



# DCH 2012 INTERCARTO 18



Interdisciplinary Conference on

## Digital Cultural Heritage and Cartography

St. Dié, France, July 2-4, 2012

# Call for Papers

**DCH2012** is the place for the international heritage community to share knowledge and practices with other professional bodies in an interdisciplinary atmosphere.

We are extending the current discussions from digital generated content via digitally born content to the complex information needed in cognitive aspects of innovative knowledge generation.

Cultural heritage, through its multiple forms (movable, non-movable and intangible), is an important expression of human creativity and a witness of the world's history

DCH2012 will address elements from the complex processes involved from fact preservation to knowledge mining and creation of new and innovative services for information society. Formats, structures, semantics, networks, and use processes involved in digital cultural heritage information will be discussed on an international, interdisciplinary level. Demand as well as benefit for information society will be the guiding principles.

**Cartography** gives location to facts and thus is the unique key principle to relate multimedia information elements to each other.

**St. Dié des Vosges** (France) was chosen for this conference to commemorate the 1508 in St. Dié Abby compiled and printed map by Martin Waldseemüller which already at that time was much more than a compilation of cartographic fact collection. This map was revolutionary to the spread of culture and economics in the known world at that time.

**Today** we are challenged by the expected synergies in multimedia cultural knowledge that arise from the availability as well as usability of objects and their very detailed information elements in a syntactic, semantic and pragmatic way.

**Science, Technology, and Culture** have to join forces in a yet unknown perspective of potential creative results. Certainly, this field is especially characterized by its broad heterogeneity

**Creativity** is needed and to be encouraged at a much wider and intensive rate than ever discussed in the digital realms before. Culture can be seen as a catalyst for this creativity. Joint efforts will promote development of Culture-, Creativity-, as well as Business- and Economic sectors.

**Threats and Damage** to physical objects are among the driving forces for dealing with Digital Cultural Heritage. There is a twofold aspect: threat to loss of physical objects (maps, books, scores, films etc.) and the role that existing (digital) information units can play in the sustainable preservation of cultural heritage. Special attention is given to damage concerning induced by environmental degradation and climate change, and by the development and rising complexity of armed conflicts, as well as political and economic crises.

**The impact of digital culture** on collective memory, conceptions of the historical, historical research methods, and the writing of history will steadily increase and we need to shape the current trends into strategies for best efficient abilities to support cultural diversity and enable intercultural dialogue in a digital globalized world.

**Finally** we will discuss Best Practices, Deficits, and Innovative Business Sector aspects in a **Roundtable on Perspectives, Potentials, and Limitations, Smart Products and Innovation. Secondary Cultural Heritage: Archiving of Events, Disasters and the Cultural Situation, Recommendations, Urgent Action, Expectations towards new ways of behavior in knowledge generation, production, dissemination and use. Clouds of Services.**

### Participants:

DCH2012 will enable new partnerships and encourage new working methods. Thus, DCH2012 is open for best practice exchange as well as for strategic discussions in the R&D fields of the contributing professional areas. Culture innovative business ideas and perspectives show the relevance towards a broadening demand of products and services.

*DCH2012 Thematic Scope and Details for Abstract Submission: see the following pages*



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DCH2012 is organized by

**CODATA-Germany**

the German National Committee for CODATA  
Committee on Data for Science and Technology of the  
International Council for Science ICSU

in cooperation with

**International Cartographic Association ICA**

**ICA Commission on GIS and Sustainable Development**

**Comité Français de Cartographie**

**Deutsche Gesellschaft für Kartographie**

**ICOMOS-CIPA TG on Open Source Software**

**in use for the knowledge and dissemination of the Cultural Heritage**

**Conference Chair**

Horst Kremers, Berlin, Germany

**Conference Program Committee**

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William L. Anderson, Austin, TX, U.S.A.

Federica Burini, Bergamo, Italy

Pilar Chias Navarro, Madrid, Spain

Wolfgang Crom, Berlin, Germany

Fenella France, Washington D.C., U.S.A.

John W. Hessler, Washington D.C., U.S.A.

