



**Participation**

**Belgium** Ghent University **Croatia** The National and University Library **Czechia** Czech Technical University in Prague; Charles University in Prague **Denmark** Royal Library **Estonia** National Library **France** Université de Versailles Saint-Quentin-en-Yvelines **Germany** FAU Erlangen-Nurnberg; Technical University of Berlin, Freie Universität **Greece** Aristotle University of Thessaloniki; Ionian University; Harokopio University **Holy See** Biblioteca Apostolica Vaticana **Honduras** Universidad Nacional Autonoma **Hungary** Eötvös Loránd University; National Széchényi Library **Italy** University of Bologna; Roma Tre University; University of Brescia; Biblioteca Hertziana -Max Planck Institute for the History of Art, Rome; Fondazione Civiltà Bresciana - Centro Giulio Aleni, Brescia **Latvia** University of Economics and Culture **Poland** Polish Academy of Sciences; **Portugal** University Nova of Lisbon **Russia** Russian Academy of Sciences, VNIIGeoSystem **Serbia** National Library **Singapore** National Archives of Singapore, National Library Board **Slovenia** National and University Library **South Africa** Skylab Management Research in Benoni **Spain** Instituto Geográfico Nacional; Institut Cartogràfic i Geològic de Catalunya; Universidad Politécnica de Madrid; Universidad Autónoma de Madrid; Universidad de Alcalá; Universitat de Barcelona; Universidad de Valladolid; Sociedad Geográfica Española; Geographic Information National Center of Spain (CNIG); Instituto de Ciencias del Patrimonio (Incipit) CSIC; Develmap Sl. **Switzerland** Swiss Federal Institute of Technology in Zurich; Klokan Technologies GmbH **United Kingdom** King's College London; University of Manchester; National Library of Scotland; Queen's University Belfast; University of Liverpool **United States** American Geographical Society Library; University of Wisconsin-Milwaukee; Purdue University; Pacific Grove Public Library; Princeton University; Stanford University

The Madrid2018 Conference is supported by: the AUTH CartoGeoLab - Laboratory of Cartography & Geographical Analysis, the AUTH Library and Information Centre and the international web journal e-Perimeton for sciences and technologies affined to history of cartography and maps.



**Scientific Board ICA**

Georg Gartner *Vienna*  
László Zentai *Budapest*  
Pilar Sánchez-Ortiz *Madrid*  
Evangelos Livieratos *Thessaloniki*  
Carme Montaner *Barcelona*  
Mátyás Gede *Budapest*  
Ferjan Ormeling *Utrecht*  
Liqiu Meng *Munich*  
Francesco Guerra *Venice*  
Francisco Javier González Matesanz *Madrid*  
Andrea Nanetti *Singapore*  
Chris Fleet *Edinburgh*  
Gabriele Bitelli *Bologna*  
Stuart Dunn *London*  
Marcy Bidney *Milwaukee*  
Eva Novotná *Prague*  
Joaquim Alves Gaspar *Lisbon*  
Leif Isaksen *Exeter*  
Alida Metcalf *Houston*  
G. Salim Mohammed *Stanford*

**Local Organisers**

Mónica Groba López  
Marcos Pavo López  
Judith Sánchez González  
Ángela del Carmen Ruiz Ramírez  
Enrique Rojo Fernández  
Ana Isabel Martín Martínez  
Antonio Basauri López  
Javier Mouzo Trillo  
*Madrid*

**Commission Support**

Chrysoula Boutoura  
Alexandra Kousoulakou  
Angeliki Tsorlini  
Aikaterini Nasta  
Angeliki Hatzigeorgiou  
Maria Pazarli  
Nopi Ploutoglou  
Elpida Daniil  
*Thessaloniki*



**Links**

icaci.org  
cartography.web.auth.gr/ICA-Heritage  
www.facebook.com/groups/Cartoheritage.international  
cartography.web.auth.gr/ICA-Heritage/MAGIC  
www.e-perimeton.org

The ICA Commission on Cartographic Heritage into the Digital is supported voluntarily by colleagues and units from: Cartographic and Geologic Institute of Catalonia, *Barcelona*; University IUAV of Venice, *Venice*; National Library of Scotland, *Edinburgh*; Eötvös Loránd University, *Budapest*; Ionian University, *Corfu*; Aristotle University of Thessaloniki, *Thessaloniki*.



