aperture radar data | Jean Bouchat et al. |
| 149 | 62993 | Detection of New Urban Elements in Agricultural Parcels | Alban Jago et al. |
| 152 | 63540 | Superpixel-based identification of grassland management practices from dense NDVI time series | Anatol Garioud et al. |
| 153 | 63940 | Crop classification and monitoring using high cadence optical imagery | Caglar Senaras et al. |
| 154 | 66590 | Planet Fusion - An EO Data Product for improved management of agricultural policies | Tor Nielsen |
| 155 | 66583 | Planet Fusion for observing farming events and policy compliance.\ | Luis Peraza et al. |
| 156 | 64822 | Extracting phenometrics of winter cereals in Andalusia, Spain: the potential of Sentinel-2 data for CAP management | Miguel Angel Garcia-Perez et al. |
| 157 | 65015 | Can we use satellite time series to estimate compliance to the EU's Common Agricultural Policy (CAP) by monitoring agricultural parcels throughout winter? | Stien Heremans et al. |
| 158 | 66786 | Towards mapping the nature value of agricultural land use in the Armenian Highlands | Marcel Mohr |
| 159 | 66818 | Supporting Agricultural App Developers with Access to EO Information Services | Conrad Bielski et al. |
| 160 | 67033 | EO-WIDGET – Satellite Product Platform Services for individualized Agricultural Area Monitoring Systems | David Koltzus et al. |
| 161 | 63362 | ForestMind: Actionable insights for a sustainable forest-commodity future | Jerome Jones et al. |
| 162 | 65018 | Tools for information to farmers on grasslands yields under stressed conditions to support management practices | Radoslaw Gurdak et al. |
| 163 | 63890 | Predicting the impact of adverse crop conditions and agri-environmental risks using Sentinel-2 and Landsat time series data | Jan Mišurec et al. |
| 164 | 64666 | Pathways to using remote sensing in crop cultivation and management - the German digital test field AgriSens DEMMIN 4.0 | Daniel Spengler et al. |
| 165 | 64526 | Generating Winter and Summer Cereal Crop Calendars in the Framework of WorldCereal | Juan Manuel Cintas Rodríguez et al. |
| 166 | 66483 | Leveraging the crop rotation and Sentinel-2 data with a deep learning method to forecast the crop type at parcel level | Martin Claverie et al. |
| 167 | 62493 | Revisiting the Use of Red and Near-Infrared Reflectances in Vegetation Studies | Garik Gutman et al. |
| 168 | 64267 | Daily High Resolution CubeSat-derived Leaf Area Index Delivers Insight into Crop Phenology | Kasper Johansen et al. |
| 169 | 62946 | Convolutional Autoencoder applied to SAR Time Series of rice fields, to extract variations in agricultural practices | Thomas Di Martino et al. |
| 170 | 63077 | Mapping Sahelian Cropland With NICFI Planet Basemap | Xiaoye Tong |
| 171 | 63081 | Burned Crop Fields Mapping | Alexandru-Petru Becheru et al. |
| 172 | 63298 | Assessing the suitability of different sensor types for deriving soil related differences in plant characteristics | Maren Pöttker et al. |
| 173 | 63311 | Rapid-Eye time series data for assessing small scale heterogeneity of agricultural fields - A case study in Brandenburg (Germany) - | Jasper Mohr et al. |
| 174 | 63678 | Evaluating sowing and harvest dates of maize across the Netherlands from Sentinel-2 | Xinyan Fan et al. |
| 175 | 63959 | Fusion of Copernicus and ground sensor data for vine monitoring applications: a case study in central Po Valley, Italy | David Marzi |

