

Conference Programme

Wednesday 17 September 2025

Faculty of Science, Charles University

14.00-15.00 Registration

15.00-15.40 Opening Chair:

Novotná E. *Charles University, Faculty of Science*

Gede M. *Commission on Cartographic Heritage into the Digital, Chair*

Krylov V. *Charles University, Faculty of Science, Dean*

Šídlo L. *Charles University, Geographical Section of the Faculty of Science, Vice Dean*

President of the Czech Cartographic Society

Livieratos E. *ICA Honorary Fellow | CartoGeoLab AUTH*

15.40-17.25 Session I Chair:

15.40-15.55 KREJČÍ J., F. MUŽÍK, J. MÜNZBERGER, V. CEHÁK History of the Czech railways in digital.

15.55-16.10 POPELKA S., O. RUZICKA, J. BURIAN, J. ZEJDLIK, T. VANICEK, O. BITTNER, O. JAKUBEC Layers of Time: Comparing Past and Present of Olomouc Through Raster Maps.

16.10-16.25 MUŽÍK F. Using augmented reality to enhance the printed atlas of the Vltava River.

16.25-16.40 ŠTEFANOVÁ E. Landscape Changes Through 3D Reconstruction Using Archival Sources: A Case Study of Králodvorský Castle, Czechia.

16.40-16.55 ZANNOL S., C. BALLETTI Digital Historical Reconstruction of the Rural Landscape of Villa Barbaro in Maser Integrating Historical Cartography and 3D Modelling for the Interpretation of Cultural Heritage.

16.55-17.10 FIORINI G., C. BALLETTI Mapping Historical Events: Geomatic Techniques for the study of Napoleon's visit to Venice in 1807.

17.10-17.25 Discussion

17.30-18.30 Ice breaking

End of working day

Thursday 18 September 2025

Faculty of Science, Charles University

08.00-9.00 Registration

9.00-10.45 Session II Chair:

9.00-9.15 NOVOTNÁ E. Memory of World UNESCO revived.

9.15-9.30 JAKUBSKÁ J., J. PRCHAL Map Collection of the National Museum of Agriculture (Czech Republic).

9.30-9.45 BARTOS-ELEKES Zs., Zs. MAGYARI-SÁSKA Cholnoky photo and map collection's web services with online catalogue and search on interactive map.

9.45-10.00 TSORLINI A., T. PAPADOPOULOS, C. BOUTOURA, E. LIVIERATOS, I. TZIFOPOULOS DiLiMAPS - an interactive application for exploring historical maps combined with textual information from other sources.

10.00-10.15 KISS E. Archiving OpenStreetMap.

10.15-10.30 URBÁNEK Š., J. DROZDA, F. PAULUS, Š. STEINOVÁ Digitization of large-format documents from the conservator's point of view.

10.30-10.45 Discussion

10.45-11.00 Coffee break

11.00-12.30 Session III Chair:

11.00-11.15 BAYER T. Improving georeference of old maps using the inverse projection technique.

11.15-11.30 TIMÁR G., N. VARGA Map sections of the 'millennial' Hungarian Romanian border: sample for post-WW1 frontiers and georeferenced.

11.30-11.45. SLAVKOVSKY T. A Decade of Growth: Georeferencing on OldMapsOnline.

11.45-12.00. GEDE M. Automatized processing of mass amount of raw scanned cartographic heritage.

12.00-12.15 TSAIRIS G., P. BANOU, A.-A. KAMINARI, V. GERONTOPOULOU, A.-G. ALEXOPOULOU Advanced Imaging Techniques for the Material Analysis and Documentation of Rigas Velestinlis' Charta of Greece in the Onassis Foundation Collections.

12.15-12.30 Discussion

12.30-14.00 Lunch break

14.00-15.30 Session IV Chair:

14.00-14.15 REYES NUÑEZ J. J., H. GONDY-SEKERCIOGLU Following Columbus's Footsteps on Piri Reis's World Map.

14.15-14.30 LAMPROPOULOS G., D. ALEXAKIS A Digital Reassessment of André de Thevet's 16th-Century Aegean Island Maps.

14.30-14.45 FIORINI G., A. TSORLINI, C. BOUTOURA, E. LIVIERATOS Visualizing and comparing the Egean Islands in Isolarii between XV and XVII centuries.

14.45-15.00 MÜNZBERGER J., E. CHODĚJOVSKÁ Reconstructing a Grand Tour: Digital Storytelling of the Eggenberg Brothers' Journey.

15.00-15.15 KONICEK J., R. BARVIR, V. VOZENILEK Digitisation and Spatial Visualisation of Printed Travelogues via a Web Mapping Application.

15.15-15.30 Discussion

15.30-15.45 Coffee break

15.45-17.00 Session V Chair:

15.45-16.00 METCALF A., F. EL-DAHDAH, D. HEYMAN Thematic layers for imagineRio: Next Steps?

16.00-16.15 FIORINI G., G. SILA TAN, G. BITELLI The Medieval Towers of Bologna: a Historical GIS of the City's Skyline.