Join us! Become the new Supporting Institution

# Conference Programme

International Cartographic Association Member International Council of Scientific Unions

**MADRID 2018**

13th Conference of the International Cartographic Association Commission on Cartographic Heritage into the Digital

**DIGITAL APPROACHES TO CARTOGRAPHIC HERITAGE**

Instituto Geográfico Nacional  
**18-20.4.2018**  
Madrid

GOBIERNO DE ESPAÑA, MINISTERIO DE FOMENTO, INSTITUTO GEOGRÁFICO NACIONAL, SECFT, GOBIERNO DE ESPAÑA, MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE, BNE, MUSEO NAVAL, ICA, ACI, MAGIC, Cartoheritage Into the Digital, AUTH CartoGeoLab, e-Perimeton, Library 90 Information Centre, and various university logos.

cartography.web.auth.gr/ICA-Heritage/Madrid2018

170 Años Plano Oficial Madrid 1848-2018

ARISTOTLE UNIVERSITY OF THESSALONIKI, LABORATORY OF CARTOGRAPHY & GEOGRAPHICAL ANALYSIS, LABORATORY OF CARTOGRAPHY & GEOGRAPHICAL ANALYSIS, LIBRARY & INFORMATION CENTRE, 12 VENICE 2017, 11 RIGA 2016, 10 CORFU 2015, 9 BUDAPEST 2014, 8 ROME 2013, 7 BARCELONA 2012, 6 THE HAGUE 2011, 5 VIENNA 2010, 4 VENICE 2009, 3 BARCELONA 2008, 2 ATHENS 2007, 1 THESSALONIKI 2006

INTERNATIONAL CARTOGRAPHIC ASSOCIATION COMMISSION ON CARTOGRAPHIC HERITAGE INTO THE DIGITAL

MAPS & GEOINFORMATION CURATORS GROUP

cartography.web.auth.gr/ICA-Heritage/Madrid2018

## Wednesday 18 April 2018

11.00-12.00 Registration

**12.00-12.30 Opening Chair:** *P. Sánchez-Ortiz Rodríguez, M. Pavo*

### Welcome

Mónica GROBA LÓPEZ, *General Secretary IGN*

Fco. Javier GONZÁLEZ MATESANZ, *SECF President/ Deputy Director IGN*

László ZENTAI, *ICA Secretary General*

Evangelos LIVIERATOS, *ICA Commission Chair*

**13.00-14.00 Ice breaking**

**14.00-15.45 Session I Chair:** *M. Gede, M. Bidney*

14.00-14.15 ZENTAI L., G. GERCSÁK A Case Study on the Connection of Digital Humanities and Cartography: Hungarian place-names in English language maps

14.15-14.30 DUNN S. Ancient text, modern place: the spatial footprints of Cypriot placenames

14.30-14.45 CHÍAS P., T. ABAD, C. CAMARERO Mapping the Spanish royal sites: Digital cartography based on map-archival and written sources (16<sup>th</sup>-20<sup>th</sup> centuries)

14.45-15.00 GOERZ G., K. GEUS, T. MICHALSKY, M. THIERING Spatial Cognition in Historical Geographic Texts and Maps: Towards a cognitive-semantic analysis of Flavio Biondo's "Italia Illustrata"

15.00-15.15 MASETTI C., A. GALLIA A Digital Cartoheritage for Tourism and Territorial Enhancement around Rome. A Case Study

15.15-15.30 KOUSSOULAKOU A., T. M. MARKOMIHELAKI, Y. MITZIAS, C. TSAIRELI Cartoheritage, Literary and Map views of the city of Candia (14<sup>th</sup> - 17<sup>th</sup> cent.)