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| 176 | 64192 | Temporal signatures of backscattering coefficient and interferometric coherence with high temporal frequency C-band radar measurements over olive orchard in semi-arid Mediterranean zone | Adnane Chakir et al. |
| 177 | 64531 | Crop diversity from Earth Observation across scales in the European Union | Matteo Zampieri et al. |
| 178 | 64540 | Crop type classification using High-Resolution Vegetation Phenology and Productivity product | Jędrzej Bojanowski et al. |
| 179 | 61925 | Analysis of Sentinel-2 time series densification for crop type assessment in sub-Saharan Africa | Sandra Lohberger et al. |
| 180 | 64698 | Detection and mapping of agricultural large-scale land acquisitions (LSLAs) using MODIS Satellite Image Time Series | Yasmine Ngadi et al. |
| 181 | 64722 | Meadow classification using semi-supervised learning with Sentinel-2 time series | Matej Račić et al. |
| 182 | 64842 | Comparison of the multiresolution segmentation algorithm with deep neural networks for delineating agricultural fields from Sentinel-2 images | Gideon Okpoti Tetteh et al. |
| 183 | 64983 | On a new methodology to improve crop classification by the synergic use of Sentinel-1 and super-resolved Sentinel-2 | José Miguel Gorosabel et al. |
| 184 | 65604 | Impact of the SAR acquisition parameters and plant row orientation on Sentinel-1 backscatter time-series of agricultural areas | Linara Arslanova et al. |
| 185 | 65053 | Correction of wheat attenuation in Sentinel-1 VV-polarized backscatter time series | Maria Arias et al. |
| 186 | 64390 | Tillage monitoring in the Netherlands using Sentinel-1 and Sentinel-2 observations | Manuel Huber et al. |
| 187 | 67168 | Field level Crop Type Classification using Deep Learning and multi-source Sentinel 1 and Sentinel 2 satellite imagery for agricultural practices monitoring and yield estimation | Nikolaos Bouas et al. |
| 188 | 64826 | Filling Cloud Gaps on Optical Time-Series through Optical and SAR Data Fusion for Cropland Monitoring | Thomas Papadimos et al. |
| 189 | 67157 | Whiskbroom Instrument Design for Increased SNR Measurements | Diogo Mimoso et al. |
| 190 | 65481 | Crop-specific data-driven algorithms for GAI and fAPAR estimates from SENTINEL2 or LANDSAT-8 | Blanca Mateo-Herrera et al. |
| 191 | 65539 | Assessment of two gap filling techniques for NDVI time series reconstruction in crops | Itsaso Aranguren et al. |
| 192 | 66397 | QUANTIFYING CROP TRAITS FROM PRISMA HYPERSPECTRAL SPACEBORNE IMAGES | Cinzia Panigada et al. |
| 193 | 66398 | Usability of the RVI4S1 radar vegetation index in agriculture | Jana Seidlova |
| 194 | 67098 | Monitoring the dynamics of biomass in an einkorn organic field using remote sensing methods | Milen Chaney et al. |
| 195 | 67238 | Delineating Agricultural Field Boundaries using a Fractal ResUNet and Sentinel-2 Imagery | Blayne Lees et al. |

A3.09 Phenology from Earth Observation - Methods, Science & Applications

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|--|------------------------------|
| 75 | 62397 | Phenological cross-domain ECV analysis of AVHRR time series by using a semantic EO data cube | Helga Weber et al. |
| 76 | 64643 | Inter-Annual variability of the 1993-2019 harmonised land use/land cover and vegetation state evaluated within the ECMWF system and perspectives for future reanalyses | Souhail Boussetta et al. |
| 77 | 64712 | SAR phenology across major West-African land cover types | Frank Thonfeld et al. |
| 78 | 66960 | Harmonization of optical and radar time series towards understanding regional-scale climatological variations on smallholder farming systems in East Africa | Adomas Liepa et al. |
| 79 | 62934 | Time-series analysis of SAR and thermal satellite data for potential changes in forest phenology | Christos Theocharidis et al. |

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| 80 | 64025 | Normalizing Sentinel-1 orbits for combined time series applications in forested areas | Markus Zehner et al. |
| 81 | 62506 | Potential Impacts of Radiometric Uncertainty on the Estimation of Land Surface Phenology Metrics | Lukas Graf et al. |
| 82 | 63146 | Control of mangrove phenology: role of rainfall variability | Catherine Ottlé et al. |
| 83 | 63180 | Monitoring capabilities of Google Earth Engine for derivation of agricultural traits and land surface phenology | Matías Salinero Delgado et al. |
| 84 | 63458 | Detecting drought-induced mortality of woody vegetation from high-resolution satellite time series | Yan Cheng et al. |
| 85 | 64704 | A methodological review on satellite derived phenometrics as proxies of plant phenophases: the case of Mediterranean ecosystems | Jose Antonio Caparros-Santiago et al. |
| 86 | 67380 | Earth Observation and spatio-temporal patterns of plant phenology: a support for environmental monitoring applications | Federico Filipponi et al. |
| 87 | 64871 | Land surface phenology in Mediterranean ecosystems using medium spatial resolution data: a comparative analysis of vegetation indices, smoothing and phenometric extraction techniques | Jose Antonio Caparros-Santiago et al. |
| 88 | 64746 | Events and seasons: disentangling drivers in vegetation phenology using long-term monitoring of reflectance from RoX field spectrometers | Paul Naethe et al. |
| 89 | 65069 | Spatial and temporal variability in Sentinel-2 spectra of different forest tree species in Switzerland | Tiziana Koch et al. |
| 90 | 64868 | A forest phenology service for the Alpine region | Anja Klisch et al. |
| 91 | 63010 | SenRVM: A multi-modal deep learning regression methodology for continuous vegetation monitoring with dense temporal NDVI time series | Anatol Garioud et al. |
| 92 | 65055 | Paving the road to FLEX and Biomass: a multi-frequency study of the vegetation in three regions of Europe | Nemesio Rodriguez et al. |
| 93 | 64026 | Crop-specific phenology from disaggregated Medium Spatial Resolution optical data | Henry Rivas et al. |
| 94 | 65277 | Evaluation of Copernicus High Resolution-Vegetation Phenology Productivity service and its potential application in Finland | Kristin Böttcher et al. |
| 95 | 66923 | S2 Living Earth: a solution to provide high resolution time-series to feed phenology studies | Hervé Poilvé et al. |
| 96 | 63512 | Long-term phenological changes of agricultural crops based on the fusion of Landsat and Sentinel-2 LAI time series | Jiří Tomíček et al. |
| 97 | 64009 | Ypsilon's European-wide phenological information service for wheat, barley, rapeseed and maize | Heike Bach et al. |

