



ARIADNE: Building a European Data Infrastructure for Archaeology



@ARIADNE_Network

ariadne-infrastructure.eu

portal.ariadne-infrastructure.eu

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- Working internationally
- Collaborative underlying technologies
- Growing interest in archiving archaeological data across Europe



Working internationally

- Archives and repositories are typically based in one country, even if the data they hold is international.
- International aggregation platforms aren't typically built out of a large partnership



Working internationally

- Had a detailed workplan but as this level of collaboration hasn't been done before, figuring out how to work together is half the project
- Far greater variability in capacity across the network than anticipated; used ARIADNE as internal leverage



- User Needs Survey
 - 700 respondents
 - Combination of online surveys for data users and data providers and in-depth interviews
 - Main result is that while people are interested in technologies that allow useful research, but what they really want to know is what is out there.



- Working with International Initiatives:
 - Mapping to Getty Art & Architecture Thesaurus (controlled)
 - Contributing to/using PeriodO (assertions)
 - Enrichment services (Pleiades)
 - Linked Data (5 Star)



Underlying technologies

See <http://heritagedata.org/vocabularyMatchingTool/>

The screenshot displays the Vocabulary Matching Tool interface. It features two main sections: 'Source Vocabulary' and 'Target Vocabulary'. The 'Source Vocabulary' is set to 'FISH Archaeological Objects Thesaurus' and contains the entry 'QUILL' with a description: 'The barrel of a feather, usually goose, used as a pen.' The 'Target Vocabulary' is set to 'Getty Art & Architecture Thesaurus' and contains several entries, including 'quill pens' with a description: 'Pens made from the shafts of wing feathers or quills of geese, swans, ravens, eagles, owls, hawks, turkeys, and other birds. The tubular quill holds a reservoir of ink and the end may be cut into a pen point with various types of tips. Until the perfection of...'

Below these sections is the 'Concept Matching' area, which includes input fields for 'Source Concept' (containing 'QUILL') and 'Target Concept' (containing 'quill pens'), a dropdown menu for 'Match' (set to 'close match'), and an 'ADD MATCH' button.

At the bottom, there are buttons for 'CLEAR', 'LOAD', 'SAVE', 'EXPORT (FRIG)', and 'EXPORT (CSV)'. Below these is a 'Show 10 entries' dropdown and a 'Search:' input field.

The main results table is as follows:

Source Concept	Match	Target Concept	Created
PARCHMENT	close match	parchment (animal material)	2015-03-27T14:56:34.585Z
QUILL	close match	quill pens	2015-03-27T14:57:10.804Z

At the bottom of the table, it says 'Showing 1 to 2 of 2 entries' and 'Previous 1 Next'.

