

Current State of RDFBones and Future Perspectives

Albert-Ludwigs-Universität Freiburg



**UNI
FREIBURG**

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Physical Anthropology Freiburg

Workshop »Digital Standards for Research Data from Human Skeletal Collections«,

7 October 2016

Current Project

Future Development

Project vision

Funding opportunities

now Funding application for follow-up project
Finish documentation of core ontology
Extensions covering Alexander Ecker Collection
research data
Finish database application
Data entry
Publication of project results

April 2017 Dedicated poster symposium at AAPA meeting in New Orleans

30 April 2017 Official project conclusion

Aims of Current Project

Will certainly be met

- Data standard
 - RDFBones Core ontology
 - RDFBones Extensions for modelling Alexander Ecker Collection research data
 - Documentation
- Database application
 - Full support for primary skeletal inventories workflow
 - Basic support for investigation workflow
 - Import of tabular data
 - Data platform for Alexander Ecker Collection

Aims of Current Project

Will probably not be met

- Data standard
 - RDFBones Extensions covering all areas of osteological research
- Database application
 - Connectivity to other databases (e. g. GBIF)
 - User documentation

- Data standardisation is needed in research and collection management
- The interest in data standardisation is higher than expected
- But data awareness still needs to be promoted

- RDF is a suitable basis for data standardisation
- VITRO is a suitable framework for RDF applications
- Software implementation needs more workforce than expected
- A central task is the implementation of workflows

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Current Project

Future Development

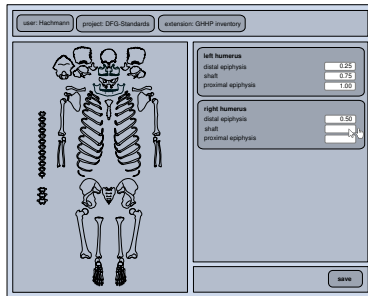
Project vision

Funding opportunities

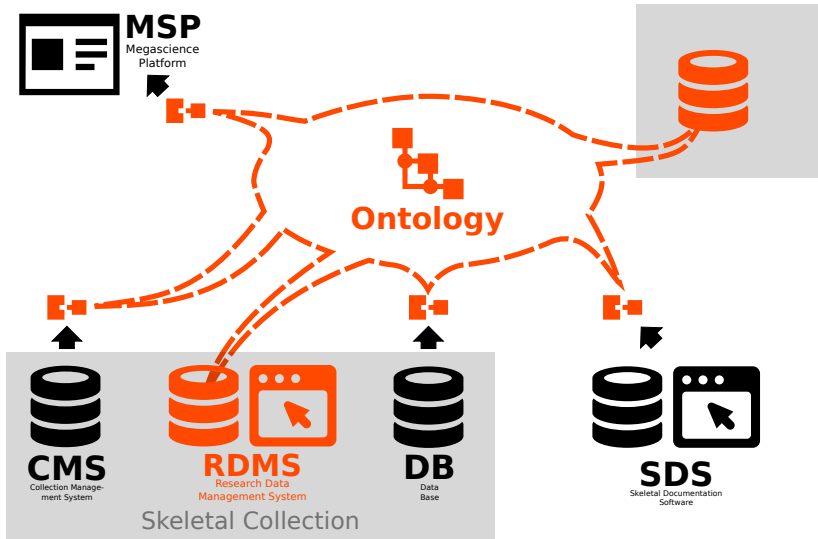
Software as Workbench for Biological Anthropologists



- Support for extension writing and publishing
- Virtual work environment for data acquisition and management
- Interoperability with R packages
- Platform for data sharing and collaboration



Software as Link Between Data Repositories



Current Project

Future Development

Project vision

Funding opportunities

- Software development
 - in cooperation with collection
 - in cooperation with research facility
 - in cooperation with scientific association
 - in cooperation with long-term project
 - exploring existing bodies of data
- Software-supported research projects
- New target groups
 - archaeology
 - bioarchaeology
 - forensics
 - biological archaeology of the living

Current DFG Funding Schemes



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Merkblatt

e-Research-Technologien

Guidelines

Information Infrastructures for Research Data

e-Research-Technologien

- Development, implementation or consolidation of e-research technologies
- project-specific workshops and research

Information Infrastructures for Research Data

- Conceptualisation, development or professionalisation of research data repositories
 - project-specific workshops
-



e-Research-Technologien

- Promotion of virtual research environments
- Establishment of permanent, transregional and independent information structures

Information Infrastructures for Research Data

- Establishment of transregional, sustainable information systems / research data repositories



e-Research-Technologien

- medium-term support
- OpenSource, OpenAccess

Information Infrastructures for Research Data

- Integration in existing networks
- Integration of research data management in research and teaching
- Sustainability concept
- Analysis of context
- OpenSource, OpenAccess
- own financial commitment



e-Research-Technologien

- scientific, non-profit information institutions
- researchers

Information Infrastructures for Research Data

- scientific, non-profit information institutions
 - possibly in cooperation with researchers
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