3rd International Workshop on Digital Approaches to Cartographic Heritage

Barcelona, Catalunya, Spain 26 – 27 June 2008

The International Cartographic Association Commission on Digital Technologies in Cartographic Heritage is organizing its 3rd International Workshop on *Digital Approaches to Cartographic Heritage* in cooperation with the Institut Cartogràfic de Catalunya (ICC).

Venue: Institut Cartogràfic de Catalunya, Parc de Montjuïc
Registration: Free
For lunch break: See the Google map [click here]

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Thursday 26 June 2008

09:00 – 10:00 Registration

Opening, Welcome

10:00–10:30
    Evangelos Livieratos *Chair, ICA Commission on Digital Technologies in Cartographic Heritage*.
    Georg Gartner *Vice President, International Cartographic Association*.
    Jaume Miranda i Canals *Director, Institut Cartogràfic de Catalunya*.

Session 1 – *Chair* Jaume Miranda i Canals

Cartographic heritage. Multidisciplinarity, sustainability, dissemination

10:30 **M. Jobst**: Considerations for a sustainable cartographic heritage architecture.

10:50 **G. Gartner**: Cartographic heritage in the eyes of artists and cartographers.

10:50 – 11:10 Coffee

Session 2 – *Chair* Georg Gartner

Transformation into digital form

11:10 **M. Colombo**: New technologies to preserve, share and capitalize the cultural heritage.

11:30 **A. Granis**: Introduction to the ICC colour management framework.

11:50 **G. Bitelli, G. Gatta**: Experiences on georeferencing and digital processing of an 18th century map of Bologna.

12:10 **P. Bramoullé**: Un système de reproduction numérique des cartes.

12:30 **V. Tsioukas, M. Daniil**: 3D digitization of historical maps.

12:50 Discussion (morning sessions)

13:10-15:00: Lunch break

Session 3 – *Chair* Lucia Lovison-Golob

Information & Communication Technology – Web

15:00 **R. Hunt**: OCLC Tools: Managing & preserving digitised map libraries.

15:20 **K. P. Pridal**: Tiles as an approach to on-line publishing of scanned old maps, vedute and other historical documents.

15:40 **A. Gómez-Muñoz, B. González-Suárez**: Information and communication technologies (ICTs) for web dissemination of historical cartography from Extremadura.

16:00 **V. Valerio**: e-gallery: new technology to view high resolution maps on the net.

16:20 **L. Lovison-Golob**: Increasing access to historical cartography of Africa through the semantic web: Darfur case.

16:40 Discussion (afternoon session)

17:00-18:00 Ice breaking

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Friday 27 June 2008

08:30 – 09:00 Registration

Session 4 – *Chair* Josep Lluís Colomer

Spatial data infrastructures and digital map libraries

09:00 **J. Capdevila, R. Bonilla**: Cartographic patrimony in the Spanish SDI. The cadastral series of nineteenth century /*Hojas Kilométricas*/.

09:20 **R. Šolar, D. Radovan**: The change of paradigms in digital map libraries.

09:40 **R. Roset, N. Ramos**: Present and future of the Map Library of Catalonia.

10:00 **G. Villa**: Spanish historical aerial orthophoto program and historical remote sensing program.

10:20 **C. Montaner**: Disseminating digital cartographic heritage: standards and infrastructures.

- *Cont*. Round table discussion on the issue.

11:15 - 11:30 Coffee

Session 5 – *Chair* Renata Šolar

Digital analysis and interpretation of historic maps

11:30 **J. A. Gaspar**: Dead reckoning and magnetic declination: unveiling the mystery of portolan charts.

11:50 **A. Tsorlini**: Higher order systematic effect in Ptolemy's *Geographia* coordinate description of Iberia.

12:10 **M. Pazarli**: Mediterranean islands in Tabula Peutingeriana.

12:30 **A. Adami, F. Guerra**: Coronelli's virtual globe.

12:50 **Ch. Boutoura**: On the map projection of Righas Velestinlis *Charta*, the late 18th century cartographic monument of Greece.

