

#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">1. Assessing Anthropogenic Impacts on Sicilian Landscapes: A Decadal Analysis of LULC Dynamics via Remote Sensing and GIS2. Spatio-temporal analysis of land consumption in the main Mediterranean islands3. Combined use of open data and machine learning algorithms to map the value of SOC in the soil in North Sardinia, Italy4. Planning and urban regeneration in small municipalities in Sardinia: GIS-based practices between territorial marginality and institutional innovation
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">1. SDSS for economic feasibility analysis in defining optimal Renewable Energy Community (REC) configurations for local energy planning and territorial cohesion2. Optimal spatial configurations of Renewable Energy Communities. The case study of Padula (Italy)3. Towards a BIM/GIS Integrated Approach for the maintenance of railway facilities: a pilot study in Cremona, Italy4. Geodata and webGIS to Map Accessibility for Transport Infrastructures
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">1. Tracing the Invisible Front: reconstructing WW1 Defensive Landscapes in the Venetian Prealps2. Rails under Fire: GIS-Based Network Analysis of WWII Bombings on the Venetian Plain Railway System3. Spatial Pattern Analysis of Valsesia Urban and Cultural Landscapes: a Historical Perspective Assessment by GIS Tools4. 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

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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"> Temporal Merging of InSAR Deformation Time Series via Statistical Testing: Application to EGMS Ortho Data Head-to-head accuracy benchmark of four NRTK-enabled surveying platforms for architectural documentation
09:45 – 10:00	<p style="text-align: center;">Speech by Sponsor Esri Italia ArcGIS, Immagini e GeoAI per la Trasformazione Digitale – C. Carboni, Solution Architect Esri Italia</p>			
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"> 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 Integrated multispectral analysis for dynamic monitoring of bark beetle infestation in Picea abies stands in the Dolomites Exploitation of satellite products to investigate subalpine deep lakes trends and transitions
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"> Geomatics-based tools supporting Environmental Crime Investigation Integrating AIS and Earth Observation Data to Evaluate Recreational Boating Impact on Posidonia oceanica Meadows: The Case Study of the Cyclades, Aegean Sea Multitemporal analysis of vegetational indices through unsupervised classification in the province of Reggio Calabria Evaluating the Safety of Urban Public Parks: An Application to the Barcelona Metropolitan Area