16.15-16.30 PAGKALIDIS A.-P., M. PSAROGIORGOS, A. TSORLINI Mapping Memory: An Interactive 3D Narrative of Florina's Architectural Heritage in 1912.

16.30-16.45 MAGYARI M. Characteristics of the HGIS for the settlements of Transylvania in relation to similar works.

16.45-17.00 Discussion

End of working day

Friday 19 September 2025

Faculty of Science, Charles University

08.30-9.00 Registration

9.00-11.00 Session VI Chair:

9.00-9.15 GUSEV D., S. STAFEYEV New Digital Reconstruction of Ptolemy's Iran, Afghanistan, Turkmenistan, and Balochistan.

9.15-9.30 KACZOROWSKI J. Cartographic palimpsest: A reinterpretation of the 1856 plan of Warsaw as a tool for education and historical analysis.

9.30-9.45 ČÁBELKA M., T. BAYER, J. CAJTHAML The Vltava River on old maps of Bohemia.

9.45-10.00 VOKURKA M. Map - Table - Text. Connecting Information on People and Land in early-18th Century Bohemia.

10.00-10.15 CHALKIDOU S., A.-D. MAKRIDOU Mapping the urban water streams of Thessaloniki through historic maps and aerial photos.

10.15-10.30 PAGKALIDIS A.-P., N. EVELPIDOU, C. LOUPASAKIS Evolution of the coastal zone, study of water level and shoreline changes of the Greek part of the Mikri and Megali Prespa Lakes, through the production and utilization of cartographic basemaps in an open-source Geographic Information System environment.

10.30-10.45 Discussion

10.45-11.00 Coffee break

11.00-12.30 Session VII Chair:

11.00-11.15 HEROLD H., A. HARTMANN, E. KISS Automated Detection of Landscape Features in Historical Maps to Support Sustainability Research.

11.15-11.30 BAYER T., J. SCHIER, M. ČÁBELKA Extraction and analysis of watersheds from early maps using AI/ML.

11.30-11.45 KROPÁČEK J. Repeated terrestrial photography for the assessment of landscape changes in the high mountain environment.

11.45-12.00 STACHOŇ Z., Y. TANG Reviving 18th-Century Landscapes: Digital Reconstruction of Land Use in the Czech Republic.

12.00-12.15 UMAIR M., M. FAISAL HANIF, S. BARONTINI, G. TIMÁR, R. RANZI Detection of land use and land cover changes between 19th and 21st century by means of a Corine—based reclassification of early 1800 Habsburg Empire maps of Central and Southern Europe: The case study of the Adda river basin.

12.15-12.30 Discussion

12.30-14.00 Lunch break

14.00-15.00 Session VIII Chair:

14.00-14.15 BRENDLE-MOCZUK d. To know a place we must know the past: British Columbia historical maps and some of their uses

14.15-14.30 BUTEREZ C., A. RADU, I. APOSTOL, A. DUMITRU Old maps and historical gazetteers. Documenting Romanian settlements (1904-1913).

14.30-14.45 DEMIRCI P., M. SOYCAN Investigating the Informative Power of Newspaper Maps: A Study on Map Literacy and Journalistic Cartography.

14.45-15.00 TASSOPOULOU M., D. LIMNIOTAKI The Road to Health: Integrating Cartoheritage and Care Facility Access. The Example of Athens Metropolitan Area.

15.00-15.15 Discussion

15.15-15.45 Summary-Closing Chair:

End of Conference



Participation (up to now)

Austria Technical University of Vienna **Czech Republic** Charles University; Czech technical university in Prague; Masaryk University; Palacký University Olomouc; VÚGTK, v.v.i.; National Museum of Agriculture; **Estonia** National Archives **Germany** Leibniz Institute of Ecological Urban and Regional Development (IOER); Federal Agency for Cartography and Geodesy; **Greece** Aristotle University of Thessaloniki; University of West Attica; Hellenic Open University; Institute for Mediterranean Studies - Foundation for Research and Technology; Onassis Library; Municipality of Athens **Hungary** Eötvös Loránd University **Italy** Alma Mater Studiorum University of Bologna; IUAV University of Venice; University of Brescia; Sapienza University of Rome **Romania** Babeş-Bolyai University **Switzerland** Klokant Technologies GmbH **The Netherlands** Utrecht University Library; Kadaster International **Turkey** Yıldız Teknik University **United Kingdom** British Library **United States** Purdue University; Rice University.

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The Prague2025 Conference is supported by: the AUTH CartoGeoLab - Laboratory of Cartography & Geographical Analysis; the AUTH School of Rural and Surveying Engineering; the ELTE Institute of Cartography and Geoinformatics; the Map Collection and the Geographical Library, Faculty of Sciences, Charles University, Prague; the Czech Cartographic Society; the AUTH Research Committee and the international web journal *e-Perimetron* for sciences and technologies affined to history of cartography and maps.



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Venue

Faculty of Science, Charles University
Albertov 6, 128 00, Prague 2

Map Exhibition

The Map Collection of Charles University could be visited on Thursday and Friday during the lunch break of the conference, from 12.30 to 14.00.

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.



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Conference Programme



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19th ICA Conference
Faculty of Science, Charles University
Prague, 17-19 September 2025
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