



## The 1<sup>st</sup> International Workshop on Big Data in Digital Cultural Heritage

### Keynote Speaker: Max Kaiser, Austrian National Library

Max is Head of Research and Development at the Austrian National Library (ONB). He holds an MA in Philosophy and German Literature from the University of Vienna and has been working for the Austrian National Library since 2000. Max has many years of experience international research and development projects in the field of digital libraries, digital preservation and digitisation – including large scale. He has been involved in several EU projects including Planets, IMPACT, TELplus and Europeana v1.0 and coordinated the EuropeanaConnect project. Max is member of ONB's Digital Library Steering Board and programme lead of *Austrian Books Online*, ONB's large-scale digitisation programme with Google. He teaches Digital Libraries and Digital Preservation.

### General Information and Scope

Big data is a domain which integrates methodologies and solutions across a number of ICT disciplines. It is finding its way to various applications within digital cultural heritage, such as large scale data mining for metadata generation and enhancement, novel visualisation techniques, 3D models of immovable and movable cultural heritage artefacts, search and storage of very large digital libraries, new approaches to digital curation and preservation.

The current work on e-Infrastructures relevant to digital cultural heritage, such as DARIAH and CLARIN, and large-scale aggregators of digital content, like Europeana, changes the current landscape of digital cultural heritage. Better understanding of big data implications on content, architectures, functionality of large digital collections and the effects on the users, quality and policy aspects is needed.

The digital cultural heritage community needs a forum to discuss current work and theoretical advancements, and this new international workshop seeks to help to consolidate state-of-the-art research, provide a forum to discuss current experiences, and brainstorm future developments in the area. Being a new domain, it also requires an in-depth discussion on integrating aspects of big data in curricula in librarianship, information science, archival science and a range of Humanities disciplines.

This workshop aims to bring together novel research related to big data in the following domains:

- Cultural heritage objects and big data: aspects of capture, storage, sharing, and analysis
- Visualisation of large digital cultural heritage collections
- Curation of big cultural heritage collections
- Searching big data: Information retrieval and data mining
- Natural language processing: statistical NLP in cultural heritage
- Semantic web technologies and large scales of cultural data
- Web intelligence
- Cultural cloud
- Issues of aggregation of vast resources

- Distributed service architectures: SaaS, PaaS, IaaS
- Big data economics and digital heritage
- Evaluation, usability and use
- Visualisation methods and tools
- e-Infrastructures and large digital resources
- Citizen science: the challenges of scale in engaging citizens
- Educational aspects: how to introduce big data aspects in digital humanities and in Library and Information Science schools?

## Submissions:

Submissions are accepted via EasyChair,

<https://www.easychair.org/conferences/?conf=bddch2014> by 1 September 2014.

The Workshop accepts only original, unpublished work written in English. The best submitted papers will be selected for a special issue of the International Journal Heritage in the Digital Era <http://www.digital-heritage-journal.eu/>, published by MultiScience, UK <http://www.multipscience.co.uk/ijhde.htm>

We are inviting submissions in the following categories:

- Full research papers presenting new research and development results. Each submitted paper must not exceed 10 pages in total (incl. 600 dpi images and bibliography).
- Short papers presenting works-in-progress, including project developments. Each submitted paper must not exceed 6 pages in total (incl. 600 dpi images and bibliography).

All submissions should be made in the Springer format following the template available on [http://www.culturalheritage2014.eu/files/9813/8864/7580/EuroMed2014\\_Paper\\_Template\\_Instructions\\_and\\_Copyright\\_form.zip](http://www.culturalheritage2014.eu/files/9813/8864/7580/EuroMed2014_Paper_Template_Instructions_and_Copyright_form.zip)

## Important Dates:

Submission deadline: **1 September 2014**

Notification of acceptance: **1 October 2014**

EuroMed Conference: **3-8 November 2014**

## Organisers:

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