



8th International Workshop Digital Approaches to Cartographic Heritage Rome, 19-20 September 2013

Organized by the ICA Commission on Digital Technologies in Cartographic Heritage
and the Italian Geographic Society (Società Geografica Italiana)

Programme

Thursday, 19 September 2013

08:30-09:30 Registration

Opening, Welcome

09:30-10:15 S. Conti, President, Società Geografica Italiana
M. Colombo, Metis Systems S.r.l.

10:15-10:30 E. Livieratos, Chair, ICA Commission on Digital Technologies in Cartographic Heritage
L. Zentai, Secretary-General and Treasurer ICA, The way to Cartography 2.0: The implementation of the Digital Technologies in Cartographic Heritage in Cartography and in the ICA

10:30-11:00 *Coffee Break*

Session 1 Digitization, Digital Representation | Chair: László Zentai, Evangelos Livieratos

11:00-11:15 K. Ambrožová, M. Talich, Digitization of old globes

11:15-11:30 I. Iosifescu, A. Tsorlini, L. Hurni, Towards a comprehensive methodology for automatic vectorization of raster historical maps

11:30-11:45 H. Pridal, P. Pridal, HTML5 WebGL technology and scanned old maps

11:45-12:00 R. Simon, P. Pilgerstorfer, L. Isaksen, E. Barker, Towards semi-automatic annotation of toponyms on old maps

12:00-12:15 P. Vernier, M. Ballarin, Digitization of maps belonging to cultural heritage

12:15-12:30 B. Costes, Matching old hydrographic vector data from Cassini's maps

12:30-12:45 M. Colombo, Maps accurate digital reproductions can only be guaranteed by high quality and high geometric precision scanner

12:45-13:00 Discussion

13:00-15:00 *Lunch Break*

Session 2 Digital Analysis and Interpretation of Historic Maps | Chair: Gabrielle Bitelli, Caterina Balletti

15:00-15:15 E. Dai Prà, M. Mastronunzio, Rectify the river, rectify the map. Geometry and geovisualization of Adige river hydro-topographic historical maps

15:15-15:30 I. Laviņš, Islamic geographical tables and their place in Cartographic Heritage

15:30-15:45 E. Livieratos, C. Boutoura, A. Koussoulakou, N. Ploutoglou, M. Pazarli, A. Tsorlini, Karten von Attika: Delving into the geometric and thematic content of a monumental map series of Greek Cartographic Heritage

15:45-16:00 M. Piccardi, Small, medium and large scale maps in coastal studies. What happened to Arno's mouth between the XIVth and the XIXth cent.?

16:00-16:15 M. Pazarli, N. Ploutoglou, "Melito nunc Meleda...": A cartographic comment on historical maps of Apostle Paul's journeys

16:15-16:30 A. Metcalf, Water for a City: Using geo-referenced maps and geo-located images to enrich the history of Rio de Janeiro's fountains

16:30-16:45 Discussion

16:45-17:00 *Coffee Break*

Session 3 Digital Analysis and Interpretation of Historic Maps - Urban Cases | Chair: Carme Montaner, Alida Metcalf

17:00-17:15 C. Balletti, M. Calzavara, F. Guerra, M. Mazzanti, Walking through historical maps of Venice

17:15-17:30 P. Buonora, S. Le Pera, L. Sasso D'Elia, P. Micalizzi, S. Magaudo, G. De Marco, Descriptio Urbis - A WebGIS to reconstruct urban landscapes of Rome

17:30-17:45 K. Lelo, C. M. Travaglini, Historical Cartography and the study of urban cultural heritage: The case of Rome in the 18th century

- 17:45-18:00 *E. Arioti, G. Bitelli, G. Gatta*, Analysis in a digital environment of the multi-storey arrangement of the Gregorian Cadastre of Bologna (Italy) - XIX century
- 18:00-18:15 *B. Vannieuwenhuyze*, The "Digital Thematic Deconstruction" of early modern urban maps and bird's-eye views
- 18:15-18:30 Discussion
- 19:00-19:15 *The Mediterranean in the maps of the Library of the Italian Geographical Society. Presented by D.ssa Lina Maria Vitale - Director of the Library*
- 19:15-21:00 *Dinner*

