

**International Cartographic Association  
Association Cartographique Internationale**



*Cartoheritage*  
**into the Digital**

**MAP@GEOINFORMATION  
CURATORS GROUP**

*Participation*

**Austria** Vienna University of Technology; Austrian Institute of Technology; Geological Survey of Austria **Belgium** Ghent University; University of Liege; Aquaterra Ltd **China** National Library of China; Ningbo University **Croatia** National and University Library in Zagreb **Czech Republic** Czech Technical University in Prague; Charles University in Prague; University of West Bohemia; Research Institute of Geodesy, Topography and Cartography **Denmark** The Royal Library **Estonia** National Library of Estonia **Finland** National Library of Finland **Germany** Berlin State Library; University of Würzburg **Greece** Aristotle University of Thessaloniki; Cartographic Heritage Archives by the General State Archives; Ionian University; National University of Athens; Hellenic Cartographic Society **Hungary** Eötvös Loránd University **Italy** University IUAV of Venice; University of Bologna; Polytechnic University of Milan; University of Trento **Japan** Ritsumeikan University; Toppan Printing Co. Ltd; The Museum of Kyoto **Latvia** National Library of Latvia; Latvian Geospatial Information Agency; Latvian State Forest Research Institute; University of Latvia; Riga Technical University **Lithuania** University of Vilnius; The National Center of Remote Sensing and Geoinformatics "GIS-Centras" **Netherlands** Leiden University; Utrecht University; VU University Amsterdam; Brill Publ. **Poland** Polish Academy of Sciences; University of Warsaw; National Library of Poland; Royal Castle in Warsaw Museum **Romania** Babes-Bolyai University **Serbia** National and University Library of Serbia **Slovenia** National and University Library of Slovenia **Spain** Cartographic and Geologic Institute of Catalonia; Institute of Catalan Studies **Sweden** International Map Year; National Library of Sweden; Uppsala University **Switzerland** Swiss Federal Institute of Technology in Zurich **Turkey** Selcuk University **United Kingdom** King's College London; The Open University; University of Lancaster; National Maritime Museum Greenwich **United States** Stanford University; Princeton University; Cornell University; American Geographical Society; University of Wisconsin Milwaukee; Pennsylvania State University; University of California Irvine; Purdue University; Colorado School of Mines; Michigan State University; University of Southern Maine



**BRILL**

Brill publishers organise a small display of cartography related books

The Riga Conference is supported by: the AUTH CartoGeoLab - Laboratory of Cartography & Geographic Analysis, the international web journal *e-Perimtron* for sciences and technologies affined to history of cartography and maps and the Hellenic Cartographic Society



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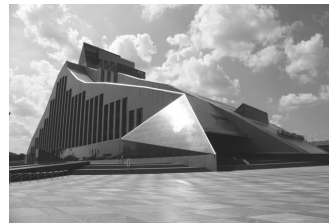
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www.lnb.lv



The LNB offers free wi-fi facility

*Links*

icaci.org  
mapyear.org  
cartography.web.auth.gr/ICA-Heritage  
www.facebook.com/groups/Cartoheritage.into.Digital  
cartography.web.auth.gr/ICA-Heritage/MAGIC  
www.e-perimtron.org

The ICA Commission on Cartographic Heritage into the Digital is supported by colleagues and units from the Cartographic and Geologic Institute of Catalonia, the University IUAV of Venice, the National Library of Scotland, the Eötvös Loránd University, the Ionian University and the Aristotle University of Thessaloniki



Join us! Become the new Supporting Institution

**RIGA, 20 — 22 April 2016**

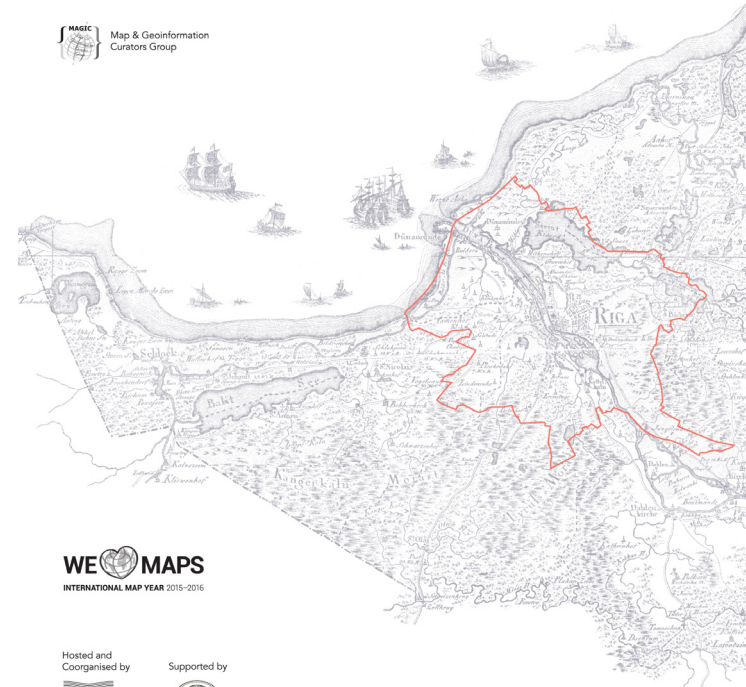
**11<sup>th</sup> ICA Conference**

Digital Approaches to cartographic Heritage



**20<sup>th</sup> MAGIC Conference**

The one who wants to last is the one who is willing to change:  
Old Maps for New User Profiles



