Enabling European Archaeological Research

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• Mobilize
• Integrate
• Make accessible

Archaeological Survey of Ireland, 141,000 records
ADS: 45,000 grey literature reports, over 1400 project archives; 1.3 million records
ARACHNE: 500,000 objects / records and images
ZRC-SAZU (Slovenia), 11,000 site records
Your data
Dendrochronology data (DCCD) of 5200 objects
INRAP: 27,000 fieldwork reports
SIGECweb: 326,000 archaeological finds records
FASTI online: 12,000 excavation reports of 3300 sites in 14 countries
Achieving interoperability

- We have datasets in many languages and complying with many different standards
- ARIADNE uses the CIDOC CRM with extensions for archaeology to achieve integration
  - Existing datasets are mapped to the ARIADNE data model
  - WHAT: Subject concepts are mapped to the Getty A&AT
  - WHERE: WGS84
  - WHEN: Perio.do
Interoperability Framework

ARIADNE e-Infrastructure and Integrated Services

ARIADNE Portal
Cross-search and other applications

ARIADNE Registry
Datasets, metadata schema, KOSs, mappings, ..., CRM

Meta/data records => collect/transform2/RDF

Data Centers
(nat./int., archaeology or general)

Subject/Domain-based Repositories & Portals
(nat./international)

Institutional Repositories / DBs

Subject/Domain-based Referatories & Portals
(nat./international)

Research Projects

Other e-Infra & Services

Legend:
dep=deposit, coll=collect, acc=access; D= Data, M=Metadata

L0: LOD Cloud

L1: Projects, research groups
L2: Institutions, institutional repositories/DBs
L3: Higher-level data managers
L4: e-infra & integrated services

Interoperability Framework
WHAT: multilingual support

- Vocabulary concepts from the Getty Art & Architecture Thesaurus (AAT) are offered as users type a query
- Enables query expansion
- Supports multilingualism
WHEN: ARIADNE and PeriodO

- PeriodO is a Linked Open Data gazetteer
  - Scholarly definitions of historical, art-historical and archaeological periods
  - Now includes period terms from ARIADNE partners
  - The terms have PeriodO URIs
- Allows for easier linking of datasets that define periods differently
  
  (when is always linked with where in archaeology)

http://perio.do/
STOP PRESS: ARIADNEplus 2018-22: €6.6m

ARIADNE: 24 partners; 18 countries
ARIADNEplus: 41 partners; 27 countries, including Argentina, Japan & USA