Friday, 20 September 2013

08:30-09:00 Registration

- Session 4
09:00-09:15 Georeferencing, Digital Processing, Map Content | Chair: Paolo Buonora, Vassilis Tsioukas
M. Meini, D. Adducchio, D. Ciliberti, G. Di Felice, The landscape of transhumance. From historic maps to GIS intelligence
- 09:15-09:30 *Zs. Bartos-Elekes, G. Timár, Z. Imecs, Zs. Magyar-Sáska*, Georeferencing the topographic map of Wallachia (1855-1864)
- 09:30-09:45 *L. Cassi, L. Calzolari, F. Zan*, Transhumance and virtual globes
- 09:45-10:00 *J. Pacina*, Information system for preservation of old maps and aerial photographs in areas affected by open-cast mining
- 10:00-10:15 *G. Timár, Zs. Bartos-Elekes, V. Crăciunescu, C. Fluerau, Z. Imecs, Zs. Magyar-Sáska*, Danger doesn't vanish with the Dykes: Comparison of the inundation pattern of the 2006 Danube floods and the historical topographic map of 1864 of South Romania
- 10:15-10:30 *H. Dupont*, Denmark seen from above: Crowdsourcing aerial photographs
- 10:30-10:45 *V. Baiocchi, M. V. Milone, M. Mormile*, Georeferencing historic cartographies: methods and accuracies evaluation
- 10:45-11:00 Discussion
- 11:00-11:15 *Coffee Break*

- Session 5
11:15-11:30 Map collections, Digital Maplibraries, Archives, Web | Chair: Rafael Roset, Mira Miletić Orđer
R. Afferni, The experience of Geolat group about the project DAGOClaT - Digital Atlas with Geographical Ontology for Classical Texts
- 11:30-11:45 *A. Tzorlini, I. Iosifescu, C. Iosifescu, L. Hurni*, A methodological framework for analyzing digitally historical maps using data from different sources through an online interactive platform
- 11:45-12:00 *M. Calzavara, F. Contò, M. Gnesutta, M. Mazzanti, F. Rizzi*, The digital archives of Veneto's aerial photos
- 12:00-12:15 *I. Drecki*, New Zealand Cartographic Heritage: 150 years of government mapping
- 12:15-12:30 *A. Guarducci, G. Lauricella, L. Rombai*, The "Toscana Tirrenica (Tyrrhenian Tuscany)" digital archive. Maps, iconography and documents for a better understanding of landscape and cultural heritage
- 12:30-12:45 *V. Frazzica, F. Galletti, M. Orciani*, Gregorian Cadastre: the creation of a WebGIS from historical cartography through the techniques of classification of satellite images
- 12:45-13:00 Discussion
- 13:00-15:00 *Lunch Break*

- Session 6
15:00-15:15 Map collections, Digital Maplibraries, Archives, Web | Chair: Igor Drecki, Henrik Dupont
K. Irás, I. Elek, Digital Map Archive and map database of the Eötvös Loránd University
- 15:15-15:30 *E. Lo Sardo, A. Parisi, P. Buonora*, Ruggieri's Atlas of China online
- 15:30-15:45 *X. Rubio, M. Yubero-Gómez, F. X. Hernández, C. Montaner, R. Roset*, Maps of the Spanish Succession War (1700-1715): Contributions between map libraries and spatial analysis to commemorate an historical event
- 15:45-16:00 *M. Tosti Croce, S. Piali*, Territori, the Italian web portal of cadastres and historical cartography
- 16:00-16:15 *A. D'Ascenzo, A. Gallia, V. Santini*, "The places of Roma Tre". A WebGIS for our University
- 16:15-16:30 Discussion
- 16:30-16:45 *Coffee Break*

- Session 7
16:45-17:45 Round Table: Conclusions, Closing