

**9-10, June 2025**

Aula XXII, Faculty of Arts and Humanities  
Sapienza University of Rome

# **Unlocking GIS Potential Advanced Techniques and Foundational Theories**

convenors

Agostino Sotgia, University of Groningen  
Federica Vacatello Sapienza, University of Rome

**9, June 2025**

## **Institutional Welcoming**

10:00 F. R. Stasolla (Head of Department of Antiquities)

## **Greetings**

10:10 - A. Sotgia (University of Groningen) and F. Vacatello (Sapienza, University of Rome)

**10:30**

***Theories and Practices: New Insights, Methods, and Challenges***

**Moderator - A. Sotgia (University of Groningen)**

***Future-Proofing GIS: Balancing Predictive Power and Postdictive Insight.***

11:00 - C. Citter (University of Siena)

***Modeling Symbolic Landscapes on a GIS Platform: Theory, Methodology, and Case Studies.***

11:20 - E. Lucci (University of Bari Aldo Moro)

***Modelling the lived-in landscape through Maximum Entropy (MaxEnt) principle: potential and weaknesses in archaeological research.***

11:40 - G. Casagrande - D. Ricchiuti (Sapienza University of Rome)

***Quantity and quality: a multi-perspective GIS environment for archaeo-anthropological research.***

12:00 - P. Trapero Fernandez (Universidad de Cádiz)

***GIS Modeling for the Creation of Historical Models from Agronomic and Land Surveying Information***

12:20 - G. Avola (International Research Institute for Archaeology and Ethnology) and Nina Mirkovic (e-GEOS, Copernicus, Data Analytics, Cartography, Emergency & Security Services)

***Modeling GIS Potential in Underwater Archaeological Survey: From Systematic Methodology to Integrated Spatial Analysis***

12:40 Panel discussion

13.00 - 15:00 Lunch break

## ***Hands-On GIS !***

**15:00 - C. Citter (University of Siena)**

**16:00 - E. Lucci (University of Bari Aldo Moro)**

**17:00 - P. Trapero Fernandez (Universidad de Cádiz)**

**Reception !**

18:00

Museum of Classical Art

Faculty of Arts and Humanities, Piazzale Aldo Moro 5 - Roma

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# **Unlocking GIS Potential Advanced Techniques and Foundational Theories**

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Federica Vacatello Sapienza, University of Rome  
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**10, June 2025**

**10:00**

*Theories and Practices: Modeling Production, Land Use, and Territory Dynamics*

**Moderator - F. Vacatello (University of Rome)**

*Unlocking the Past: GIS Modeling of Land Use and Management Dynamics in the Monti della Tolfa (6th-15th Century)*

10:20 - F. Tomei (Ministero della Cultura Direzione Regionale Musei del Veneto)

***Least-cost path and cost surface analysis for modelling the role of ceramic production in rural Classical and Hellenistic Greece***

10:40 - A. Ferrandes - A. Masi - A. Pegurri (Sapienza University of Rome) - A. Sotgia (University of Groningen)

***The agricultural exploitation of the island of Ventotene (LT): between predictivity and postdictivity. A comparison of historical sources, archaeological evidence, paleobotanical data, and territorial analyses***

11:00 - A. Bezzolato (University of Milan)

***Designing a Geographic Information System for the Painted Tombs of Tarquinia: A Tool for Heritage Management and Conservation***

11:20 - F. Bufalino - M. Anzalone (University of Rome Tor Vergata)

***A GIS for the management and protection of archaeological areas in Central Sicily***

11:40 - C. Casolino (University "G. d'Annunzio", Chieti-Pescara)

***Settlements Dynamics in Eastern Moselle: from Late Antiquity to Middle Ages***

12:00 - M. Profka (National Institute of Cultural Heritage, Albania)

***Settlement Patterns during the Bronze and Iron Ages in Southeastern Albania: a GIS analysis of environmental and geospatial factors***

12:20 - P. Rosati (Sapienza University of Rome)

***The GIS, Historical Sources, Archaeology, and Anthropology in the Study of a Territory: Roviano (Sublacense Valley, Rome)***

12:40 - E. Rossetti - M.V. David (Sapienza University of Rome)

***Navigability and ports in the area of Mediolanum. The course of the Vettabbia in the light of GIS***

13:00 Panel discussion

13:30 - 14:30 Lunch break

***Hands-On GIS !***

**14:30 - F. Tomei (Ministero della Cultura Direzione Regionale Musei del Veneto)**

**15:30 - P. Rosati (Sapienza University of Rome)**

**Participation in the afternoon workshop is open to all, with a maximum of 20 participants. For further information and to register, please contact [federica.vacatello@uniroma1.it](mailto:federica.vacatello@uniroma1.it)**