

The DaSCH a Swiss Research Infrastructure in Humanities and a Study Case: Ineri as Potential VRE for Manuscripts-Related Academic Projects

Lukas Rosenthaler, Vera Chiquet, Olga Serbaeva Saraogi and Jan Clemens Stoffregen
DaSCH, Basel

The DaSCH a Swiss Research Infrastructure in Humanities

Since 2017, the Data and Service Center for the Humanities (DaSCH) has been a member of the Swiss Academy of Humanities and Social Sciences (SAGW) and is currently on the transition to the Swiss National Science Foundation (SNSF). The main task of this digital research infrastructure is to operate a platform for humanities research data that ensures long term access to this data. In addition, the networking of data with other databases is to be promoted (linked open data), thus creating added value for research and the interested public.

As a competence center for digital methods and long-term use of digital data, the DaSCH supports the hermeneutically oriented Humanities in the use of state-of-the-art digital research methods. Focusing on qualitative data and associated digital objects (bitstreams such as images, sound, video, etc.) from all areas of the Humanities and Cultural Heritage. It

- provides tools and long-term access to Humanities' research data for the research community in accordance with FAIR principles and international standards for interoperability. It is registered at re3data.org and supported by the FAIRsFAIR initiative of the European Union's Horizon 2020 Commission
- supports scholars in generating new and re-using existing digital research data for cutting-edge research
- implements innovative solutions for scientific data processing in close co-operation with researchers, cultural heritage institutions and national and international initiatives in order to meet the rapidly changing requirements of internationally competitive research projects.

Study Case «Ineri as Potential VRE for Manuscripts-Related Academic Projects»

Ineri is a framework developed since 2017 in the context of NIE-INE project, University of Basel, the core functionality of it is to connect RESTful APIs, user local data, microservices and npm-modules, to enable the user to complete their scientific project without programming knowledge needed to create and deploy an online publication including web applications.

Ineri encapsulates all seven aspects of any academic project, namely, Adding data, Enrichment, Analysis 1 (human), Visualisation, Analysis 2 (SWT), Publication and Administration. Taking into account the technicalities of Sanskrit manuscripts based projects, the presentation will address five aspects:

- “Add data”: querying the RESTful APIs (including KNORA),
- “Enrichment”: Mark-up and stand-off annotation
- “Analysis”: upgrading comparative analysis
- “Visualisation” and multiple options of “Publication.”

- Selected examples will demonstrate the compatibility with KNORA and address prospective options of development and collaboration.