

PROJECTS

A puzzle in 4D: Digital Reconstruction/Preservation of an ancient Egyptian Palace

The project is hosted by the Institute for Oriental & European Archaeology (OREA, lead by Dr. Barbara Horejs) at the Austrian Academy of Sciences (ÖAW) and is carried out in cooperation with the LBI ArchPro, the Austrian Center for Digital Humanities (ADCH), the Austrian Archaeological Institute (ÖAI), the Archaeology Data Service and the Universities of Bochum, Chicago and the PIN Scri - Polo Universitario "Città di Prato. The project is funded by the Austrian Nationalstiftung.

The project will provide long-term preservation for the Austrian long-term excavation project at Tell el-Daba/Egypt. It is designed as a case study for the development of a repository for huge amounts of archaeological datasets at the ACDH. Digital and non-digital excavation data (analogue photos, drawings, written records,...) will be integrated according to stratigraphy, enriched with metadata and prepared for long-term archiving and open-access online publication. The resulting maps and 3D-models will form the basis for a comprehensive virtual reconstruction of the temple including its world-famous Minoan frescos, making it accessible online for researchers as well as the interested public.

Within the project the LBI ArchPro is responsible for the development of a 4D-Archaeological Information System (AIS), the digitization of excavation records and the visualization of archaeological data for a virtual reconstruction of the site.

<http://www.oeaw.ac.at/oesterreichische-akademie-der-wissenschaften/news/article/ein-puzzle-in-4d/>