Open-Earth-Monitor
GLOBAL
WORKSHOP
2025

- PROGRAM -

Day 1: Wednesday, September 17, 2025

Time	Aula Magna *(Keynote and oral talks)*	Auletta *(Workshops)*
9:00 - 9:30	**REGISTRATIONS**	
9:30 - 10:00 10:00 - 10:30	**"From Vision to Impact: The OEMC Journey"** by Tomislav Hengl — **Keynote: "Evolving FAIR and Open Earth Observations in the Technology-Science-Policy Nexus"** by Martin Herold —	
10:30 -11:00	**COFFEE BREAK**	
11:00 - 11:20	**"Adapting the Planetary Health Index framework to sub-national scale for Europe"** - Gregory Duveiller	
11:20 - 11:40 11:40 - 12:00	**"Evolution of the Copernicus Land Monitoring Service (EvoLand) – project, results and public dissemination"** by Daniel Thiex — **"Assessing Climate Change Risk for the Private Sector: A Geospatial Approach Using OpenEarthMonitor in the European Reinsurance Sector"** by Codrina Maria Ilie	
12:00 - 13:30	**LUNCH BREAK**	
13:30 - 13:50	**"A Unified Tool to Access Flux Towers Data Worldwide:**	

13:50 - 14:10	**The Fluxnet Shuttle"** by Simone Sabbatini — **"Monitor-EO: an online tool for monitoring and evaluating impacts on land resources and ecosystems from restoration activities"** by Lorenzo De Simone	**Workshop 90': "OpenLandMap-soildb global dynamic soil data tutorial"** by Tomislav Hengl
14:10 - 14:30	**"Transfer Learning as a Solution for the Large Areas Classification Dilemma"** by Gilberto Camara, Felipe Carvalho —	
14:30 - 14:50	**"EuroGEO Green Deal Data Space Action Group - interoperability of forest monitoring data at regional, national, European, and global scales"** by Kaori Otsu	
15:00 - 15:30	**COFFEE BREAK**	
15:30 - 15:50	**"A framework of federal global ensemble digital terrain model"** by Yu-Feng Ho —	**Workshop 90': "Multi-language support for image time series analysis using SITS"** by Gilberto Camara
15:50 - 16:10	**"Global soil carbon and soil pH predictions for 2000-2024 at 30-m based on spatiotemporal Machine Learning and harmonized legacy soil samples and observations"** by Tom Hengl —	
16:10 - 16:30	**"High-Resolution Global Maps of Cocoa Farms Extent"** by Robert Masolele —	
16:30 - 16:50	**"Towards the Development of a Serbian Ground Motion Service (GMS-Serbia) Using Sentinel-1 InSAR Data: Necessity, Opportunities, and Future Directions"** by Miloš Basarić	

| 17:00-19:00 | **POSTER SESSION / NETWORKING (ATRIUM)**

"Bridging communities: How open source geospatial software stays relevant in science, policy, and industry" by Codrina Maria Ilie

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"From Dry to Desiccated: A New Paradigm for Flash Drought Monitoring over India" by VAIBHAV KUMAR

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"Improving the Reconstruction of the Hydrological Cycle through Satellite Observations: The Case Study of the Po River Basin" by Sindhu Kalimisetty

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"Air Quality Assessment at Regional Scale: How reliable is Low-Cost-Sensor Data for High-Resolution Spatiotemporal Prediction?" by Johannes Heisig

—

"Using Jensen-Shannon distance to better understand the role of landscape heterogeneity in the relationship between TROPOMI SIF product and Gross Primary Production" by Daniel E. Pabon-Moreno

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"Incremental steps towards near-real time enhanced drought monitoring combining remote sensing and model-based soil moisture products" by Jaime Gaona

—

"Digital Public Infrastructure for Ecological Variables: An Indian approach to public service delivery meets global best practices for disseminating climate data" by Trishal Kumar

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"Open EO-Based Monitoring of Drought–Flood Abrupt Alternation in Northwestern Mediterranean Basins" by Imane Serbouti

"Multi-Sensor Snow Cover Assessment over the Mediterranean Region" by Mohsin Tariq |

Day 2: Thursday, September 18, 2025

Time	Aula Magna *(Keynote and oral talks)*	Auletta *(Workshops)*
9:30 - 10:00 10:00 - 10:30	**Keynote:** **"Preventing Catastrophic Climate Change: The Role of In-Situ Data and Citizen-Collected Observations"** by Steffen Fritz — **Keynote:** **"Ten years of Advancing Forest Disturbance Monitoring with Sentinel-1 radar"** by Johannes Reiche	
10:30 -11:00	**COFFEE BREAK**	
11:00 - 11:20 11:20 - 11:40 11:40 - 12:00	**"Open Earth Monitor implementation on openEO"** by Dainius Masiliunas — **"Mapping Land Use Following Deforestation Across the Pan-Tropics with Sentinel Data" by** Robert Masolele — **"Advancing High-Resolution Drought Monitoring: Evaluating Remote Sensing Soil Moisture Products for Integration in OEMC Water Monitor"** by Eirini Trypidaki	
12:00 - 13:30	**LUNCH BREAK**	
13:30 - 13:50	**"Restoration at scale: Evaluating the progress of global restoration efforts using high spatial resolution time-series information of vegetation traits and indices"** by Felix Specker —	**Workshop 90':** **"Streamlining Snow Monitoring with openEO and CDSE"** by Valentina Premier

13:50 - 14:10	**"Predicting future tree species suitability across Europe with harmonized forest data and climate ensembles"** by Carmelo Bonannella	
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14:10 - 14:30	**"Integration of Radar and Optical Data for Identifying Tropical Forest Disturbances"** by Gilberto Camara, Felipe Carvalho	
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14:30 - 14:50	**"Multi-source Fusion Framework for Statistical Downscaling of Global Monthly Precipitation"** by Mustafa Serkan Isik	
15:00 - 15:30	**COFFEE BREAK**	
15:30 - 15:50	**"Developing Precipitation within Digital Twin Earth Hydrology – Leveraging the individual strengths of multiple products"** by Paolo Filippucci, Luca Ciabatta, Luca Brocca, Christian Massari	**Workshop 90':** **"Federal workflow to access GEDTM30, and improve it with airborne lidar"** by Yu-Feng Ho
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15:50 - 16:10	**"Assessing the Impact of Next Generation Gravity Missions on Precipitation Estimation over Europe"** by Muhammad Usman Liaqat	
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16:10 - 16:30	**"Leveraging Earth Observation to monitor the most impactful (yet unknown) human activity on the water cycle: irrigation"** by Jacopo Dari	
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16:30 - 16:50		

Day 3: Friday, September 19, 2025

Time	Aula Magna *(Keynote, oral talks and workshop)*
9:00 - 9:30 9:30 - 9:50 9:50 - 10:10	**Keynote: "CDSE and openEM – Collaboration at Scale"** by Grega Milcinski — **"Toward a global scale runoff estimation through satellite observations: the STREAM model"** by Francesco Leopardi — **"From Soil Grids and Spectral Analysis to Soil Mineral Composition Estimates"** by Christophe Van Neste
10:30 -11:00	**COFFEE BREAK**
11:00 - 12:30 12:30 - 12:50	**Workshop 90′: "Accessing Big Satellite LiDAR from Cloud"** by Yu-Feng Ho — **"Closing remark"** by Tomislav Hengl
13:00 - 14:30	**LUNCH BREAK AND DEPARTURES**
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