



OEMC GLOBAL WORKSHOP 2023

- PROGRAM -
Version 1.0

Day 1: Wednesday **Oct 4, 2023**

Time	Auditorium room	Conference room	Seminar room 1
13:30 - 15:00	<p>“Welcome Plenary” by Tomislav Hengl</p> <p>—</p> <p>“Open Earth Observation - Shaping the future by understanding the past” by Dr. Julia Wagemann</p> <p>—</p> <p>“The ESA Green Transition Information Factories - using Earth Observation and cloud-based analytics to address the Green Transition information needs.” by Patrick Griffiths</p>		
15:00 - 15:45	COFFEE BREAK		
15:45 - 17:15	<p>“GEOSS Platform Plus: European efforts to reinforce the use of Earth Observations globally” by Alessandro Scremin</p> <p>—</p>	<p>“Global Analysis-Ready and Cloud-Optimized (ARCO) Landsat Mosaics: Challenges and implementation strategies” by</p>	<p>“Reproducible and Reusable Remote Sensing Workflows” by Edzer Pebesma</p> <p>—</p> <p>“Distributed computing on large geodata from multiple sources using</p>

	<p>“COPERNICUS DATA SPACE ECOSYSTEM: IMMEDIATELY AVAILABLE DATA AND ASSOCIATED SERVICES” by Jędrzej Bojanowski</p> <p>—</p> <p>“C-SCALE: Implementing a European Big Copernicus Data Analytics platform to support the EU Green Deal” by Charis Chatzikyriakou</p>	<p>Leandro Leal Parente</p> <p>—</p> <p>“Monitoring the Earth System with xcube” by Gunnar Brandt, Tonio Fincke</p> <p>—</p> <p>“The Hydrography90m dataset: present offering and future scope” by Giuseppe Amatulli, Tushar Sethi</p>	<p>the Julia Programming language” by Gregory Duveiller, Felix Cremer, Fabian Gans</p>
18:00	SOCIAL EVENT		

Day 2: Thursday **Oct 5, 2023**

Time	Auditorium room	Seminar room 1	Seminar room 2
9:00 - 10:30	<p>“Aggregating multiple emissions data for actors at all levels through a common schema in OpenClimate” by</p>		

	<p>Joaquin van Peborgh</p> <p>—</p> <p>Peter Strobl keynote title tbd</p> <p>—</p> <p>Rochelle Schneider keynote title tbd</p>		
10:30 -11:15	COFFEE BREAK		
11:15 - 12:45	<p>“Estimation of urban heat island integrating IoT sensors and EO thermal open data” by Raniero Beber</p> <p>—</p> <p>“From low-cost AirQuality stations to open standard (OGC SensorThings) and open data with open source solutions (FROST + QGIS plugin for sensors)” by Piergiorgio Cipriano, Luca Giovannini</p> <p>—</p> <p>“Towards a better estimation of GPP for greenhouse gas accounting through the combined use of SIF, spherical grids and</p>	<p>“GEO Knowledge Hub to preserve and share EO applications: Introduction and practice” by Paola De Salvo, Felipe Carlos</p> <p>—</p> <p>“EcoDataCube.eu: An open environmental data cube for Europe” by Martijn Witjes</p>	<p>“Build and visualize your own raster data cube”</p> <p>by Leandro Parente, Murat Sahin</p>

	knowledge-guided AI " by Gregory Duveiller		
12:45 - 13:45	LUNCH BREAK		
13:45 - 15:15	<p>"Mapping land potential and tracking land degradation using EO data" by Julia Hackländer</p> <p style="text-align: center;">—</p> <p>"Use of airborne hyperspectral images in support to Alpine forest managers" by Thomas Maffei</p> <p style="text-align: center;">—</p> <p>"Machine learning ensembles for scalable crop yield modeling: Leveraging earth observation and a cloud-integrated spatial data infrastructure to support agricultural statistics" by Patric Brandt</p>	<p>"Building a Digital Twin Earth for the Water Cycle: State of the Art and Challenges" by Luca Brocca</p> <p style="text-align: center;">—</p> <p>"Tools for Long Time-Series Processing For Alpine Environments Monitoring" by Daniele Marinelli, Davide Andreatta</p>	<p>"OpenLandMap: Global ARCO environmental layers" by Tom Hengl</p>
15:15 - 16:00	COFFEE BREAK		
16:00 - 17:30	"Integrated data-driven analysis of climate, biosphere and	"OpenEO in action. Learn how to get started with openEO via the Web	

	<p>socio-economic co-variability: towards a planetary health index" by Gregory Duveiller, Fabian Gans, Wantong Li, Jeroen Smits, Markus Reichstein</p> <p>—</p> <p>"Airborne-based multi-modal geospatial data for local Green Deal" by Raniero Beber</p> <p>—</p> <p>"The System of Environmental Economic Accounting: connecting spatial data and users" by Arnan Azara</p>	<p>Editor, Python and R." by Peter Zellner, Michele Claus</p> <p>—</p> <p>"Machine Learning tools and systems support for EO data processing and applications" by Stathes Hadjiefthymiades</p>	
18:00	SOCIAL EVENT		

Day 3: Friday **Oct 6, 2023**

Time	Auditorium room	Conference room	Seminar room 1
9:00 - 10:30	"Monitoring deforestation in		

	<p>Amazonia: transitioning from visual interpretation to satellite time series analysis” by Gilberto Camara</p> <p>—</p> <p>”Global Land use and Land Cover monitoring: From Data to Impact” by Lindsey Sloat</p> <p>—</p> <p>Title TBD by Tom Crowther</p>		
10:30 - 11:15	COFFEE BREAK		
11:15 - 12:45	<p>”Monitoring Biodiversity in Agricultural Supply Chains: an Irish Case Study” by Cian White</p> <p>—</p> <p>”Biodiversity data cubes: spatial aggregation and uncertainty” by Damiano Oldoni</p> <p>—</p> <p>”Novel practical tools for the environmental management of natural parks” by Luca Giovannini,</p>	<p>”FAIR geospatial data: what stakeholders need and expect” by Nuno Queiroz Mesquita Caser de Sa</p>	<p>”Let's co-create the Green Deal Data Space”</p> <p>by Joan Maso, Quentin Groom</p> <p>—</p> <p>”In-situ Citizen Science Data for Training and Validation of the OEMC Monitors and other EO Mapping Models” by Milutin Milenkovic, Johannes Reiche</p>

	Martina Forconi		
12:45 - 1:45	LUNCH BREAK		
13:45 - 15:15	<p>“Mapping the diversity of land use following deforestation across Africa with active learning” by Robert Masolele</p> <p>—</p> <p>“Forest loss mapping based on Sentinel-1 time series” by Felix Cremer, Fabian Gans</p> <p>—</p> <p>“Overcoming Data Scarcity in Land Use Monitoring with Time-Weighted Dynamic Time Warping” by Victor Maus</p>		<p>“Predicting the future Earth under climate scenarios: an R tutorial” by Carmelo Bonannella</p> <p>—</p> <p>“Using spatial data to build a nested climate accounting network” by Joaquin van Peborgh</p>
15:15 - 16:00	COFFEE BREAK		
16:00 - 17:30	“Earth Observation Open Science		

	<p>and Innovation” by Anca Anghel</p> <p>—</p> <p>Title TBD - Wouter Arnoud Dorigo</p> <p>—</p> <p>Title TBD - Alessandro Cescatti</p>		
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