

Academia Sinica and IPERION CH-Integrated Platform for the European Research Infrastructure ON Cultural Heritage are jointly organising the

International Symposium  
**Towards a Digital Approach to Cultural Heritage  
Conservation, Documentation and Communication  
From Cyberinfrastructures to Science Clouds**

A co-located event with the ISGC 2018  
Taipei, Academia Sinica, March 19<sup>th</sup> 2018

**Call for Abstracts**

- On-line Submission: <https://indico4.twgrid.org/indico/event/4/>
- Submission Deadline: **Friday, 10 November 2017**
- Abstract Word Limit: 300 (minimum)~500 (maximum) words

The trend for data publication, sharing and re-using is nowadays influencing all scientific domains and may have a dramatic impact on the documentation, conservation and communication of Cultural Heritage too. Solving issues such as the discoverability of published data, their interoperability, integration and open access may foster data re-use and improve the quality and extent of scientific research on CH, also supporting its communication and citizens' understanding and participation. Progress in digital research is a key factor of this new paradigm and cloud services appear to be potentially disruptive in creating a data-based scientific approach to heritage sciences.

The symposium will address current achievements, policies, and strategies with a global perspective, presenting state-of-the-art examples of how digital technologies have been successfully applied to heritage conservation, documentation and communication.

Contributions are welcome in the following thematic areas, which will be covered in three sessions plus a final discussion panel. We plan to introduce each session by a position paper by the session chair. Contributors are also invited to consider the possible submission of works to the hosting event, ISGC 2018, on its Track 4: Humanities, Arts, and Social Sciences.

Session 1 – Documenting heritage

This session will discuss current work on the documentation of cultural heritage through databases, catalogues and registries, integrating and building on top of existing repositories, and on how this work relates to the cloud framework. Subjects include monuments and historic places, archaeology, art galleries, museums, and in general all tangible heritage collections. Relevant topics include also the documentation of conservation activities and archives.

Papers will need to consider how the current results are, or may become, suitable to be incorporated in a cloud environment. Data quotability, persistent identifiers and preservation services are also relevant here.

Session 2 – Documenting science

This session will address services and datasets for research in the broad sector of heritage science, including but not limited to services and datasets for conservation analyses, archaeological dating and analyses, virtual reference collections of objects and materials, reference tools such as authority lists thesauri and

vocabularies, and the definition of protocols suitable for use in cloud-based Virtual Research Environments (VRE).

### Session 3 – Communicating heritage

Audio-visual media are a pervasive presence in the heritage panorama as they are now in our everyday life. The technological development in this area is led by the entertainment industry, but a wise approach from heritage professionals may choose and adopt those technologies that better suit the characteristics of the cultural asset being communicated. Thus aspects such as the story being told about heritage, the audience addressed, organizational aspects such as installation flexibility, easy maintenance and equipment durability, are no less important than the technology used. The question here is if forthcoming cloud services may help, simplify and improve the creation, deployment and results of heritage communication work; and, if so, which ones.

### Panel session – Global policies and strategies for science clouds

The panel will present and discuss current initiatives on the creation of science clouds with examples from Europe and other continents, with a special focus on the Pacific region. It will also address global initiatives concerning heritage data interoperability, integration and data access throughout the world.

### Programme committee

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