Creative Commons zero (CC0) open source code, available from

<https://github.com/cbinding/VocabularyMatchingTool/>

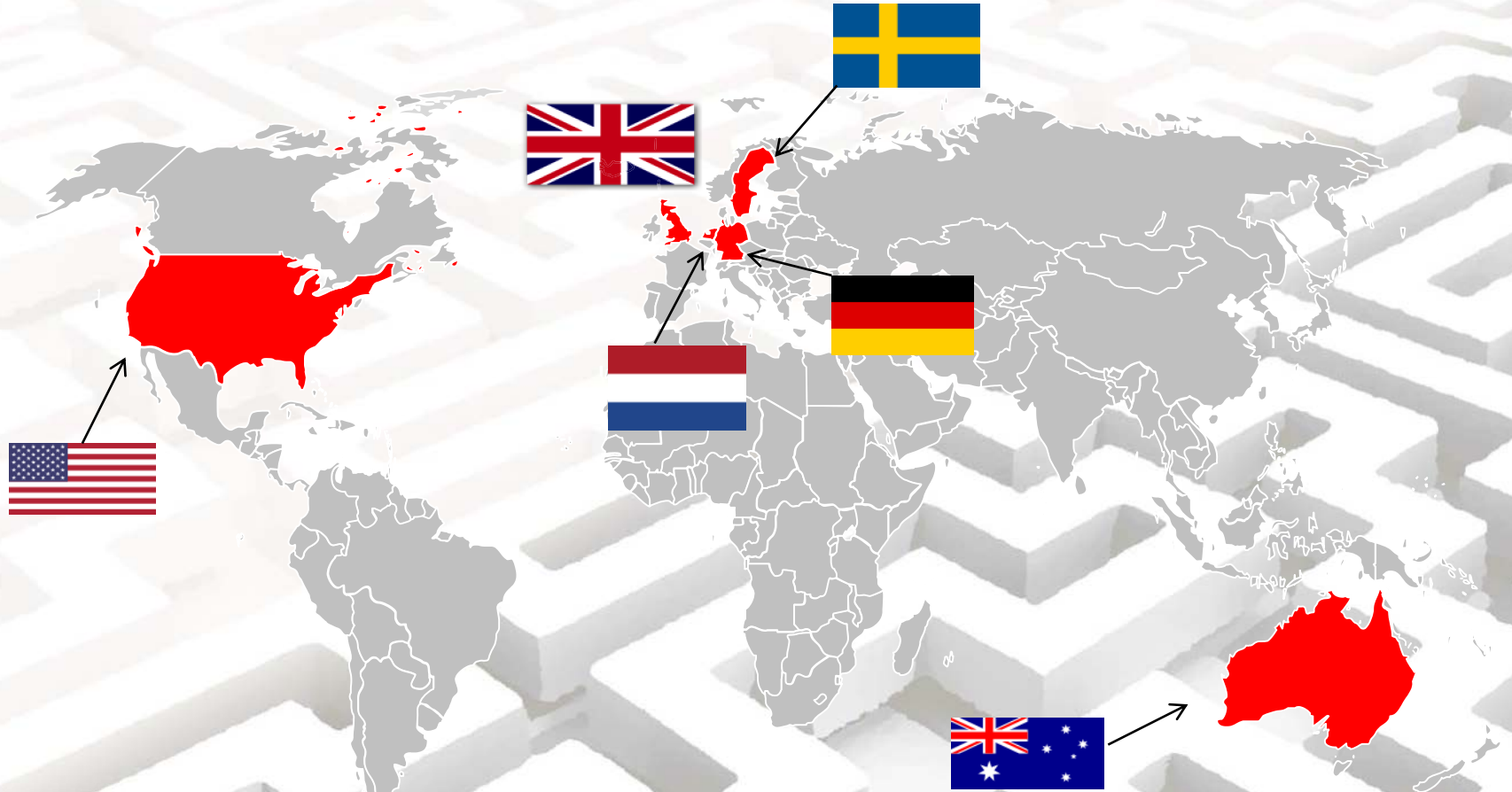


Underlying technologies

- Manually matching vocabulary concepts to Getty Art & Architecture Thesaurus (AAT) concepts
- Uses linked data – Javascript components using external SPARQL endpoints (no back-end)
- Side by side comparison of concepts, with contextual details (labels, scope notes, linked concepts)
- Multilingual - French, German, Spanish, English, Dutch AAT concept details
- Export created mappings to JSON, CSV, RDF



Growing interest in digital archiving



Growing interest in digital archiving



Growing interest in digital archiving

- There is huge variability in capacity across the network of archaeological partners.
- While able to contribute their data, most partners have no archiving options within their own countries.



Growing interest in digital archiving

- Paper given by our partners in Slovenia and Ireland made apparent an important opportunity to focus within the project
- Plans were made to offer data management workshops to partners in their own countries. Austria and Slovenia were first to accept.



Growing interest in digital archiving

- Data management workshops were held in Vienna and Ljubljana in January



Growing interest in digital archiving

- Local partners worked hard to make sure governmental and institutional stakeholders attended, and took on understanding and presenting the state of play in their country.



Growing interest in digital archiving

- Level of interest was much higher than expected:
 - Pressure from funders
 - Pressure from institutions
 - Funding available but no guidance
 - No appropriate options for archaeological data

We may have found a key moment...



Growing interest in digital archiving

- Conversations are continuing on how to seize the moment, take the expertise within the ARIADNE network to continue this momentum beyond ARIADNE, but beyond the current network.

<http://ariadne-infrastructure.eu/News/ARIADNE-data-management-workshops-in-Vienna-and-Ljubljana>



Thank You!

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