



Deutsches Historisches Institut in Rom  
Istituto Storico Germanico di Roma

## **Workshop Digital Humanities in the GRACEFUL17 Project**

On **20 November 2023**, from **9 a.m. to 5 p.m.**

German Historical Institute in Rome, Via Aurelia Antica, 391, 00165 Roma

The workshop aims to provide participants with in-depth knowledge and skills in the field of Digital Humanities, with a focus on digital practices that can be applied in historical research projects such as GRACEFUL17. The goal is to enable participants to use digital tools and methods effectively in their research projects and to present the results in an engaging way.

### Preliminary Programme

#### **Introduction** (30 minutes)

- Welcome and introduction
- Workshop overview
- Introduction of the participants and aspect-oriented presentation of the individual research projects

#### **Session 1: Introduction to Digital Humanities**

(Jean-Baptiste Camps, Jörg Hörnschemeyer)

Presentation (20 minutes)

- Benefits and requirements of digital practices
- Relevance of structured data input and computational analysis
- Introduction to cloud-based infrastructures and versioning

Discussion (40 minutes)

- Exchange of experiences, expectations and challenges
- Discussion of the relevance of the presented practices for the participants' projects

Coffee Break (15 minutes)

## **Session 2: Data Input and Storage for Research**

(Jörg Hörnschemeyer, Christoph Sander)

Presentation (20 minutes)

- Overview of data formats (text, CSV, JSON, XML, databases, triples)
- Differences between relational and graph databases
- Structuring of data, controlled vocabularies, authority data

Discussion (40 minutes)

- Applicability of concepts to own research projects

Lunch Break (120 minutes)

## **Session 3: Research Data Analysis**

(Jean-Baptiste Camps, Jörg Hörnschemeyer, Christoph Sander)

Presentation (20 minutes)

- Historical Network Analysis
- Complexity reduction and clustering
- Spatiotemporal analysis methods

Discussion (40 minutes)

- Relevance and applicability of analysis methods

Coffee Break (15 minutes)

## **Session 4: Publication and Presentation of Digital Research Results**

(Jörg Hörnschemeyer, Christoph Sander)

Presentation (20 minutes)

- Web applications for research data publication: ResearchSpace, Nodegoat, Arches, data repositories
- Notebooks and apps for public, dynamic data analysis: Jupyter, Google Colab, Binder, Palladio, etc.

Discussion (40 minutes)

- Best practices and challenges
- Discussion of the applicability of tools in participants' projects

### **Summary of Key Learnings**

Conclusion Discussion and Feedback (30 minutes)

- Open questions, next steps, and discussion
- Outlook on upcoming workshops
- Feedback round and farewell

Presentations will be illustrated where possible with specific examples from various research contexts. The workshop will be interactive where possible, with sufficient time for participants to share their thoughts and ask questions.

Number of participants: 10–15.

**To register please send an e-mail to: [hoernschemeyer@dhi-roma.it](mailto:hoernschemeyer@dhi-roma.it)**