15.30-15.45 Discussion

**16.00-18.00 Guided Tours**

*End of working day*

## Thursday 19 April 2018

08.00-08.30 Registration

**08.30-10.45 Session II Chair:** *P. Patias, A. Nasta*

08.30-08.45 VARDAKOSTA I., S. KAPIDAKIS Current use and trends of Geospatial Collection Development Policies (GCDPs) in Map/GIS Libraries

08.45-09.00 T. SHAWA Princeton at the turn of the 20<sup>th</sup> Century: Building geospatial data to tie the 12<sup>th</sup> population Census (1900) of the United States to individual addresses

09.00-09.15 PAVO M., E. ROJO, J. SÁNCHEZ, A. RUIZ Sharing the value of our cartographic heritage: Open data policy in the National Geographic Institute of Spain

09.15-09.30 MOHAMMED G.S. The David Rumsey Map Center as a model for advancing Cartographic Digital Heritage: Lessons from a Multi-Functional Space

09.30-09.45 MOUZO TRILLO J. The Technical Archive and the Map Library of the Spanish National Geographical Institute (IGN): Documentation, accessibility and applications

09.45-10.00 BIDNEY M. Social Media Curation to Engage Cartographic Heritage Collections

The IGN exhibition "Oikoumene: the evolution of the Image of the World" will be open during the conference from 10:30 to 14:00.

10.00-10.15 TSORLINI A., C. BOUTOURA, A. NASTA, E. LIVIERATOS Searching for maps embedded in books in digital libraries environment

10.15-10.30 FLEET C. An open-source web-mapping toolkit for libraries

10.30-10.45 Discussion

10.45-11.00 **Coffee**

**11.00-13.00 Session III Chair:** *C. Fleet, G.S. Mohammed*

11.00-11.15 HAVLICEK J., J. CAJTHAML, T. JANATA, P. SEEMANN, R. ZIMOVA, J. D. BLAHA, P. TOBIAS, J. KREJCI Web and printed Czech Historical Atlas

11.15-11.30 ROSET R., F. NADAL 3D reconstruction of an exceptional map: the lever-nivelé de la place de Barcelona 1823-1827

11.30-11.45 FROLOV A., I. KONOVALOVA Reconstruction of the Black Sea Map in the Geographical Work of Abū al-Fidā'

11.45-12.00 SHCHEGLOV D. Georeferencing the Unidentified Places in Ptolemy's Geography: Some Methodological Pitfalls

12.00-12.15 GUSEV D., S. STAFEYEV GIS Analysis and Digital Reconstruction of Ptolemy's India beyond the Ganges, Serike and Sinae

12.15-12.30 PORTER C., K. LILLEY, C. LLOYD, S. MCDERMOTT, R. MILLIGAN Cartographic connections – the digital analysis and curation of sixteenth century maps of Great Britain and Ireland

12.30-12.45 BOUTOURA C., A. TSORLINI, E. LIVIERATOS Revisiting the French manuscript maps (1685-1687) of the Cycladic Archipelago

12.45-13.00 Discussion

13.00-14.15 **BREAK**

**14.15-15.45 Session IV Chair:** *E. Novotná, R. Roset*

14.15-14.30 SÁNCHEZ J., Á. RUIZ, S. NAVARRO, A. I. MARTÍNEZ Old maps of Madrid and interactive Web applications by National Geographic Institute of Spain

14.30-14.45 WALT R. Benefits and challenges of a user-focused, academic spatial data infrastructure as exemplified by geodata4edu.ch

14.45-15.00 BACHILLER A., C. SOTERES, J. SÁNCHEZ, A. SÁNCHEZ, P. ABAD, G. CANO, G. ANDRÉS, C. RUIZ, E. LÓPEZ Ancient Web Map Services

