



5<sup>th</sup> International Workshop on  
Digital Approaches in Cartographic Heritage

Vienna, 22-24 February 2010

# Program



ICA Commission on  
Digital Technologies in Cartographic Heritage  
<http://xeee.web.auth.gr/ICA-Heritage>



FORSCHUNGSGRUPPE  
KARTOGRAPHIE  
Research Group Cartography

# Monday, 22 Feb 2010

🕒 8:15

Registration

🕒 9:15

Workshop Opening

Keynote Presentation

🕒 9:30–10:00

- Panorama of the Austrian cartographic impact in the late 18<sup>th</sup>, 19<sup>th</sup> and early 20<sup>th</sup> century Greece. A strong example of the international character of Cartographic Heritage **EVANGELOS LIVIERATOS**

## Session 1

🕒 10:00–10:45

🎤 Georg Gartner

- New Features in MapAnalyst **BERNHARD JENNY**
- Explorative User Interfaces for Browsing Historical Maps on the Web **RAINER SIMON, JOACHIM KORB, CHRISTIAN SADILEK, RAINER SCHMIDT AND MATTHIAS BALDAUF**
- Challenges in Interactive Time-Based Information Visualization **CHRISTIAN LENDL AND PETER PURGATHOFER**

🕒 30' break

## Session 2

🕒 11:15–12:15

🎤 Evangelos Livieratos

- Georeferencing the Historical Cadastral Maps of Cluj-Napoca **ZSOMBOR BARTOS-ELEKES**
- Creation of Electronic Version for “The Atlas of Terrestrial Group Planets and Their Moons” and its Updating Possibilities **KIRA SHINGAREVA, IVAN ROZHNEV AND DMITRI ZHUKOV**
- Multidisciplinary dimension of the Virtual Globes Museum **MÁTYÁS MÁRTON AND GÁBOR GERCSÁK**
- Historic Virtual Planetary Globes and Maps **HENRIK HARGITAI AND MÁTYÁS GEDE**

🕒 60' break

## Session 3

🕒 13:15–14:45

🎤 Miljenko Lapaine

- Visualising Urban Geographies **RICHARD RODGER, CHRIS FLEET AND STUART NICOL**
- Impact of the internet users into the Map Library of Catalonia access collections **CARME MONTANER AND RAFAEL ROSET**
- Production of Maps for the Historical Atlas of Vienna by using Georeferenced Data **RENATE BANIK-SCHWEITZER**
- Mare Oraque Tusciae **ANNA GUARDUCCI, LEONARDO ROMBAI, MARCO PICCARDI**
- Navigating on the past, as a bird flight, at the territorial scale of historical topographic maps. WMS on the “Corografie delle Province del Regno Lombardo-Veneto”, for accessing cadastral map catalogue **D. ORENI, R. BRUMANA, M. SCAIONI AND F. PRANDI**
- OldMapsOnline.org: IIPImage, JPEG2000 and Georeferencer.org **PETR PŘÍDAL**

🕒 30' break

## Session 4

- Franz von Weiss' maps of SE Europe (1821, 1829) issued in two crucial dates associated with the establishment of the Modern Greek state in early 19th century: A digital comparative approach **NOPI PLOUTOGLOU, CHRYSOULA BOUTOURA, EVANGELOS LIVIERATOS AND MARIA PAZARLI**
- On the Generalkarte coverage of the northern part of Greece and its interactions with the relevant subsequent Greek map series **ALEXANDRA KOUSSOULAKOU, ANGELIKI TSORLINI AND CHRYSOULA BOUTOURA**
- An example of studying the evolution of a local geographic milieu in early 20th century Greece: Generalkarte (1900–1904) vs National mapping (1917) representations **ANGELIKI TSORLINI, MILTIADIS DANIL, MYRON MYRIDIS AND CHRYSOULA BOUTOURA**
- The von Scheda 1:300.000 map tradition as the basis for the official map coverage of Greece and its updating in late 19th century. **CHRYSOULA BOUTOURA, NOPI PLOUTOGLOU AND ANGELIKI TSORLINI**
- "Vienna, late 18th century...": Birth and importance of two monuments of Greek cartographic heritage, the Rigas Velestinlis' Charta and the An-thimos Gazis' Pinax, from a digital point of view. **MARIA PAZARLI, ANGELIKI TSORLINI AND EVANGELOS LIVIERATOS**

