



**BIBLIOTHECA
HERTZIANA**
MAX-PLANCK-INSTITUT FÜR KUNSTGESCHICHTE

From Data to Wisdom

IIIF Reader: Multilevel Visualization Research

A Workshop to Explore and Annotate Image Collections at Different Scales

April 20, 2022, 14:30 – 18:00

Bibliotheca Hertziana in Rome, Max Planck Institute for Art History

Groups: 10-15 people from different academic levels/careers

This workshop is aimed at presenting and working with the IIIF Reader, a digital tool designed for annotating and visualizing images through IIIF (International Image Interoperability Framework). Attendees are first introduced to the design process, focusing on the needs that the digital tool is intended to tackle. Then, attendees are invited to test the digital tool by using its functionalities such as image annotation and visualization browsing. The goal is to stress the application to discuss short-term fixes and long-term visions in order to envision the next version of the digital tool. The workshop is indicated for scholars interested to annotate diagrams and more generally images by exploring innovative ways of working at micro (details), meso (images), and macro (sets) scales.

IIIF is a standard of data communication between collections of digital images. Libraries, archives, and museums use this framework with three goals: sharing content, setting a standard of interoperability, and managing images and their metadata. As infrastructure stability was one of the major concerns, the interface design is still under-explored, opening a space for research projects. In this context, the project From Data to Wisdom (FDTW) focuses on the study of diagrammatic representations in IIIF collections to show the visual structure of medieval knowledge. Medieval diagrams, indeed, reflect complex relationships with philosophical and scientific traditions that are sometimes dismissed in the extension of manuscript collections. The use of metadata and annotations has proven to be a secure path towards the visibility and contextualization of such sources.

FDTW developed a IIIF catalog of medieval schemes and diagrams classified into six areas: relational schemes, knowledge-experience simulations, data storage (tables, charts, index), text-diagrams, medieval elemental schemes, and demonstrative graphics. FDTW has developed the IIIF Reader that provides different ways of gathering sets of images previously annotated in their shared outlines, concepts, or patterns. The digital tool is a web interface related to the IIIF catalog, providing functionalities such as presentation, annotation, comparison, and search. In addition to advanced functionalities and interface, the IIIF Reader provides users with “distant and close reading” instances.

Workshop Program

- 14:30 – 15:15** Introduction to IIIF catalogs and its advantages.
- 15:15 – 16:30** Presentation of the IIIF-Reader: settings, how the tool runs, and expected outcomes.
- 16:30 – 16:45** Break.
- 16:45 – 17:30** Brief presentations of individual outcomes, experiences, and personal cataloging.
- 17:30 – 18:00** Discussion about IIIF-Reader functionalities.

Tutors

José Higuera is a researcher at the Institute of Philosophy of the University of Porto and the Principal Investigator of the project From Data to Wisdom. His career as a researcher begins as a founding member of the Instituto Brasileiro Raimundo Lúlio (São Paulo-Barcelona). He developed his doctoral and postdoctoral studies in Spain, Germany and Brazil. His research is outlined by the study of conceptual transformations in the history of science and philosophy from a long-term perspective.

Celeste Pedro is a communication designer who graduated at the Fine Arts Faculty in Porto. She did her Masters in Design and Intermedia at the University of Barcelona. In the past years, she specialized in early printed books and palaeography while conducting her PhD research on History of Portuguese Print Culture in the Sixteenth Century, funded by FCT. She is currently a postdoc research fellow for the project From Data to Wisdom at the Institute of Philosophy of the University of Porto.

Dario Rodighiero is a designer with an academic background, working at the intersection of knowledge design, digital humanities, and artificial intelligence. He is a senior affiliate with the metaLAB, and affiliated with the Berkman Klein Center at Harvard University. In Rome, he is a visiting scholar at Bibliotheca Hertziana; in Paris, he works as a lecturer at Pantheon-Sorbonne University. The Swiss Federal Institute of Technology in Lausanne awarded him a Ph.D. in Science.

Alberto Romele is research associate at the IZEW, the International Center for Ethics in the Sciences and Humanities. He has been associate professor of philosophy at the Catholic University of Lille and post-doc of the FCT at the Institute of Philosophy of the University of Porto. His research focuses on philosophy of technology, digital hermeneutics, and technological imaginaries. He is the author of the monograph Digital Hermeneutics (Routledge 2020).

Research project

From Data to Wisdom: Philosophizing Data Visualizations in the Middle Ages and Early Modernity (13th–17th Century) FCT - POCI-01-0145-FEDER-029717 Instituto de Filosofia da Universidade do Porto

Investigador Principal: José Higuera Rubio. Co-Investigador Principal: José Francisco Meirinhos

Link: <http://ifilosofia.up.pt/projects/data-wisdom>