

## Special Issue

# Advanced Data Environment in Current Cultural Heritage 3D Digitization Practices

### Message from the Guest Editors

CH studies are at the crossroads of many disciplines, including heritage sciences and data sciences. This Special Issue focuses on the methods to improve data management throughout the workflows leading to the creation of a digital heritage asset or corpus, exploiting 2.5D- and 3D-based digital capture techniques. Original research, review articles, case studies, and research or papers focusing on the key role of data management involving digitization frameworks or digitized CH assets are accepted. Papers focusing on related issues of sustainability, digital sobriety, and cost-effective technologies to reduce the data weight in the energy crisis are also welcome.

This Special Issue will welcome manuscripts that link the following themes:

- 3D data capture for manageable heritage data;
- Range and image-based 3D reconstruction for digital documentation efficiency;
- Multimodality and data integration;
- Data science;
- Metadata and paradata;
- 3D-based information systems;
- CH data organization;
- Semantics for CH data organization.

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### Guest Editors

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### Deadline for manuscript submissions

31 August 2025



## Heritage

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## About the Journal

### Message from the Editorial Board

*Heritage* is an international, peer-reviewed, open access journal that focuses on knowledge, conservation, interpretation and management of cultural and natural heritage, by presenting and enabling novelty and advances in sensing technologies, novel methods, best practices and policies. *Heritage* has the ambition to become a “cultural forum”, where scientists and experts offer answers to significant issues affecting cultural and natural heritage, by creating a knowledge bridge between different technological and social disciplines. *Heritage* has an Editorial Board of eminent international leaders and this ensures rigorous peer-review processing for high quality and novel papers. We strongly recommend *Heritage* for the rapid and professional publication of your innovative research and case studies.

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### Editors-in-Chief

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