



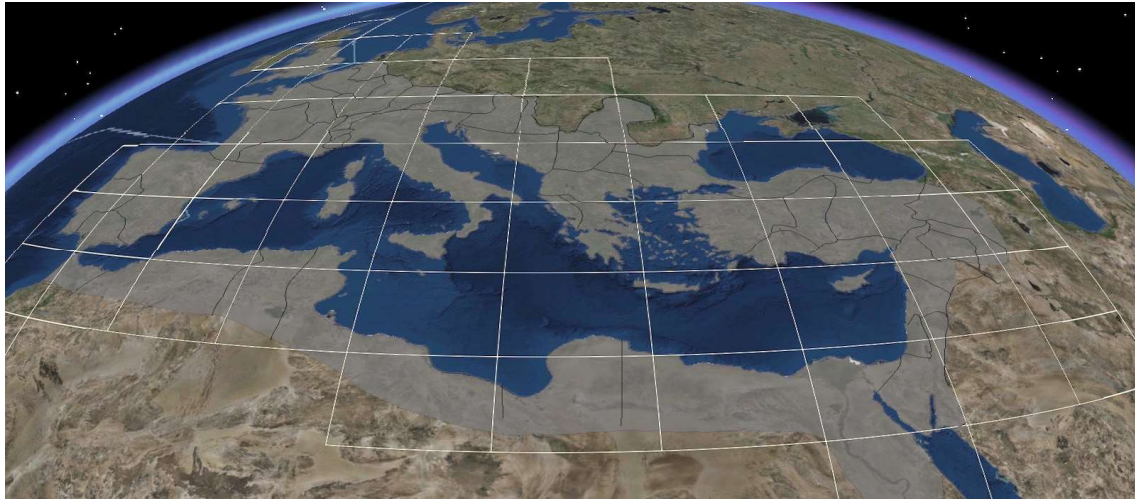
Institut  
d'Estudis  
Catalans

IEC  
**ICAC**  
Institut Català  
d'Arqueologia Clàssica

SOCIETAT CATALANA D'ESTUDIS HISTÒRICS  
Filial del Institut d'Estudis Catalans



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<https://tir-for.iec.cat/>

# 1st TIR-FOR SYMPOSIUM

## From territory studies to digital cartography

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**Institut d'Estudis Catalans, Carrer del Carme, 47, 08001 Barcelona, Spain**

The great possibilities offered by digital cartography have made it an essential tool for investigating and disseminating knowledge of the Roman world. Joining efforts exponentially increases the potential of results from research and it is increasingly evident that important achievements require international networks of researchers with common goals and agreements regarding the methodology to be applied to their work.

Given this situation, it is of vital importance for the studies of settlement, communication networks and economic elements, toponymy and archaeological topography, as well as studies of the territory and landscape, that form the basis of many of these cartographic processes should use commonly agreed methodologies to allow, collectively, interaction and the construction of maps of the Roman world, exploring the huge potential offered by Linked Open Data. A network needs to be set up between the different research groups so they can reach agreements regarding the mapping of the elements under study and, at this point, evaluate the research being carried out and provide a forum for discussion.

For these reasons, the International TIR-FOR Commission is organising the FIRST TIR-FOR SYMPOSIUM, an event to encourage reflection and discussion regarding the inextricable interaction between research into settlement, territory

and archaeological topography and digital cartography. The Symposium is therefore open to researchers interested in this field.

### MONDAY, October 26th 2020

8:30 Inauguration of the symposium: **Joandomènec Ros**, president of the Institut d'Estudis Catalans, IEC and **Josep Guitart**, president of the TIR-FOR International Commission

#### **SESSION 1. Present and future of the international TIR-FOR project**

CHAIR: **Josep Maria Palet** (Catalan Institute of Classical Archaeology, ICAC)

8:40 Talk: **Marta Prevosti** (IEC and ICAC), **Pau de Soto** (ICAC), **Núria Romaní** (ICAC and Autonomous University of Barcelona, UAB), **Ada Cortés** (Sapienza University of Rome and ICAC) and **Josep Guitart** (IEC)  
*The new digital TIR-FOR project*

9:20 **Luisa Migliorati**, **Laura Ebanista** and **Ilaria Trivelloni** (Sapienza University of Rome)  
*International World Map: a history spanning centuries*

9:50 Coffee break

10:10 **Florin-Gheorghe Fodorean** (Babes-Bolyai University Cluj-Napoca)  
*TIR-FOR Romania. State of research*

10:40 **Judyta Rodzińska-Nowak** (Jagiellonian University in Kraków)  
*Mapping the barbarian world - outline of the issues*