based on: Der Rigische Kreis. Mellin, Ludwig August, 1754-1835

*Programme*

cartography.web.auth.gr/ICA-Heritage/Riga2016

## Wednesday 20 April 2016

### 13.00 The Library Tour

14.00-15.00 Registration

### 15.00-16.00 OPENING CEREMONY

Chair: Reinis VĀVERS | Carme MONTANER

### Welcome

Andris VILKS, Director, National Library of Latvia

Harijs BARANOVS, Director, Latvian Geospatial Information Agency

Renata ŠOLAR, MAGIC Board

Evangelos LIVIERATOS, ICA Commission Chair

### Keynote Speech

Georg GARTNER, ICA Past President, ICA Executive Committee

### 16.00-17.45 SESSION 1 Preamble

Chair: Ian FOWLER | Mátyás GEDE

16.00-16.15 CEKULA Z. Place names in the historic cadastral plan of Dinaburg county: localisation of place names in order to complete the place names database of Latvia

16.15-16.30 BALČIŪNAS A., D. ROMANOVAS, G. BECONYTĒ, V. NAREIKO, H. BERTULIS Cartographic archives at Lithuanian spatial data portal

16.30-16.45 RYSTEDT B. Swedish mapping in the Baltic countries

16.45-17.00 CROM W. The specialized information service "Cartography and Spatial base data" (SIS Cartography)

17.00-17.15 BIDNEY M., S. APPEL GEODEX 2.0: Saving a Legacy map series cartobibliography

17.15-17.30 LIVIERATOS E., C. BOUTOURA, A. KOUSOULAKOU, K. NASTA, M. GRIGORASKOU, A. SARAGIOTIS From library shelves of rare to cartographic unveiling: the manuscript maps of the "Recueil des Cartes de

Partie des Isles de l'Archipel levées sur les lieux par Sieur Raseau Ingénieur ordinaire du Roi", late XVII century

17.30-17.45 Discussion

### Ice breaking

## Thursday 21 April 2016

08.00-08.30 Registration

### 08.30-10.15 SESSION 2 Libraries – metadata models and data exchange standards

Chair: Marcy BIDNEY | Martijn STORMS

08.30-08.45 ČELKIS T., V. KARPOVA-ČELKIENĒ Reading signs: manuscript cartography sources of the 16th -19th century from the Vilnius University Library

08.45-09.00 SHAWA T.W. Map to geographic data: methods, standards, and workflows in extracting data from historical maps

09.00-09.15 WEESSIES K., K. WILSON The long road to map discovery: two multi-institutional projects

09.15-09.30 THIRY C. GIS-based discovery interface to paper map sets

09.30-09.45 VAN EGMOND M. Mapping early Utrecht printers and publishers: experiences with building a geographical interface

09.45-10.00 NOVOTNA E. Cartographic culture heritage belongs to UNESCO

10.00-10.15 Discussion

### 10.15-10.30 Break

### 10.30-12.15 SESSION 3 Geometric – thematic content analysis

Chair: Wolfgang CROM | Valdis BĒRZIŅŠ

10.30-10.45 GATTA G., G. BITELLI A historical GIS for the comparison of past and present views: Bologna, yesterday and today

10.45-11.00 LUKINS M., J. ZARINS Application of 17th and 19th century land cadastre maps to study land-use change in Vidzeme upland, Latvia

11.00-11.15 ABSHIRE C., D. GUSEV, S. STAFEYEV Enhanced mathematical method for visualizing Ptolemy's Arabia in modern GIS tools

11.15-11.30 DARÁNYI N. Changing pattern of land use on the lower part of

## The LNB Map Exhibition is open during the Conference

Ipoly river drainage basin

11.30-11.45 MASTRONUNZIO M., E. DAI PRÀ Editing historical maps: comparative cartography using maps-as-tools

11.45-12.00 BARANCSUK A., M. GEDE An online tool for semi-automatically recognizing unknown map projections on small-scale maps

12.00-12.15 Discussion

### 12.15-13.15 Break

### 13.15-15.15 SESSION 4 GLAM – Heritage culture, education, general public

Chair: Stuart DUNN | Haroldas BERTULIS

13.15-13.30 BALLETTI C., L. GALEAZZO, C. GOTTARDI, F. GUERRA,

P. VERNIER New technologies applied to the history of the Venice Lagoon

13.30-13.45 KORYCKA-SKORUPA J., T. NOWACKI, A. BANASZCZYK Cultural and natural heritage in the scientific work of cartographers from the University of Warsaw

13.45-14.00 GLISOVIC J. Protection of the Cartographic Heritage of Serbia  
14.00-14.15 RUITINGA L. Cartoheritage and digital presentation in a GLAM - organization