A8.04 Ocean Health

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|--|----------------------------|
| 320 | 67257 | Assessment of Hydrodynamic Model Sea level performance through Geoid-Referenced Tide-Gauge and Satellite Altimetry | Vahidreza Jahanmard et al. |
| 321 | 63729 | Detection of Cyanobacteria in the Baltic | Lena Kritten et al. |
| 322 | 63751 | Assessment of Coral Reef Structure Shapes and the Impact of Remote Sensing Derived Environmental Parameters | Lanqing Huang et al. |
| 323 | 63829 | Disentangling interactions of extreme events in the ocean using machine learning | Anshul Chauhan et al. |
| 324 | 64019 | Investigating the Viability of Developing an E. coli Alert Data Service (EADS) | Steve Coughlan et al. |
| 325 | 64280 | Towards probabilistic analyses and predictions of the Green Ocean using a stochastic NEMO-PISCES modelling system | Mikhail Popov et al. |
| 326 | 64671 | Using indirect detection methods to quantify marine plastic flux from river outflows using earth observation | Emma Sullivan et al. |
| 327 | 64895 | Marine Heat Waves and Compound events | Angela Landolfi et al. |
| 328 | 63517 | A novel spectral index for ocean oil spill detection | Ámbar Pérez-García et al. |

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| 329 | 64218 | Identifying potential areas of oil pollution in the coastal waters of Kavala and Thasos, Greece, using time-series Sentinel-1 data and GIS | Sofia Papadopoulou et al. |
| 330 | 65932 | Automated Oil Slick Pollution Detection based on SAR Imagery and Deep Learning | Stephen Hayward et al. |
| 331 | 66922 | Mapping and restoration of mangroves as a preventive measure against storm surge related water contamination – applications using remote sensing | Pranav P et al. |
| 332 | 63937 | Using scalable cloud processing and Copernicus Sentinel-2 optical data for the development of an intertidal seagrass mapping service | Christopher Cullingworth et al. |
| 333 | 63294 | Sargassum observations from MODIS: a new dataset including false detection filtering | Witold Podlejski et al. |
| 334 | 65648 | Use of satellite and model data to identify the onset of <i>Ostreopsis ovata</i> harmful algal bloom onset of in the Ligurian Sea | Chiara Lapucci et al. |

