



Core Facility for Heritage Science and Digitisation Technologies in context of new approaches for the study of heritage materials

Lieve Watteeuw – Book Heritage Lab, Faculty of Arts and Faculty of TRW [@LabHeritage](#)

Bruno Vandermeulen – Digitisation & Document Delivery – KU Leuven Libraries [@VdmBruno](#)

Ward De Pril – KU Leuven Libraries – Maurits Sabbe Library

Hendrik Hameeuw – Imaging Lab – KU Leuven Libraries [@HameeuwH](#)

“VIEW is as an open center for all sort of collaborations and support for future, new and ongoing research and conservation projects.”

Heritage artefacts and collections are crossroads where historical context, materiality, content and technology join. In the field of heritage science, scholars deploy methodologies from the humanities and applied sciences to increase the understanding of heritage artefacts and collections through the use of advanced technology and infrastructure. Within VIEW, KU Leuven Core Facility for Heritage Science and Digitisation Technologies, several labs have joined their expertise and infrastructure. VIEW deploys digitisation technologies and techniques such as advanced imaging, high-end digitisation and data extraction to create rich datasets, provide new insights and facilitate cutting edge research of documentary heritage, heritage collections and heritage materials in a non-destructive way. The focused use of such infrastructure and technology represents an important accelerator in conservation science projects for documents on papyrus, parchment and paper.

#multi-modal imaging #digitisation technologies #documentary heritage #documenting heritage materials #non-destructive analyses #multi-layered dissemination platform



VIEW positions itself as a center of expertise where the interaction between heritage science and digitisation technologies is at the center. By pooling infrastructure and expertise, the facility creates a powerful platform to engage in innovative transdisciplinary research projects. All infrastructure can be deployed both in the lab and *extra muros* to perform non-invasive research. As such, it presents itself as an international center of excellence and a solid partner with expertise, tools and techniques broadly applicable in fields such as documentary heritage, art history or archaeology.

Depending on each individual case and the research or conservation questions, an array of research infrastructure and techniques can be combined into an *ad hoc* integrated approach, including narrow band multispectral imaging units, (multispectral) multi-light reflectance microdomes, Bruker h-XRF, Apollo infrared reflectography, FORS spectroscopy, Hirox 3D Microscopy and several high-end systems for the integral digitisation of documentary and transmissive heritage media. For the scientific dissemination of outcomes of these rich datasets a multi-layered IIIF (Mirador 3) platform has been created (3Pi-project).