



Institut  
d'Estudis  
Catalans

IEC  
ICAC<sup>R</sup>  
Institut Català  
d'Arqueologia Clàssica

SOCIETAT CATALANA D'ESTUDIS HISTÒRICS  
Filial de l'Institut d'Estudis Catalans



<http://blogs.iec.cat/sceh/>

# 1st TIR-FOR SYMPOSIUM

## From territory studies to digital cartography

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**Institut d'Estudis Catalans. Calle del Carme, 47 (08001 Barcelona)**

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 1st 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, 26th OCTOBER 2020

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8:30 h *Inauguration of the symposium:*

**Joandomènec Ros**, president of the Institut d'Estudis Catalans, IEC

**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 h *Talk.* "The new digital TIR-FOR project".

**Marta Prevosti** (ICAC-IEC), **Pau de Soto** (ICAC), **Núria Romaní** (ICAC – Autonomous University of Barcelona, UAB), **Ada Cortés** (Sapienza University of Rome - ICAC) and **Josep Guitart** (IEC)

9:10 h "International World Map: a history spanning centuries".

**Luisa Migliorati**, **Laura Ebanista** and **Iliaria Trivelloni** (Sapienza University of Rome)

9:40 h *Coffee break*

10:00 h "TIR-FOR Romania. State of research".

**Florin-Gheorghe Fodorean** (Babeş-Bolyai University)

10:30 h "Mapping the barbarian world - outline of the issues".

**Judyta Rodzińska** (Jagiellonian University)

11:00 h "From map to gazetteer and back again".

**Georgios Zachos** (Academy of Athens, Research Centre for Antiquity) and **Vyron Antoniadis** (National Hellenic Research Foundation, Institute of Historical Research)

11:30 h "Le projet TIR-FOR et la Carte Nationale des Sites Archéologiques et des Monuments Historiques".

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

12:10 h DISCUSSION

### SESSION 2. DIGITAL MAPS OF THE ROMAN WORLD AND SPECIALISED APPLICATIONS

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

12:40 h *Talk.* "Digital Maps and historical gazetteers: function and importance for digital historical research".

**Johan Åhlfeldt** (University of Gothenburg)

13:25 h DISCUSSION

13:40 h *Lunch*

CHAIR: **Florin-Gheorghe Fodorean** (Babeş-Bolyai University)

15:00 h "From 'Flatland' to the real world. Archaeological mapping in the digital age".

**Jacopo Turchetto** (University of Padua)

15:30 h "Reconstructing Medieval Landscapes: the Austrian Research Project *Tabula Imperii Byzantini* and its Work in Western Anatolia".

**Andreas Külzer** (Austrian Academy of Sciences, Division of Byzantine Research)

16:00 h "AdriAtlas - Atlas informatisé de l'Adriatique antique".

**Francis Tassaux** (Ausonius Insitute –Bordeaux Montaigne University)

16:30 h "Aquitaviae, projet de carte dynamique participative des voies de l'Aquitaine romaine".

**Clement Coutelier** and **François Didierjean** (Ausonius Insitute - Bordeaux Montaigne University)

17:00 h "Viator-e. The roads of the Western Roman Empire".

**Pau de Soto** (ICAC)

17:30 h *Coffee break*

18:00 h POSTER SESSION

CHAIR: **Núria Romaní** (ICAC-UAB)

## POSTERS

"Digital resources for mapping the population movement in the Roman Empire".

**Jesús Ignacio Jiménez Chaparro** and **Alicia Ruiz Gutiérrez** (University of Cantabria, Group AHIR)

"Multi-sensor and multi-temporal mapping of the Roman city of Pollentia (Alcúdia, Mallorca): the ARCHREMOTELANDS project approach".

**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)

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

**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)

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

**Giovanna Cera** (University of Salento)

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

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

## TUESDAY, 27th OCTOBER 2020

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### SESSION 3. STUDIES OF LANDSCAPE, SETTLEMENT AND ARCHAEOLOGICAL TOPOGRAPHY AND DIGITAL CARTOGRAPHY

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

8:30 h *Talk*. "Análisis del paisaje integrado: más allá de la distribución de yacimientos"

**Héctor Orengo** and **Josep M. Palet** (ICAC, Research Group GIAP)

9:15 h DISCUSSION

9:25 h "Landscape archaeology in northern Dacia. Potaissa and its surroundings".

**Florin-Gheorghe Fodorean** (Babeş-Bolyai University)

9:55 h "Geospatial-economic studies and archaeological data analysis applied to ancient viticultural landscapes. The case of Laetanian Roman wine, *Hispania Citerior Tarraconensis*".

**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)

10:25 h *Coffee break*

CHAIR: **Judyta Rodzińska** (Jagiellonian University)

10:45 h "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".

**Laia Catarineu** (UAB)

11:15 h "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".

**Luis-Gethsemaní Pérez-Aguilar** (Institute of Archaeology - Merida, CSIC - Junta de Extremadura)

11:45 h "Dehesa de Bolaños y Cortijo de Frías. Análisis histórico-arqueológico e interpretación de su paisaje en época romana".

**Francisco Javier Catalán González** (University of Cadiz)

12:15 h "The Calore river: Settlements and Roads in the Roman Time".

**Pierfrancesco Izzo** (independent researcher) and **Giuseppina Renda** (University Campania Luigi Vanvitelli)

12:45 h "The territory of Roman Barcino: methodological advances applied to the study of a centuriated landscape".

**Josep Maria Palet** (ICAC), **Maria Jesús Ortega** (ICAC) and **Carme Miró** (Archaeological Service of Barcelona)

13:15 h *Lunch*

CHAIR: **Ada Cortés** (Sapienza University of Rome - ICAC)

14:45 h "Rescue archaeology data and GIS redefining a classical town: The Roman city of Palma (Mallorca, Balearic Islands)".

**Bartomeu Vallori Márquez** (UB-ERAAUB)

15:15 h "Modellazione e analisi dei geodati per la ricostruzione del paesaggio di Privernum (Priverno, Lazio, Italy)".

**Francesca Carinci** (Sapienza University of Rome) and **Antonio Leopardi** (University of Salento)

15:45 h "Munigua (Villanueva del Río y Minas, Sevilla)".

**Thomas Schattner** (German Archaeological Institute)

16:15 h "*Pelutinum*. City and landscape between tradition and new techniques".

**Dario Canino** and **Alessandro Vecchione** (Sapienza University of Rome)

16:45 h *Coffee break*

CHAIR: **Pau de Soto** (ICAC)

17:05 h "Las vías pecuarias medievales del Baix Montseny y el método del camino óptimo".

**Marc Ferrer Fernández** (UB)

17:35 h "Factors de localització de les comunitats monàstiques del Penedès medieval".

**Marçal Díaz Ros** (UB)

18:05 h "Integrating historical cartography, written accounts and satellite images for the reconstruction of past landscapes: the case of Madayi (Kerala, India)".

**Marco Moderato** (D'Annunzio University of Chieti–Pescara)

18:35 h CLOSING REMARKS BY SYMPOSIUM CHAIR

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

→ Languages of the symposium are Catalan, Spanish, English, French and Italian.

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#### ORGANISED BY:

Institut d'Estudis Catalans (IEC), Catalan Institute of Classical Archaeology (ICAC) and Societat Catalana d'Estudis Històrics (SCEH)

#### SCIENTIFIC COMMITTEE:

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Ferran Arasa (Universidad de Valencia - IEC)

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

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

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