B1.02 Advances in calibration of optical passive imaging sensors

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
|--------------|-----------|---|---------------------------|
| 16 | 63133 | Eradiate: Highly accurate radiative transfer modelling for calibration/validation | Vincent Leroy et al. |
| 17 | 63234 | Sensor inter-calibration approaches for Sentinel optical missions | Sébastien Clerc et al. |
| 18 | 63999 | Sentinel-2 Moon Calibration | Franco Marchese et al. |
| 19 | 63502 | The Ground to Space CALibration Experiment (G-SCALE): SI-traceable intercalibration of multi-scale Earth Observation platforms using mirror-based targets | Brandon Russell et al. |
| 20 | 63550 | Evaluation of radiance biases of AMI, GEMS and GOCI-2 by applying ray-matching in the UVIS spectral region | Yeeun Lee et al. |
| 21 | 63600 | PROBA-V overview of calibration and trending analysis | Iskander Benhadj et al. |
| 22 | 63686 | The fifth phase of Radiation Transfer Model Intercomparison: RAMI-V | Nadine Gobron et al. |
| 23 | 63709 | Status of the Sentinel-3 SLSTR VIS/SWIR Channel Calibration after 5 Years of Operations and Lessons Learned for the Future | Dave Smith et al. |
| 24 | 63929 | Sentinel-3 SLSTR SST Validation using a Fiducial Reference Measurements (FRM) Service | Werenfrid Wimmer et al. |
| 25 | 64223 | Meteosat Third Generation (MTG) Imagery Mission - The Flexible Combined Imager (FCI) Proto-Flight Performances | Donny M. A. Aminou et al. |
| 26 | 64406 | Automatic orthorectification service for very high-resolution optical satellite imagery using various free reference data | Aleš Marsetič et al. |
| 27 | 67362 | Cross-calibration metrics for multi-mission global coverage constellations | Laura Moreschi et al. |
| 28 | 67014 | Designing a calibration pipeline for a high spatial resolution multispectral small-sat mission | Joseph Fennell et al. |
| 29 | 64568 | COPERNICUS SENTINEL-2 RADIOMETRIC CALIBRATION STATUS FROM THE MISSION PERFORMANCE CENTRE | Bruno Lafrance et al. |
| 30 | 64626 | STUDY OF THE CORRECTION OF SUN-DIFFUSER BRDF ARTEFACTS ON SENTINEL-2 RADIOMETRIC CALIBRATION RESULTS | Bruno Lafrance et al. |
| 31 | 65028 | BRDF estimations using a Kalman-Filtering approach and related normalisations of S2 L2 and L1C reflectances: radiometric comparisons with the RadCalNet and Landsat 8 measurements. | Bertrand Saulquin et al. |
| 32 | 65354 | Characterising the Radiometry of SkySats using Near-Simultaneous Crossovers with Sentinel-2 over Calibration Sites | Hannah Bourne et al. |
| 33 | 66505 | PICSCAR initiative : Overview of future activities | Béatrice Berthelot et al. |
| 34 | 66506 | Focus on monitoring of OLI/L8 vs S2A/MSI intercalibration in the frame of PICSCAR activity | Béatrice Berthelot et al. |
| 35 | 67200 | The spectral characterisation of OLCI and its temporal evolution | Rene Preusker et al. |