13:05 **R. Brumana, C. Monti, C. Achille, M. Signori**: "Perspectives" on 3D analysis through the cadastral map series (17th-20th cent.) and the first geodetic large scale map of Milan by *Astronomi di Brera*.

13:20 Discussion

13:30 – 15:00 Lunch break

Session 6 – *Chair* José Borbinha

DIGMAP Project

15:00 **J. Borbinha, G. Pedrosa, J. Luzio, H. Manguinhas, B. Martins**: The DIGMAP Virtual Digital Library.

15:20 **A. Fernández-Wyttenbach, J. Moya-Honduvilla, M. Álvarez, M. Bernabé-Poveda**: First approaches to the usability of digital map libraries.

15:40 **L. Elmik**: Using "etalon - gazetteers" for evaluation cartographic information system.

16:00 **H. Manguinhas, B. Martins, J. Borbinha, W. Siabato**: The DIGMAP geo-temporal web gazetteer service.

16:20 **B. Martins, H. Manguinhas, J. Borbinha, W. Siabato**: A geo-temporal information extraction service for processing descriptive metadata in digital libraries.

16:40 **G. Bouvin, W. Bracke**: Digitization and analytical bibliography.

17:00 Discussion (afternoon session)

Session 7 – *Chair* Carme Montaner, Evangelos Livieratos

General discussion – Closing

17:10–17:30

Little Prince was a map enthusiast or a map skeptic?

Target:
This Workshop is addressed to scholars, researchers, map curators, map collectors, administrators, digital industry / market operators, and students coming from different cultural and educational backgrounds (humanistic, scientific and engineering) whose work is either focused on or affined to cartographic heritage. The Workshop will offer a common ground to colleagues from various disciplines and practice where they can meet, interact and exchange knowledge, experience, plans and ideas on how the digital revolution and modern information and communication technologies in general can or could be used and contribute to cartographic heritage in terms of acquisition, processing visualization and communication of relevant digital data.

Focus:
• Introduce and establish the concept of "cartographic heritage". The multidisciplinary dimension of cartographic heritage.
• Transformation into digital form of old maps, globes and other cartographic documents. Comparison of digitization methods and technologies and development of relevant standards.
• Applications of digital techniques to the cartographic study (analysis and interpretation) of old maps and their geometric and thematic content. Tests of various analytic processes and visualization.
• Development and management of digital map libraries accessible to the general public. Digital tools to assist map curators, to aid the networking of map libraries and to allow in-situ and remote virtual access to cartographic heritage.
• Digital support for the preservation and restoration of old maps, atlases and globes.
• The use of Information and Communication Technologies (ICT) and the web for the teaching and for the diffusion of the heritage of cartography and maps to the general public.
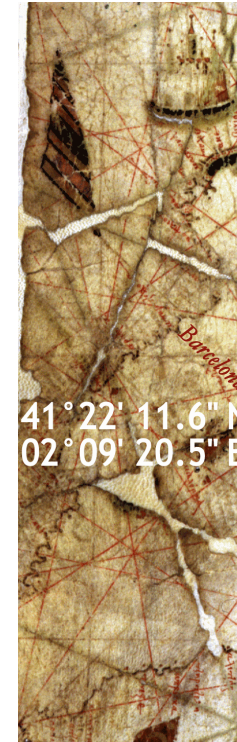• The 'digital needs' of individual map collectors.

http://web.auth.gr/xeee/ica-heritage

Organizing / Scientific Committee

J. Miranda i Canals (ICC, Barcelona)
E. Livieratos (ICA, AUTH Thessaloniki)
C. Montaner (ICC, Barcelona)
M. Pazarli (AUTH, Thessaloniki)
R. Roset (ICC, Barcelona)
A. Tsorlini (AUTH, Thessaloniki)

International
Cartographic
Association

ICA
ACI

ICC
Institut Cartogràfic
de Catalunya

Third International Workshop
Digital Approaches to Cartographic Heritage

41°22' 11.6" N
02°09' 20.5" E

International Cartographic Association
Commission on Digital Technologies
in Cartographic Heritage

Institut Cartogràfic de Catalunya

Barcelona, 26 – 27 June 2008
Institut Cartogràfic de Catalunya.
Parc de Montjuïc