🕒 15:15–16:30

👤 Myron Myridis

🕒 30' break

## Session 5

- Topographic maps production on Croatian soil – project presentation **IVAN LANDEK AND IVAN GRUBIĆ**
- Processing old maps and drawings to create virtual historic landscapes **ARNOUD DE BOER**
- Cartographic heritage of Ljubljana and applications of spatial analysis **PODOBNIKAR TOMAŽ**
- Usage of historical maps for urban re-development **DALIBOR BARTONĚK**
- Digitalization of Cartographic Heritage of State Archives in Zadar – Present State, Problems and Possibilities **JOSIP FARIČIĆ, LENA MIROŠEVIĆ, MILJENKO LAPAIN AND DRAŽEN TUTIĆ**

🕒 17:00–18:15

👤 Gábor  
Gercsák

🍷 ice breaker  
party

# Tuesday, 23 Feb 2010

## Keynote Presentation

- The European Historical Atlas of Towns. Project, Vision, Achievements **FERDINAND OPLL**

🕒 9:00–9:30


## Session 6

- The Austrian Historical Atlas of Towns on DVD. A tool for comparative urban history **ANDREAS WEIGL**
- Digital Reconstruction of Perczel's Globe **MÁTYÁS GEDE, MÁTYÁS MÁRTON AND ZSUZSANNA UNGVÁRI**

🕒 9:30–10:30

👤 Philippe  
De Maeyer

[Session 6 cont.]

 30' break


- Surveyor Starzynski's plan in the Lodz Internet Land Information System - InterSIT **ADAM LAJDEFROST**
- The International EOD service **MILOS KORHON**

## Session 7

 11:00–12:30

 László Zentai

- Production line for data conversion (digitizing/vectorizing) of fair sheets (Hydrographic Survey 1945–2009) and probe sheets (Hydrographic Survey 1907–1909) **MENDI CALA, VALERIJA FILIPOVIC AND ZVONKO GRZETIC**
- Digitizing and georeferencing of the historical cadastral maps (1856–60) of Hungary **GÁBOR TIMÁR AND SÁNDOR BISZAK**
- Projection analysis and georeference of the old Hungarian geological maps **CSILLA GALAMBOS**
- Digitization of Old Maps Using Deskan Express 5.0 **DRAŽEN TUTIĆ AND MILJENKO LAPAINE**
- The georeferencing of Sámuel Lányi's Tisza maps **JÁNOS MÉSZÁROS**
- Analysis of geometrical properties and content of old maps – an example of map of croatian cartographer Fernando Consag – Croata Varasdinensis **MIRKO HUSAK**

 60' break

 14:00, 16:00


**Excursion Afternoon** *Details on page 6*

 18:30

**Workshop Dinner** *Details on page 7*

# Wednesday, 24 Feb 2010

## Session 8

 9:00–10:30


 Kira Shingareva

- Mappae mundi as virtual portals to actual Cultural Heritage **PATRIZIA LICINI**
- Cartographic heritage in the Zadar scientific and cultural institutions (Croatia) **DAMIR MAGAŠ, LENA MIROŠEVIĆ AND JOSIP FARIČIĆ**
- Old maps as a part of movable heritage accessible from the online map **ALBINA MOSCICKA AND MAREK MARZEC**
- Al Bīrūnī 's "Kitāb Al Qānūn al-Mas'ūdī" as the data base for the World Map reconstruction **IMANTS LAVINS**
- Late Renaissance survey techniques revealed by three maps of the old Po river Delta **GABRIELE BITELLI, STEFANO CREMONINI AND GIORGIA GATTA**
- Georeference and digitalization of cartographical collections of the University of Wrocław **WIESŁAWA ŻYSZKOWSKA, EWA SZYMKIEWICZ, ANNA OSOWSKA AND DARIUSZ PRZYBYTEK**

 30' break

## Session 9


 11:00–12:30

 Eszter Simonné-Dombóvári

- Investigation of uncertainty in spatial descriptions and its modeling **SIMON SCHUFFERT, DANIELA RICHTER AND JOACHIM WIESEL**
- New terminology of differentiating digital facsimiles **GÁBOR GERCSÁK AND MÁTYÁS MÁRTON**


- Integration of historical geographic data into current georeferenced frameworks: A user-centred approach **ERIC GROSSO**
- A management perspective in cartographic heritage **MARKUS JOBST**
- Changing Landscape in GIS Dynamization in Practice: Using Old Maps at Educational Project for Secondary Schools in South Moravia, Czech Republic **JAN TRÁVNÍČEK AND JAKUB TROJAN**
- A case study on the preservation of contemporary maps: orienteering maps **LÁSZLÓ ZENTAI**


[Session 9 cont.]