B1.03 Present and future of Validation for Optical Imaging Sensor Products

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 36 | 66573 | ESA airborne measurement campaign with the Research Infrastructure of the Freie University Berlin | Thomas Ruhtz et al. |
| 37 | 64182 | Uncertainty of Atmospheric Scattering Functions relevant for Satellite Ocean Colour Radiometry in European Seas | Francis ZAGOLSKI et al. |
| 38 | 63465 | The validation and uncertainty of DESIS L2A products using AERONET and RadCalNet data | Raquel De Los Reyes et al. |
| 39 | 63278 | EVALUATION OF CLOUD SCREENING FOR SATELLITE AOD RETRIEVALS WITH AERONET | Larisa Sogacheva et al. |
| 40 | 63283 | VALIDATION OF SENTINEL-3 SY_2 AEROSOL PRODUCT | Larisa Sogacheva et al. |
| 41 | 64760 | The “Copernicus Space Component Validation for Land Surface Temperature, Aerosol Optical Depth and Water Vapor Sentinel-3 Products (LAW)” Project: Integrated Water Vapour Validation | Niilo Kalakoski et al. |
| 42 | 64136 | Uncertainty of Sentinel-2 AOT, WV and SR retrieval with Sen2Cor | Bringfried Pflug et al. |
| 43 | 64166 | Consistent validation of Copernicus Sentinel-2 and Sentinel-3 optical missions | Bringfried Pflug et al. |
| 44 | 65117 | The development of uncertainty estimates for the Sentinel 2 L2A products | Javier Gorroño et al. |
| 45 | 63813 | Improving the modeling of adjacency effects for MAJA high resolution atmospheric corrections | Micaël Lassalle |
| 46 | 63873 | Quality assessment of the MAJA atmospheric correction processor over a farmland area with a new operational in-situ ROSAS station | Jerome Colin et al. |
| 47 | 64045 | Performances and improvement of L2A and L3A surface reflectance products for Sentinel-2-like data produced by Theia with MAJA and WASP softwares | Olivier Hagolle et al. |
| 48 | 64522 | Pan-European snow cover products from Sentinel-2: algorithm and evaluation | Zacharie Barrou Dumont et al. |
| 49 | 64789 | A dataset of fire perimeters for the year 2019 over Sub-Saharan Africa derived from Sentinel-2 time series | Daniela Stroppiana et al. |
| 50 | 65375 | Exploitation of Sentinel-1&2 Data for the Assessment of Fire Damage for the Montiferru Wildfire in Sardinia, Italy | Matteo sali et al. |
| 51 | 62708 | A Transfer Function to Predict Soil Surface Reflectance from Laboratory Soil Spectral Libraries | Nicolas Francos et al. |
| 52 | 62731 | The Italian sites of the HYPERNETS water hyperspectral radiometric validation network | Vittorio Brando et al. |
| 53 | 63004 | Validation of Sentinel-3 Land Surface Temperature datasets against ground-based measurements | Jasdeep Singh Anand et al. |
| 54 | 64691 | Prototyping L2 vegetation traits models in support of the hyperspectral mission CHIME | Jochem Verrelst et al. |
| 55 | 63152 | CHIME-SBG Airborne Imaging Spectroscopy Campaign 2021 - Mission Control Activities | Andreas Hueni et al. |
| 56 | 63423 | The CHIME Observation Performance Simulator (OPSI) Software System: development and status at Preliminary Design Review | Nicolas Lamquin et al. |
| 57 | 63239 | Improvement of Sentinel-2 geometric uncertainty with the Global Reference Image | Sébastien Clerc et al. |
| 58 | 63641 | The Optical Mission Performance Cluster | Jerome Bruniquel et al. |
| 59 | 64013 | The “Copernicus Space Component Validation for Land Surface Temperature, Aerosol Optical Depth and Water Vapor Sentinel-3 Products (LAW)” Project: Overview and Main achievements | Claire LEJOSNE et al. |
| 60 | 63529 | Performance Evaluation of Land-HYPSTAR® as Compared to Multi-Mission Optical Satellites | Mohammadmehdi Saberioon et al. |
| 61 | 64674 | An autonomous multi-band albedometer for long-term monitoring and calibration of optical satellites | Sara Arioli et al. |
| 62 | 64004 | HYPERNETS water validation site in the Río de la Plata (Argentina) | Ana Dogliotti et al. |
| 63 | 64770 | HYPERNETS the land component | Agnieszka Bialek et al. |

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| 64 | 64833 | DIMITRI-Toolbox: present and future evolutions | Bahjat Alhammoud et al. |
| 65 | 64958 | Level-1 Radiometric Validation Status of Sentinel-2/MSI and Sentinel-3/OLCI from the Copernicus OPT-Mission Performance Cluster | Bahjat Alhammoud et al. |
| 66 | 65032 | Early radiometric performance of Landsat 9 Operational Land Imager-2 | Julia Barsi et al. |
| 67 | 65155 | Analysis of the On-Orbit Geometric Calibration of the SLSTR Thermal Infrared Channels | Mireya Etxaluze et al. |
| 68 | 65211 | Quality Control Manager for Land Monitoring Services | Lukas Brodsky et al. |
| 69 | 65379 | The Copernicus Ground Based Observations for Validation (GBOV) service for vegetation product validation: achievements from Phase 1 and perspectives for Phase 2 | Luke Brown et al. |
| 70 | 67373 | Distribution of pre-operational HyperScout 2 data into Copernicus: calibration and validation | Nathan Vercruyssen et al. |
| 71 | 64058 | European Space Agency (ESA) Calibration/Validation Strategy for Optical Land-Imaging Satellites (Part II): Data gaps, challenges and way forward | Fabrizio Niro et al. |