Monika Jarosch, Siegen, Germany

Markus Jobst, Vienna, Austria

Horst Kremers, Berlin, Germany

Der-Tsai Lee, Taipei, Taiwan

Evangelos Livieratos, Thessaloniki, Greece

Beata Medynska, Poznan, Poland

Renata Solar, Ljubljana, Slovenia

Fraser Taylor, Ottawa, Canada

Vladimir Tikunov, Moscow, Russia



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# DCH 2012 Scope

## From Having the Data to Understanding the Cultures that Shape our Life

The conference is open for contributions that cover technical challenges as well as strategic guidance. Key messages relating to the impact of new technologies and processes (e.g. social networking) on cultural heritage are especially welcome.

### Aims:

- raise awareness in Society, Science, and Technology fields about importance of the cultural dimensions and the growing potential of Digital Cultural Heritage
- initiate or create innovative cross-disciplines / cross sectors partnerships
- elaborate roles and interest of information society
- make visible the links between cultural Heritage and Sustainable Development in the Digital Area
- facilitate intercultural and interdisciplinary dialogue

### Multimedia Information Objects

Map, Picture, Video, Text, Sound objects: their permanent availability and innovative analysis

### Cartographic Digital Sources

Scans, hyper/multi spectral imaging, 2D, 3D, 3D Clouds, Databases

### Infrastructure

Techniques, Organization, INSPIRE  
Legal aspects, Licenses/financial aspects  
Search Machines, Multilingual Issues  
Publishing, Portals, Digital Archives

### Open Data, Open Software, and Open Access

### Analysis / Workflow / Processes

Information Clusters, Abstraction of Mass Information, Product composition, production, and use, Mashups

### Linking Multimedia Information / Information Fusion

Knowledge / Culture Detection and Understanding, Intangible Heritage

### User Interfaces

WEB 2.0, Web 3.0, Crowdsourcing  
Community Involvement, social media

### Complex Use Cases / Application Scenarios / Best Practice / Customers

Cultural Sciences, History, Literature / Libraries  
Museums, Archives, Archaeology, Language Science, Journalism, Cartography.  
Geoinformation Science, Cultural Landscape Research  
Politics, Art, Religion, Social and Economic Sciences, The Media

### Information Quality

for wide use and longtime accessibility for not yet well-known purposes, services and products

### Current Large Realizations

Digital UNESCO Cultural Heritage, ICOMOS-CIPA, EUROPEANA, Domesday Project etc.

### Culture Information and Climate variation analysis

### Strategies/ Demand/ Potential

Information Society, The Values of new types of Analysis and Representations

### Strategic Keywords

World Heritage, Sustainable Society, Cultural Diversity, Knowledge Fusion and Emergence, Dynamics of the Cultural Sector, Cultural Heritage Threat and Monitoring, Indigenous Knowledge, Interdisciplinary Data Science, DCH Coalitions, Alliances and Experts Networks,



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## DCH2012 Dates

Submission of abstracts	extended: April 09, 2012
Notification on acceptance for presentation	May 15, 2012
Program online	May 20, 2012
Early registration ends	May 31, 2012
Long abstract (up to 6 pages A4)/ or 30 ppt viewgraphs for conference Handout Conference	June 10, 2012 July 2-4, 2012

Conference language is English (oral presentations and written material)

## DCH 2012 Abstract Submission

We are requesting abstracts that are no longer than 400 words (MS WORD, low resolution images); these are due by March 31, 2012 and should be submitted electronically as an attachment, to [office@horst-kremers.de](mailto:office@horst-kremers.de) with "DCH2012 submission" in the subject line.

By May 15, 2012, authors will be notified about acceptance for inclusion in the DCH2012 program. Authors then will be asked to submit their long abstract (max. 6 pages A4) or 30 ppt viewgraphs for inclusion in the conference handout.

Download the DCH2012 abstract template from the conference homepage:  
<http://dch2012.net>

It is intended to publish material from the 2012 DCH conference in Springer Series "Lecture Notes in Geoinformation and Cartography" (Markus Jobst, Horst Kremers, eds.). An invitation to submit a paper for conference oral presentation does not necessarily guarantee publication in such separately published volume.