 60' break

## Session 10

- Historical Maps (starting since the 18th century) integration in digital environment for land cover change analysis. A case study for Campulung Depression (Northern Wallachia, Romania) **B. MIHAI, I. SAVULESCU AND T. DEMETER**
- GIS-based Paleo-hydrographical study for territorial development planning of the Reno basin using XVIII century Andrea Chiesa historical maps (Bologna, Italy). **MATTEO BRUSA, MICHELE SOLMI, GILMO VIANELLO AND LIVIA VITTORI ANTISARI**
- Cabrei historical maps and remote sensing technologies to understand landscape evolution and preserve rural invariants and typicalities (Bologna province, Italy). **MICHELE SOLMI, MATTEO BRUSA, MASSIMO GHERARDI AND GILMO VIANELLO**
- Polish land use and land cover maps **ELZBIETA BIELECKA, DARIUSZ DUKACZEWSKI AND MAREK BARANOWSKI**
- Archives of Nautical Charts and Publications, HHI Museum in Its Formative Stage **PEJO BROČIĆ, IVANA KORDIĆ AND EMIN SARAJLIĆ**
- The nautical charts of the Spanish Mediterranean coasts in the 18th and 19th centuries: digital methods to compare the cartographical techniques of the main European Navies **PILAR CHÍAS AND TOMAS ABAD**

 13:30–15:00


 Susanne Uhlirz

 30' break

## Session 11

- The Danube Mappation of Hungary (1823–45) and its reprojection to modern map coordinate systems **JÁNOS MÉSZÁROS AND GÁBOR TIMÁR**
- Differences of Ptolemy based cartography of Central Europe with respect to recent Czech Republic representations **ALZBETA BRYCHTOVA AND ANGELIKI TSORLINI**
- Altimetry on the Second Military Survey maps in the territories of Bohemia, Moravia and Silesia **MARTINA VICHROVA AND VACLAV CADA**
- Digital Documentation of Archaeological Heritage in Vienna **WOLFGANG BÖRNER AND SUSANNE UHLIRZ**
- Comparative analysis of the hydrographic network on the old maps of Holy Land – digital approach **ADAM LINSENBARTH AND MALGORZATA BRZEZINSKA-KLUSEK**
- Digital technologies in analysis of the Müller's map of Bohemia **JIRI CAJTHAML**

 15:30–17:00

 Markus Jobst

 farewell drink

# Excursions

## A Spherical displays as globe library

- University of Vienna, Department of Geography and Regional Research
- Presenter: **A. RIEDL**
- Duration: approx. 30min
- Time: 2pm and 4pm
- Location:

**A** Institut für Geographie und Regional-  
forschung  
Hyperglobe Research Lab (HGR)  
Staircase III, 1. floor  
Univeritätsstr. 7  
1010 Wien

## D History of the Austrian National Library, tour through the State Hall

- Austrian National Library
- Presenter: **MÜHLBACHER**
- Duration: approx. 1h
- Time: 4pm

**D** Location:  
Österreichische Nationalbibliothek  
Josefsplatz 1  
1010 Wien

## B The Globe Museum of the Austrian National Library

- Tour through the Globe Museum
- Presenter: **J. MOKRE**
- Duration: approx. 1h
- Time: 2pm

**B** Location:  
Globenmuseum  
Palais Mollard, Herrengasse 9  
1010 Wien

## E Cimelia of the Cartographic Collections in the Municipal and Provincial Archives of Vienna

- Municipal and Provincial Archives of Vienna
- Presenter: **K. FISCHER**
- Duration: approx. 1h
- Time: 4pm

**E** Location:  
Municipal and Provincial Archives of Vienna  
Gasometer D („Archiv“)  
Guglgasse 14  
1110 Vienna

## C City representations in historical maps, views and models


- Wien Museum
- Presenter: **S. BÉKÉSI**
- Duration: approx. 1h
- Time: 2pm
- Location:

**C** Museum der Stadt Wien  
Maderstraße 2  
1040 Wien

## F A Heritage of Cartography and Geoinformation in Austria

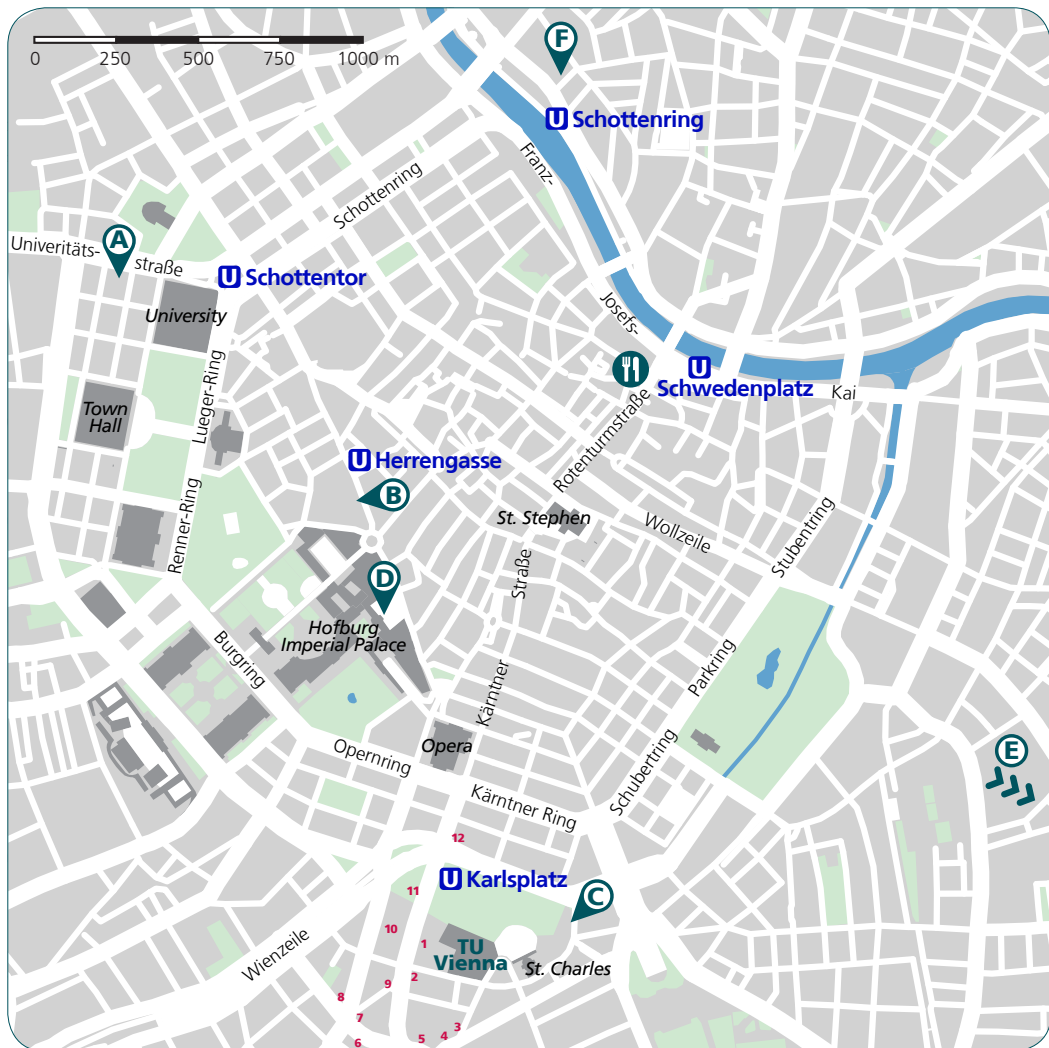
- Austrian Federal Office for Metrology and Surveying (BEV)
- Presenter: **JOBST, KNOLL, FUHRMANN**
- Duration: approx. 2h
- Time: 4pm

**F** Location:  
BEV  
Schiffamtsgasse 1-3  
1020 Vienna

 Please note that you find more detailed directions and information on meeting points on your excursion vouchers!

If you use public transportation you'll need a ticket. These are the options:

- single trip ticket: 1.80€
- 24 h ticket: 5.70€
- 72 h ticket: 13.60€
- week ticket (Mon-Sun): 14.00€



## Workshop Dinner

- Tuesday after excursions
- First floor reserved from 18.30

### 🍴 Location:

Bermuda-Bräu  
Rabensteig 6  
1010 Wien

- Nearest metro:  
U1/U4 Schwedenplatz
- Walking duration from TU Vienna:  
30 minutes

## Lunch Suggestions

- 1 Korfu, Greek, Wiedner Hauptstraße 4
- 2 Billa, supermarket
- 3 Salon Wichtig, sandwiches & curry, Karlsgasse 22
- 4 Wiaz'haus, Austrian, Gußhausstraße 24
- 5 Asia Pavillion, Chinese, Favoritenstraße 1
- 6 Centimeter, Austrian, Schleifmühlgasse 7
- 7 blueorange, bagels, Margaretenstrasse 9
- 8 Point of Sale, modern, Schleifmühlgasse 12
- 9 Gastwirtschaft, traditional Austrian, Rilkeplatz 7
- 10 Mensa of TU Vienna, cheap,  
Wiedner Hauptstraße 8-10, first floor
- 11 Mann, bakery
- 12 Cafe Museum, traditional Viennese,  
Friedrichstraße 6

Please find your WLAN connection information  
on the back of your name badge.

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Design by Manuela Schmidt and Felix Ortog  
Font: DejaVu, <http://dejavu-fonts.org>  
Icons: <http://glyphish.com>  
Map based on OpenStreetMap data

[www.cartography.tuwien.ac.at/cartoheritage](http://www.cartography.tuwien.ac.at/cartoheritage)