15.00-15.15 SÁENZ-LÓPEZ PÉREZ S., Old maps in digital era

15.15-15.30 Discussion

**16.00-18.00 Guided Tours**

*End of working day*

## Friday 20 April 2018

**08.30-10.30 Session V Chair:** *S. Dunn, R. Šolar*

08.30-08.45 TRACHET J. Painting/Mapping the medieval Landscape. A Landscape-archaeological analysis of the medieval landscape around Bruges as depicted by Pieter Pourbus

08.45-09.00 ANOYATIS PELE D., M. KAMONACHOU, A. AIDONIDIS, I. ATHANASOPOULOU The registries of the feuds or "anagraphies": source of surveying the rural area of Corfu during the 18<sup>th</sup> and 19<sup>th</sup> centuries

09.00-09.15 NOVOTNÁ E. 1518: Mikulas Klaudivan's first map of the Kingdom of Bohemia

09.15-09.30 JANATA T., J. CAJTHAML Vltava – transformation of historical landscape along with cultural and socio-economic activities in the river neighbourhood

09.30-09.45 LAVINS I. Sea ice conditions in the Baltic after Carta Marina by Olaus Magnus (1539)

09.45-10.00 YU C.D., H. LU, R. RANZI, A. TSORLINI, E. LIVIERATOS A new digital comparison of the Chinese World Maps of Giulio Aleni and Matteo Ricci

10.00-10.15 OLÁH K., M. GEDE Presentation of changes in the legend of celestial globes using virtual 3D models

10.15-10.30 Discussion

10.30-10.45 **Coffee**

**10.45-12.45 Session VI Chair:** *J. Cajthaml, A. Frolov*

10.45-11.00 IRÁS C., Z. UNGVÁRI Wheels of Geography – Interactive Renewal of Antique Educational Instruments

11.00-11.15 HEITZLER M., C. GKONOS, A. TSORLINI, L. HURNI A modular process to improve the georeferencing of the Siegfried map

11.15-11.30 GATTA G., G. BITELLI Dissemination of cartographic heritage and rediscovery of the past using digital geomatic tools: some experiences in Bologna (Italy)

11.30-11.45 PANECKI T. How to publish an old map? A case study on maps' editing methods

11.45-12.00 SŁOMSKA K. To doubt or not to doubt? That is the question. – basemap in historical cartography

12.00-12.15 GEDE M. Online annotation editor for virtual globes

12.15-12.30 JANÁK D. Historical interactive web maps with vector tiles

12.30-12.45 Discussion

12.45-13.45 **BREAK**

**13.45-15.30 Session VII Chair:** *C. Masetti, T. Panecki*

13.45-14.00 STAMNAS A., M. TASSOPOULOU, O. GEORGOULA, P. PATIAS Cartographic study of Thessaloniki's "shared sacred sites"

14.00-14.15 SVENNINGSEN S. R., M. L. PERNER Using GIS and historical digitized aerial imagery and maps to analyse information on Cold War Soviet military maps of Denmark

14.15-14.30 TASSOPOULOU M., A. STAMNAS, O. GEORGOULA, P. PATIAS Use of Greek Lighthouse Network to identify deformations in historical maps

14.30-14.45 ZAMORA MERCHÁN M. Landscape change and historical maps: ancient paths around the archaeological site of Polvoranca (Leganés, Madrid)

14.45-15.00 DE SOTO P. The evolution of the Iberian historical transportation networks through very detailed digitised models

15.00-15.15 DARÁNYI N., M. GEDE, M. BIRÓ Using historical maps in order to detect habitat change on the Great Plain (Hungary), between the 19<sup>th</sup> and 21<sup>th</sup> century

15.15-15.30 Discussion

**15.30-16.00 Summary - Closing Chair:** *L. Zentai, P. Sánchez-Ortiz Rodríguez, E. Livieratos, M. Gede*

*End of Conference*