

Digital Approaches to Cartographic Heritage

Riga 2016 Conference Proceedings

Edited by Evangelos Livieratos

ISSN 2459-3893

CHAPTER 1 - PREAMBLE

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

Balčiūnas A., D. Romanovas, G. Beconytė, V. Nareiko, H. Bertulis Cartographic archives at Lithuanian spatial data portal

Rystedt B. Swedish mapping in the Baltic countries

Crom W. The specialized information service “Cartography and Spatial base data” (SIS Cartography)

Bidney M., S. Appel GEODEX 2.0: Saving a Legacy map series cartobibliography

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

CHAPTER 2 - LIBRARIES – METADATA MODELS AND DATA EXCHANGE STANDARDS

Čelkis T., V. Karpova-Čelkienė Reading signs: manuscript cartography sources of the 16th -19th century from the Vilnius University Library

Shawa T.W. Map to geographic data: methods, standards, and workflows in extracting data from historical maps

Weessies K., K. Wilson The long road to map discovery: two multi-institutional projects

Thiry C. GIS-based discovery interface to paper map sets

van Egmond M. Mapping early Utrecht printers and publishers: experiences with building a geographical interface

Novotna E. Cartographic culture heritage belongs to UNESCO

CHAPTER 3 - GEOMETRIC – THEMATIC CONTENT ANALYSIS

Gatta G., G. Bitelli A historical GIS for the comparison of past and present views: Bologna, yesterday and today

Lukins M., J. Zarins Application of 17th and 19th century land cadastre maps to study land-use change in Vidzeme upland, Latvia

Abshire C., D. Gusev, S. Stafeyev Enhanced mathematical method for visualizing Ptolemy’s Arabia in modern GIS tools

Darányi N. Changing pattern of land use on the lower part of Ipoly river drainage basin

Mastronunzio M., E. Dai Prà Editing historical maps: comparative cartography using maps-as-tools

Barancsuk A., M. Gede An online tool for semi-automatically recognizing unknown map projections on small-scale maps

CHAPTER 4 - GLAM – HERITAGE CULTURE, EDUCATION, GENERAL PUBLIC

Balletti C., L. Galeazzo, C. Gottardi, F. Guerra, P. Vernier New technologies applied to the history of the Venice Lagoon

Korycka-Skorupa J., T. Nowacki, A. Banaszczyk Cultural and natural heritage in the scientific work of cartographers from the University of Warsaw

Glišović J. Protection of the Cartographic Heritage of Serbia

Ruitinga L. Cartoheritage and digital presentation in a GLAM-organization

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

Pazarli M., N. Ploutoglou, E. Daniil Perceiving evolution of geospace by interacting with cartographic

AUTH CartoGeoLab 2016

Publisher: CartoGeoLab - Laboratory of Cartography & Geographic Analysis

Aristotle University of Thessaloniki, Greece, April 2016

<http://cartography.web.auth.gr/cartogeolab>

heritage: gained experience working with school children and teachers in the International Map Year 2015-16

Michev B. Map exhibits as an important tool for connecting Cartography and the Digital Humanities

CHAPTER 5 - MAP AND TEXTUAL ARCHIVAL SOURCES

Isaksen L., R. Simon, P. De Soto Cañamares, E. Barker An outlook to Pelagios Commons

De Coene K. On text analysis and “close mapping”

Yingyan G. The maritime maps in traditional Chinese local records

Anoyatis-Pele D., I. Athanasopoulou, C. Tsiamis, C. Boutoura Cartographic heritage in the historical study of public health: the case of Ellis Island

Ľaviňš I. Longitude of the Mediterranean in “Kitāb Al Qānūn al-Mas’ūdī” by al-Bīrūnī.

Dunn S., H. Thomaidis From bibliography to description: practices of citation from paper to digital mapping

Korodi E., Z. Bartos-Elekes The geological map of Transylvania by Hauer, Štur, Stache, 1863

CHAPTER 6 - DIGITISATION – GEOREFERENCE

Mészáros J. The projection system of early flood control projects and its legacy in post WWII era in Hungary

Cajthaml J., T. Janata Georeferencing of First Military Mapping survey maps in the area of Bohemia using polynomial method

Bartos-Elekes Z. Geo-referencing large scale maps: the cases of the Hungarian and Romanian cadastral maps of Cluj-Napoca

Bai H., E. Cheng, H. Yi Digitization of Qianlong Beijing Map

Havlíček J., J. Cajthaml Comparison of georeferencing methods of multiple sheet map series – Muller’s map of Bohemia

Piekielek N., H. Ross, C. Henderson, A. Horvath, K. Hudson Best practices for georeferencing large scale historical maps

Storms M. Maps in the crowd: results of a map georeferencing crowdsourcing pilot project

Seed P. Georeferencing for map scholars

CHAPTER 7 - VISUALISATION – WEB PROVIDING ISSUES

Vichrova M., M. Kepka, V. Cada Utilization of taxonomy of web map applications – case study on visualisation of Cartographic Heritage

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

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

Yano K., M. Yamaji, S. Imamura, M. Kawashima, K. Okukubo, T. Nishiyama WebGIS-based application for comparing folding screens of Rakuchu rakugai-zu (Scenes in and around Kyoto) with maps

Hotea M. D. ETHorama, map-based access to digital information resources

Roset R., C. Montaner Reusing digital cartographic contents online

CHAPTER 8 - 3D AND AIRBORNE-IMAGE ISSUES

Bērziņš V. Data of airborne laser scanning – important source for map production and historical features detection

Zarins J. Forest information studies based on historical forest digital maps and historical aero-photo

Bildirici I. O. Registration and visualization of analog maps in map mashups and virtual globe applications

Fowler I., D. Neikirk Digital preservation of globes as three-dimensional cultural and educational artifacts

Gede M. Automatic reconstruction of old globes by photogrammetric methods and its accuracy questions

Adami A., L. Fregonese, C. Togliano The marble map of the Duchy of Mantua: digitization and analysis