B1.06 Sentinel-1 mission performance and product evolution

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 4 | 67445 | SAR meets atmosphere: Enhanced SAR signal understanding by combining SAR and NWP model information in Austria | Michael Avian et al. |
| 5 | 64376 | Towards NRT Sentinel-1 ARD products: model based atmospheric corrections for improved geolocation | Antonio Valentino et al. |
| 6 | 65413 | Is it possible to preprocess Sentinel-1 SAR data more efficiently by taking benefit of the satellites' high orbit stability? | Claudio Navacchi et al. |
| 7 | 63366 | Copernicus Sentinel-1 satellites - Operational precise orbit determination at the Copernicus POD Service | Marc Fernández et al. |
| 8 | 63324 | Radiometric Comparison of the Sentinel-1 SAR Constellation | Kersten Schmidt et al. |
| 9 | 63046 | Statistical Homogenization of Sentinel-1 Wide-Swath Intensity Images of Ocean Scenes | Roland Romeiser |
| 10 | 64120 | The Sentinel-1 Global Backscatter Model extension over the polar zones and sea ice regions. | Bernhard Bauer-Marschallinger et al. |
| 11 | 67323 | DEM Generation with Sentinel-1: Interferometry vs. Radargrammetry | Karlheinz Gutjahr |
| 12 | 64298 | Exploration for Visual and Analytical Interpretation of Digital Elevation Models Retrieved from Sentinel-1 | Yen-Yi Wu et al. |
| 13 | 65300 | Performance evaluation of Sentinel-1 derived DEMs using Copernicus DEM and ICESat-2 | Carolin Walper et al. |
| 14 | 66538 | Multi-platform and multi-orbit surface deformation detection by synergic utilization of TSX and S1 InSAR data | Daniel Marton Kovacs et al. |

B2.03 CryoSat: 12 years in space of ESA's ice mission

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 402 | 70953 | CryoSat Payload Data Ground Segment | Stefano Badessi et al. |
| 403 | 71110 | CryoSat-2 - 12 Years of Successful Operations | Jens Lerch et al. |
| 404 | 70985 | CryoTEMPO-EOLIS: Elevation Over Land Ice from Swath processing of CryoSat-2 SARIn mode data | Carolyn Michael et al. |
| 405 | 71023 | Cryo-TEMPO: A new era of CryoSat-2 Thematic Products over Ice, Ocean and Inland Water | Malcolm McMillan et al. |
| 406 | 70970 | 12 years of CryoSat Quality Control: Evolution and Current Status of the Ocean Processors [POSTER] | Erica Turner et al. |
| 407 | 70964 | 12 years of CryoSat Quality Control: Evolution and Current Status of the Ice Processors [POSTER] | Erica Turner et al. |
| 408 | 70971 | Evaluation and scientific exploitation of CryoSat ocean products for oceanographic studies | Chris Banks et al. |
| 409 | 71014 | 12 years of Cryosat-2 range, datation and interferometer calibration with Transponder | Adrián Flores de la Cruz et al. |

B3.01 ALTIUS

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B3.03 PROBA-V and PV-CC

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| 72 | 64075 | Evaluation of orbital drift effect in Proba-V Surface Reflectances time series | Fabrizio Niro |
| 73 | 63238 | Evaluation of PROBA-V reprocessing to Collection 2: preliminary analyses over 1 year | Carolien Toté et al. |
| 74 | 64466 | Proba-V MEP Marketplace: A New Platform for Operationalization of Third-party Services | Hande Erdem et al. |

B8.03 Synergistic exploitation of Copernicus Sentinels: examples of applications

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 255 | 66354 | Synergetic multisensor land use and land cover classification for sustainable development of water resources in the Muringato sub-catchment, Kenya | Marcus Goebel et al. |
| 256 | 65242 | Introducing the Feature of Interest for targeted and reductive Sentinel signal extraction in the context of the CAP Checks by Monitoring | Pavel MILENOV et al. |
| 257 | 63925 | A processing framework for monitoring of land management with optical and radar data | Daniele Borio et al. |
| 258 | 63736 | Monitoring intertidal topography using Sentinel-1, Sentinel-2 imagery and SWOT | Edward Salameh et al. |
| 259 | 63066 | Multitemporal Sentinel-1 Images for Characterization and Discrimination of Young Forest Stands Under Regeneration and Forest Disturbance Monitoring | Vahid Akbari |
| 260 | 63396 | OptiSAIL: a system for the simultaneous retrieval of soil, leaf, and canopy parameters and its application to Sentinel-3 Synergy (OLCI+SLSTR) top-of-canopy reflectances | Simon Blessing et al. |
| 261 | 63130 | Understanding maize cropping patterns using Sentinel-2 data | Mbali Mahlayeye et al. |
| 262 | 65074 | An all-purpose synergistic Sentinel-3 cloud masking algorithm | Ralf Quast et al. |
| 263 | 66423 | InSAR-based Ground Motion Service of Sweden: evaluation and benefit analysis of a nationwide InSAR service | Mehdi Darvishi et al. |
| 264 | 65476 | Exploiting the Sentinel 1 Extra Wide swath archive for InSAR-based glaciological investigations in East Antarctica | Jelte van Oostveen et al. |
| 265 | 64219 | E-SHAPE GEOSS for Disasters in Urban Environment pilot: the 21-22 October 2019 event in north-western Italy | Martina Lagasio et al. |
| 266 | 62470 | Construction activities detected by Sentinel-1 and -2 from space | Lea Schollerer et al. |
| 267 | 64929 | Geodata enrichment for air quality | Niklas Selke et al. |
| 268 | 65465 | A posteriori fusion of atmospheric profiles: real data applications | Nicola Zoppetti et al. |
| 269 | 64586 | Synergistic exploitation of Sentinel-2 and Sentinel-3 for monitoring gas flaring and natural gas liquefaction plant operations. | Kerstin Stebel et al. |
| 270 | 63341 | Synergy of Sentinel 5P and ground measurements to estimate surface NO2 concentration using Machine Learning models | Shobitha Shetty et al. |
| 271 | 64036 | CO2M mission to support the achievement of the Paris Agreement | Marcy Frioult et al. |