11:10 **Georgios Zachos** (Academy of Athens, Research Center for Antiquity) and **Vyron Antoniadis** (National Hellenic Research Foundation, Institute of Historical Research)  
*From map to gazetteer and back again*

11:40 **Fathi Bejaoui** and **Moèz Achour** (National Institute of Heritage, Tunisia)  
*Le projet TIR-FOR et la Carte Nationale des Sites Archéologiques et des Monuments Historiques*

12:10 Discussion

#### **SESSION 2. Digital maps of the Roman world and specialised applications**

CHAIR: **Luisa Migliorati** (Sapienza University of Rome)

12:40 Talk: **Johan Åhlfeldt** (University of Gothenburg)  
*Digital Maps and historical gazetteers: function and importance for digital historical research*

13:25 Discussion

13:45 Lunch

CHAIR: **Florin-Gheorghe Fodorean** (Babes-Bolyai University Cluj-Napoca)

15:00 **Jacopo Turchetto** (University of Padova)  
*From 'Flatland' to the real world. Archaeological mapping in the digital age*

15:30 **Andreas Külzer** (Austrian Academy of Sciences, Division of Byzantine Research)  
*Reconstructing Medieval Landscapes: the Austrian Research Project Tabula Imperii Byzantini and its Work in Western Anatolia*

16:00 **Francis Tassaux** (Ausonius Institute –Bordeaux Montaigne University)  
*AdriAtlas - Atlas informatisé de l'Adriatique antique*

16:30 **Clement Coutelier** and **François Didierjean** (Ausonius Institute – Bordeaux Montaigne University)  
*Aquitaviae, projet de carte dynamique participative des voies de l'Aquitaine romaine*

17:00 **Pau de Soto** (ICAC)  
*Viator-e. The roads of the Western Roman Empire*

17:30 Coffee break

18:00 **POSTER SESSION**

CHAIR: **Núria Romaní** (ICAC and UAB)

## POSTERS

**Jesús Ignacio Jiménez Chaparro** and **Alicia Ruiz Gutiérrez** (University of Cantabria, Group AHIR)  
*Digital resources for mapping the population movement in the Roman Empire*

**Eduard Angelats** (Technological Centre of Telecommunications of Catalonia, CTTC/CERCA - Geomatics division), **Francesc C. Conesa** (ICAC), **Catalina Mas Florit** (University of Barcelona, UB - Archaeological and Archaeometric Research Group, ERAAUB), **Marc Salom** (independent researcher), **Miguel Ángel Cau Ontiveros** (UB-ERAAUB)  
*Multi-sensor and multi-temporal mapping of the Roman city of Pollentia (Alcúdia, Mallorca): the ARCHREMOTELANDS project approach*

**Francesc C. Conesa** (ICAC), **Eduard Angelats** (CTTC/CERCA - Geomatics division), **Catalina Mas Florit** (UB-ERAAUB), **Agustin Lobo**

(Institute of Earth Sciences Jaume Almera - CSIC), **Miguel Ángel Cau Ontiveros** (UB-ERAAUB)

*Big Earth Data and multi-temporal vegetation trends in north-western Mallorca: implications for the optimal monitoring of archaeological cropmarks*

**Giovanna Cera** (University of Salento)

*The contribution of the digital cartography to the reconstruction of the ancient walls of Brundisium*

**Davide Mastroianni** (Gruppo di Ricerca per il Mezzogiorno Medievale, GRIMM)

*La lettura del paesaggio antico per la definizione dell'Ager Hatrianus interno. Il pagus di Cellino Attanasio*

## TUESDAY, October 27th 2020

### SESSION 3. *Studies of landscape, settlement and archaeological topography and digital cartography*

CHAIR: **Georgios Zachos** (Academy of Athens, Research Center for Antiquity)

8:30 Talk: **Héctor Orengo** and **Josep M. Palet** (ICAC, Research Group GIAP)  
*Anàlisi del paisatge integrat: més enllà de la distribució de jaciments / Análisis del paisaje integrado: más allá de la distribución de yacimientos*

9:15 Discussion

9:25 **Florin-Gheorghe Fodorean** (Babes-Bolyai University Cluj-Napoca)  
*Landscape archaeology in northern Dacia. Potaissa and its surroundings*

9:55 **Antoni Martin Oliveras and Victor Revilla** (UB-CEIPAC), **Lisa Stubert** (University of Potsdam - Institute of Environmental Sciences and Geography) and **Sebastian Vogel** (Leibniz Institute for Agricultural Engineering and Bioeconomy, ATB)  
*Geospatial-economic studies and archaeological data analysis applied to ancient viticultural landscapes. The case of Laetanian Roman wine, Hispania Citerior Tarraconensis*

