

# #AsitaAcademy2025 - Virtual Conference Program



**Venue: on-line**

**Dates: 16–17 December 2025**

**Tuesday, 16 December 2025**

Time	Chair	Session	Title & Theme	Presentations
09:00 – 10:00	Opening: E. Borgogno Mondino	Session 1 – Land Use and Spatial Planning	Land use analysis, urban regeneration, and landscape dynamics through remote sensing and GIS.	<ol style="list-style-type: none"> <li>1. Assessing Anthropogenic Impacts on Sicilian Landscapes: A Decadal Analysis of LULC Dynamics via Remote Sensing and GIS</li> <li>2. Spatio-temporal analysis of land consumption in the main Mediterranean islands</li> <li>3. Combined use of open data and machine learning algorithms to map the value of SOC in the soil in North Sardinia, Italy</li> <li>4. Planning and urban regeneration in small municipalities in Sardinia: GIS-based practices between territorial marginality and institutional innovation</li> </ol>
10:15 – 11:30	A. Ganga A. Marra	Session 2 – Energy, Mobility and Sustainable Infrastructure	Geodata, decision support systems and BIM/GIS integration for energy transition and infrastructure planning.	<ol style="list-style-type: none"> <li>1. SDSS for economic feasibility analysis in defining optimal Renewable Energy Community (REC) configurations for local energy planning and territorial cohesion</li> <li>2. Optimal spatial configurations of Renewable Energy Communities. The case study of Padula (Italy)</li> <li>3. Towards a BIM/GIS Integrated Approach for the maintenance of railway facilities: a pilot study in Cremona, Italy</li> <li>4. Geodata and webGIS to Map Accessibility for Transport Infrastructures</li> </ol>
11:45 – 12:45	P. Zamperlin C. Balletti	Session 3 – Cultural Heritage and Historical Landscapes	Digital reconstruction and GIS-based interpretation of historical and cultural heritage.	<ol style="list-style-type: none"> <li>1. Tracing the Invisible Front: reconstructing WW1 Defensive Landscapes in the Venetian Prealps</li> <li>2. Rails under Fire: GIS-Based Network Analysis of WWII Bombings on the Venetian Plain Railway System</li> <li>3. Spatial Pattern Analysis of Valsesia Urban and Cultural Landscapes: a Historical Perspective Assessment by GIS Tools</li> <li>4. Digital reconstruction of the historic rural landscape of Villa Barbaro in Maser. Integration of historical cartography and 3D modeling for the interpretation of cultural heritage</li> </ol>

## Wednesday, 17 December 2025

Time	Chair	Session	Title & Theme	Presentations
09:00 – 09:45	G. Pugliano F. Chiabrando	Session 4 – Geodesy and Advanced Surveying	High-precision surveying and geospatial deformation monitoring techniques.	<ol style="list-style-type: none"> <li>1. Temporal Merging of InSAR Deformation Time Series via Statistical Testing: Application to EGMS Ortho Data</li> <li>2. Head-to-head accuracy benchmark of four NRTK-enabled surveying platforms for architectural documentation</li> </ol>
09:45 – 10:00	Speech by Sponsor Esri Italia ArcGIS, Immagini e GeoAI per la Trasformazione Digitale Claudio Carboni, Solution Architect Esri Italia			
10:15 – 11:15	F. Giulio Tonolo M.A. Dessena	Session 5 – Environmental Monitoring and Natural Hazards	Geomatics and remote sensing techniques for environmental risk assessment and ecosystem monitoring.	<ol style="list-style-type: none"> <li>1. Verbano Cusio Ossola Fire Brigade experience in Rural Fire Service in Cannobio: Creation of a georeferenced GIS Web-Map to support decision-making in forest fire fighting in Val Grande National Park</li> <li>2. Integrated multispectral analysis for dynamic monitoring of bark beetle infestation in Picea abies stands in the Dolomites</li> <li>3. Exploitation of satellite products to investigate subalpine deep lakes trends and transitions</li> </ol>
11:30 – 12:30	C. Masetto M. Macchiaroli	Session 6 – Applied Geomatics for Environment and Society	Geospatial technologies for environmental protection, urban safety and spatial analysis.	<ol style="list-style-type: none"> <li>1. Geomatics-based tools supporting Environmental Crime Investigation</li> <li>2. Integrating AIS and Earth Observation Data to Evaluate Recreational Boating Impact on Posidonia oceanica Meadows: The Case Study of the Cyclades, Aegean Sea</li> <li>3. Multitemporal analysis of vegetational indices through unsupervised classification in the province of Reggio Calabria</li> <li>4. Evaluating the Safety of Urban Public Parks: An Application to the Barcelona Metropolitan Area</li> </ol>
12:30 – 12:45	Speech by Sponsor DIGISKY Aerial Imagery–Based Estimation of Snow Water Equivalent Index Deepak Sairam Madhusudhana Rao, Ludovico Pividori			