14.15-14.30 KOZICA K. Different states of the sea chart of the Gulf of Riga by Lucas Janszoon Waghenaeer (1534-1606) from his first sea atlas Spiegel der Zeevaert (1583/1585) in the Niewodniczański Collection Imago Poloniae at the Royal Castle in Warsaw

14.30-14.45 PAZARLI M., N. PLOUTOGLOU, E. DANIL Perceiving evolution of geospace by interacting with cartographic heritage: gained experience working with school children and teachers in the International Map Year 2015-16 Thessaloniki-agenda

14.45-15.00 MICHEV B. Map exhibits as an important tool for connecting Cartography and the Digital Humanities

15.00-15.15 Discussion

### 15.15-15.30 Break

### 15.30-17.30 SESSION 5 Map and textual archival sources

Chair: Markéta HYNDRÁKOVÁ | Keiji YANO

15.30-15.45 ISAKSEN L., R. SIMON, P. DE SOTO CAÑAMARES, E. BARKER An outlook to Pelagios Commons

15.45-16.00 DE COENE K. On text analysis and "close mapping"

16.00-16.15 ANOYATIS-PELÉ D., I. ATHANASOPOULOU, C. TSIAMIS,

C. BOUTOURA Cartographic heritage in the historical study of public health: the case of Ellis Island

16.15-16.30 LAVINŠ I. Longitude of the Mediterranean in "Kitāb Al Qānūn al-Mas,ūdi" by al-Bīrūnī.

16.30-16.45 DUNN S., H. THOMAIDES From bibliography to description: practices of citation from paper to digital mapping

16.45-17.00 KORODI E., Z. BARTOS-ELEKES The geological map of Transylvania by Hauer, Štur, Stache, 1863

17.00-17.15 Discussion

### End of working day

## Friday 22 April 2016

### 08.45-11.00 SESSION 6 Digitisation – Georeference

Chair: Annick ANCEAU | Milan TALICH

08.45-09.00 MÉSZÁROS J. The projection system of early flood control projects and its legacy in post WWII era in Hungary

09.00-09.15 CAJTHAML J., T. JANATA, Georeferencing of First Military Mapping survey maps in the area of Bohemia using polynomial method

09.15-09.30 BARTOS-ELEKES Z. Geo-referencing large scale maps: the cases of the Hungarian and Romanian cadastral maps of Cluj-Napoca

09.30-09.45 HAVLÍČEK J., J. CAJTHAML Comparison of georeferencing methods of multiple sheet map series – Muller's map of Bohemia  
09.45-10.00 PIEKIELEK N., H. ROSS, C. HENDERSON, A. HORVATH, K. HUDSON, Best practices for georeferencing large scale historical maps  
10.00-10.15 STORMS M. Maps in the crowd: results of a map georeferencing crowdsourcing pilot project

10.15-10.30 SEED P. Georeferencing for map scholars

10.30-10.45 Discussion

### 10.45-11.00 Break

### 11.00-12.45 SESSION 7 Visualisation – web providing issues

Chair: Patricia SEED | Karen DE COENE

11.00-11.15 VICHROVA M., M. KĚPKA, V. CADA Utilization of taxonomy of web map applications – case study on visualisation of Cartographic Heritage

11.15-11.30 PANECKI T., T. ZWIĄZEK The so-called Dutch Colonization in 18th c. Greater Poland: the research project on AtlasFontium.pl WebGIS platform

11.30-11.45 TALICH M., F. ANTOŠ, O. BÖHM, J. HAVRLANT, K. AMBROŽOVÁ, L. SOUKUP Chartae Antiquae.cz – results of the project Cartographic Sources as a Cultural Heritage

11.45-12.00 YANO K., M. YAMAJI, S. IMAMURA, M. KAWASHIMA, K. OKUKUBO, T. NISHIYAMA WebGIS-based application for comparing folding screens of Rakuchū rakugai-zu (Scenes in and around Kyoto) with maps

12.00-12.15 HOTEA M.D. ETHorama, map-based access to digital information resources

12.15-12.30 ROSET R., C. MONTANER Reusing digital cartographic contents online

12.30-12.45 Discussion

### 12.45-13.30 Break

### 13.30-15.30 SESSION 8 3-D and airborne-image issues

Chair: Jolanta KORYCKA-SKORUPA | Marco VAN EGMOND

13.30-13.45 BĒRZIŅŠ V. Data of airborne laser scanning – important source for map production and historical features detection

13.45-14.00 ZARINS J. Forest information studies based on historical forest digital maps and historical aero-photo

14.00-14.15 BILDIRICI I. O. Registration and visualization of analog maps in map mashups and virtual globe applications

14.15-14.30 FOWLER I., D. NEIKIRK Digital preservation of globes as three-dimensional cultural and educational artifacts

14.30-14.45 GEDE M. Automatic reconstruction of old globes by photogrammetric methods and its accuracy questions

14.45-15.00 ADAMI A., L. FREGONESE, C. TOGLIANO The marble map of the Duchy of Mantua: digitization and analysis

15.00-15.15 Discussion

### 15.15-15.30 SUMMARY - CLOSING

E. LIVIERATOS, C. MONTANER, M. GEDE

### End of working day

### Business Meetings

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