E1.01 When FinTech meets Nature - linking green assets with innovation in financial and digital ecosystems

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 273 | 65433 | A case study of people buying carbon from farmers | Chris van Diemen et al. |

E3.03 Black Sea and Danube Regional Applications and Science

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 303 | 65444 | Employing Land Surface Phenology for the assessment of forest gain and loss around Lake Sevan in Armenia and Kolkheti lowlands in Georgia | Maria Banti et al. |

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| 304 | 65407 | PONTOS Data Cube: an innovative approach for environmental monitoring applied in the Black Sea and Mediterranean regions | Maria Banti et al. |
| 305 | 64051 | Monitoring fluvial islands of the Danube River based on Earth Observation Data | Andreea-Florentina Marin |
| 306 | 64297 | Earth Observation services for Black Sea Protection - EO4BSP | Marius Budileanu et al. |

E3.04 Baltic Sea Regional Applications and Science

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| 310 | 66899 | Cloud cover changes over Baltic Sea area in spring, 1982-2019 | Piia Post et al. |
| 311 | 62935 | Geodetic SAR for Height System Unification and Sea Level Research - Observation Concept and Results in the Baltic Sea | Thomas Gruber et al. |
| 312 | 63559 | Baltic SEAL: new insights into the mean and variability of the sea level in the Satellite Altimetry era | Marcello Passaro et al. |
| 313 | 63812 | Exploring synergies between remote sensing products developed under the framework of ESA Baltic+ initiative: Sea Surface Salinity and Sea Level | Cristina González-Haro et al. |
| 314 | 62960 | QUANTIFICATION OF SUBMERGED AQUATIC VEGETATION PERCENT COVER IN THE BALTIC SEA LOW TRANCPARENCY WATERS WITH SENTINEL-2 DATA | Ele Vahtmäe et al. |
| 315 | 63522 | Beach cast and drifting vegetation mapping with Sentinel-2 and PlanetScope | Florian Uhl et al. |
| 316 | 64076 | Combining satellite data and data mining to investigate Vibrio vulnificus abundance in the Schleswig-Holstein Baltic Sea region, Germany | Natascha Oppelt et al. |
| 317 | 66983 | Satellite Altimetry Performance Verified to Enhanced Hydrodynamic Model of the Baltic Sea | Majid Mostafavi et al. |
| 318 | 64438 | Evaluation of SMAP and Sentinel-2 Sea Surface Salinity measurements in the Baltic Sea | Saeed Rajabi Kiasari et al. |

A9.01 Continuity in Cryosphere observation: from Cryosat to CRISTAL

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 411 | 62728 | CRISTAL performance assessment: an end-to-end simulation approach | Albert Garcia-Mondéjar et al. |
| 412 | 67368 | Resonant Orbit Design for CRISTAL Mission | Laura Moreschi et al. |
| 413 | 63761 | Orbit accuracy at the 12th year anniversary of Cryosat-2 mission | Ernst Schrama et al. |
| 414 | 63978 | Sensitivity of radar altimetry waveform to snow properties | Melody Sandells et al. |
| 415 | 64835 | UAV Snow Radar for Validation of Satellite Products associated with Snow on Sea Ice | Robert Ricker et al. |
| 416 | 64805 | The ESA CryoSat-2 Validation Experiment (CryoVEx) airborne campaigns - past, present and future | Sine M. Hvidegaard et al. |
| 417 | 64912 | Defining Arctic sea ice Fiducial Reference Measurements (FRMs) for the Copernicus Sentinel-3 Surface Topography Mission – the ESA St3TART project | Henriette Skourup et al. |
| 424 | 64802 | DEFIANT: Drivers and Effects of Fluctuations in sea Ice in the ANTArctic | Andrew Shepherd et al. |
| 425 | 65673 | Satellite observations constrain subglacial melt rates and hydrology beneath the Antarctic Ice Sheet | Martin Wearing et al. |
| 426 | 66502 | Spurious variability in satellite-altimeter derived sea ice thickness | Carmen Nab et al. |