10:25 Coffee break

CHAIR: **Judyta Rodzińska-Nowak** (Jagiellonian University in Kraków)

- 10:45 **Laia Catarineu** (UAB)  
*Assentaments militars romans del nord-est de la Hispania Citerior (Catalunya i la vall de l'Ebre) en les primeres etapes de la romanització. Estudi del cas i proposta de caracterització i identificació*
- 11:15 **Luis-Gethsemani Pérez-Aguilar** (Institute of Archaeology - Merida, CSIC - Junta de Extremadura)  
*La realización de mapas de densidades para la investigación del poblamiento antiguo. El entorno del Bajo Guadalquivir (SO de España) entre los siglos II y IV d.C. como caso de estudio.*
- 11:45 **Francisco Javier Catalán González** (University of Cadiz)  
*Dehesa de Bolaños y Cortijo de Frías. Análisis histórico-arqueológico e interpretación de su paisaje en época romana.*
- 12:15 **Pierfrancesco Izzo** (independent researcher) and **Giuseppina Renda** (University Campania Luigi Vanvitelli)  
*The Calore river: Settlements and Roads in the Roman Time*
- 12:45 **Josep Maria Palet** (ICAC), **Maria Jesús Ortega** (ICAC) and **Carme Miró** (Archaeological Service of Barcelona)  
*The territory of Roman Barcino: methodological advances applied to the study of a centuriated landscape*
- 13:15 Lunch
- CHAIR: **Ada Cortés** (Sapienza University of Rome and ICAC)
- 14:45 **Bartomeu Vallori Márquez** (UB - ERAAUB)  
*Rescue archaeology data and GIS redefining a classical town: the Roman city of Palma (Mallorca, Balearic Islands)*
- 15:15 **Francesca Carinci** (Sapienza University of Rome) and **Antonio Leopardi** (Università del Salento)  
*Modellazione e analisi dei geodati per la ricostruzione del paesaggio di Privernum (Priverno, Lazio, Italy)*
- 15:45 **Thomas Schattner** (German Archaeological Institute)  
*Munigua (Villanueva del Río y Minas, Sevilla)*
- 16:15 **Dario Canino** and **Alessandro Vecchione** (Sapienza University of Rome)  
*Peltuinum. City and landscape between tradition and new techniques*
- 16:45 Coffee break
- CHAIR: **Pau de Soto** (ICAC)
- 17:05 **Marc Ferrer Fernández** (UB)  
*Las vías pecuarias medievales del Baix Montseny y el método del camino óptimo.*

- 17:35 **Marçal Díaz Ros** (UB)  
*Factors de localització de les comunitats monàstiques del Penedès medieval*
- 18:05 **Marco Moderato** (University of Chieti–Pescara)  
*Integrating historical cartography, written accounts and satellite images for the reconstruction of past landscapes: the case of Madayi (Kerala, India)*
- 18:35 Closing remarks by Symposium Chair

**Oral presentations: 20 minutes for presentation and 10 minutes for discussion.**

**The symposium will be held as a webinar.**

**Online attendance is free of charge but registration is compulsory to obtain the link to the Symposium.**

**The languages of the Symposium are Catalan, Spanish, English, French and Italian.**

**ORGANISED BY:** Institut d'Estudis Catalans (IEC), Institut Català d'Arqueologia Clàssica (ICAC) and Societat Catalana d'Estudis Històrics (SCEH)

<https://tir-for.iec.cat/>

**Scientific Committee:**

Josep Guitart (IEC)

Marta Prevosti (IEC, ICAC and SCEH)

Luisa Migliorati, Laura Ebanista (Sapienza University of Rome)

Fathi Bejaoui and Moez Achour (National Institute of Heritage, Tunisia)

Judyta Rodzińska-Nowak (Jagiellonian University in Kraków and Polish Academy of Arts and Sciences)

Mihai Bărbulescu (Babeş-Bolyai University Cluj-Napoca and Romanian Academy)

Florin-Gheorghe Fodorean (Babeş -Bolyai University Cluj-Napoca)

Georgios Zachos (Academy of Athens, Research Center for Antiquity)

Núria Romaní (ICAC and UAB)

Ada Cortés (Sapienza University of Rome and ICAC)

Pau de Soto (ICAC)

Antoni González Senmartí (Rovira i Virgili University and ICAC)

Ferran Arasa (IEC and University of València)

Josep M. Palet and Héctor Orengo (GIAP - ICAC)

**Registration:** <https://www.iec.cat/jornades/tirfor2020.asp>

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