NFDI for Archaeology, Material Culture and Objects

NFDI4Objects

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Categories of data (incomplete)

- sensor data
  - (archaeological) geophysics, LiDAR and multispectral remote sensing
- spatial/GIS data
  - (historic) maps, survey maps, landscape models
- digital images
  - scans of (historic) photos, extensive digital collections
- 3D data/models
  - point clouds, meshes, VR reconstructions
- tables, databases, registers
  - project-based data collections, digital estates, management data
- ontologies and vocabularies
  - classifications, typologies, formalised knowledge representations
- excavation & survey data
- scientific analyses
  - building materials, flora and fauna, human skeletons, ancient DNA, isotopes
Inherent properties of objects

provenance

distribution

context & association

transformation
Who are we?

Deutscher Verband für Archäologie representing 14 member associations
16 archaeological state services
6 research institutions
~ 500 archaeological museums

32 archaeological chairs at German universities
Examples of relevant standards and services
Design goals/needs

- Governance and structures...
  - ... that support transparent and **user-oriented** decision making.
- **Services** and standards...
  - ... that cater for the complex properties of object-based data.
- Expertise and **consulting**...
  - ... that meet user needs and promote broad acceptance.
- Extension and **cross-linking** of existing services...
  - ... to integrate the diverse needs of stakeholders.
- Improved data **quality** assurance.