A10.01 Our Solid Earth: From Core to Surface

| <i>Board</i> | <i>ID</i> | <i>Title</i> | <i>Author</i> |
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| 475 | 65318 | Validation and interpretation of the 3-D upper-mantle electrical conductivity reconstructed from the satellite-observed tidal magnetic fields | Libor Šachl et al. |
| 476 | 67003 | Improving glacial isostatic adjustment estimates in Antarctica by means of geodynamically constrained structural models of the lithosphere and upper mantle | Meike Bagge et al. |

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| 477 | 63824 | Validation of VILMA-3D GIA models with multi-analysis-centre GNSS data | Eva Boergens et al. |
| 478 | 64793 | Effect of lateral and stress-dependent viscosity on GIA induced uplift rates in Greenland | Wouter van der Wal et al. |
| 479 | 63438 | Impact of lateral variations in crust and mantle structure on periodic loading processes | Pingping Huang et al. |
| 480 | 63868 | WINTERC-G-v2-beta: a global thermochemical model for the crust and whole mantle obtained from joint geophysical–petrological inversion. | Mariano S. Arnaiz-Rodríguez et al. |
| 481 | 64016 | Dynamic topography and satellite gravity data joint inversion using Reduced Order Models | Olga Ortega-Gelabert et al. |
| 482 | 64180 | Swarm and GRACE-FO time series compared | Josef Sebera et al. |
| 483 | 64566 | Constraining transdimensional density inversions with Rayleigh wave dispersion curves | Wolfgang Szwillus |
| 484 | 65322 | Lithospheric domains of the West and Central African rift system based on Terracing and Cluster analysis. | Estelle Eric Fosso Tegua M et al. |
| 485 | 66683 | The Elevated Passive Continental Margin of Northeastern Oman using SAR interferometry and multi-proxy data | Kosmas Pavlopoulos et al. |
| 486 | 64529 | Updated nationwide surface deformation datasets of the Ground Motion Service Germany | Andre Cahyadi Kalia et al. |
| 487 | 67379 | An analysis on the contribution of InSAR interferometry for seismic hazard management. A study case: San José (Costa Rica) | Carlos Garcia Lanchares et al. |
| 488 | 66947 | On the effect of compressibility on horizontal motions in glacial isostatic adjustment | Jesse Reusen et al. |
| 489 | 63660 | Benchmark forward gravity schemes: the gravity field of a realistic lithosphere model WINTERC-G | Bart Root et al. |
| 490 | 63946 | Impact of the Icelandic hotspot on mantle viscosity in southeast Greenland | Valentina R. Barletta et al. |
| 491 | 65434 | Co-estimating the geomagnetic field and polar ionospheric currents | Clemens Kloss et al. |
| 492 | 65019 | SV Signals in Magnetic Field Gradient Tensor Elements derived from Swarm-based GVOs | Magnus Danel Hammer et al. |
| 493 | 65198 | A re-examination of the 1969 geomagnetic impulse | Rasmus Møller Blangsbøll et al. |
| 494 | 65250 | Sequential modelling of the Earth's core magnetic field and associated core flow | Vincent Lesur et al. |
| 495 | 63240 | Satellite magnetic data reveal interannual modes in Earth's core | Felix Gerick et al. |
| 496 | 63808 | Reconstruction of the Earth's core dynamics from assimilation of satellite and ground-based magnetic observations | Mathieu Istas et al. |
| 497 | 63171 | Recovery of interannual core motions: a synthetic study | Tobias Schwaiger et al. |
| 498 | 67060 | Slow slip event characterization and consistent large-scale coupling map of the Mexican subduction zone from joint InSAR – GPS analysis. | Erwan Pathier et al. |
| 499 | 62762 | Joint Inversion for East Antarctic Crustal Structure with a Mutual Information Constraint | Mareen Lösing et al. |
| 500 | 64525 | The lithospheric structure in Greenland from integrated geophysical modelling | Agnes Wansing et al. |
| 501 | 64193 | Influence of crustal and lithospheric heterogeneities to the geothermal heat flow beneath the East Antarctic Ice Sheet in the Wilkes Subglacial Basin | Maximilian Lowe et al. |