ARIADNE: Building a European Data Infrastructure for Archaeology

@ARIADNE_Network

ariadne-infrastructure.eu
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Focus

- 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

Working internationally

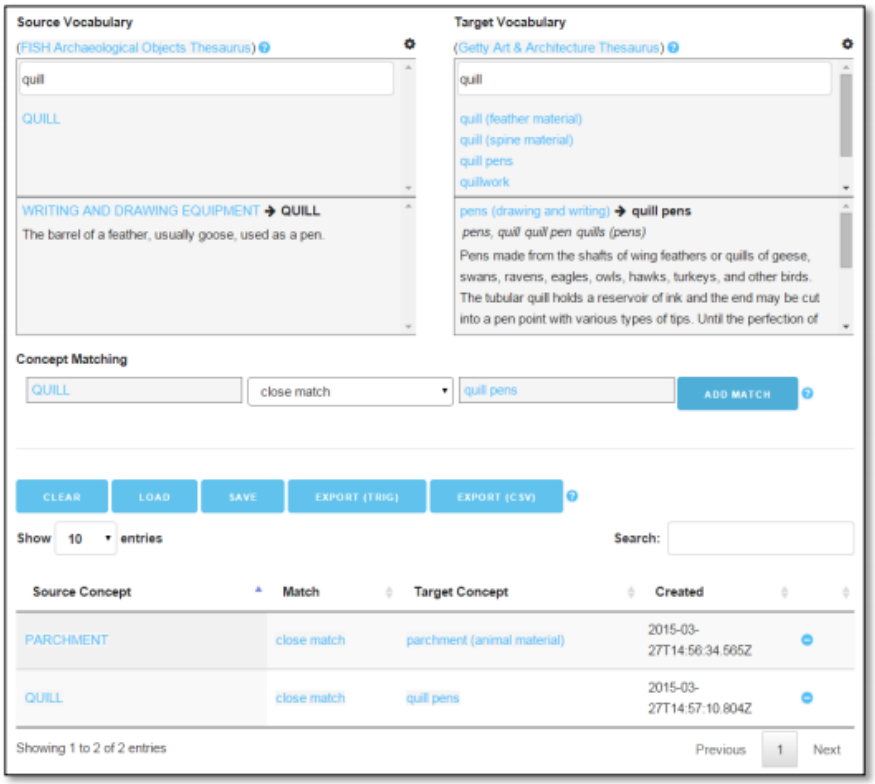
- User Needs Survey
  - 700 respondents
  - Combination of online surveys for data users and data providers and in-depth interviews
  - Main result is that while people are interested in technologies that allow useful research, but what they really want to know is what is out there.

Underlying technologies

- 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/

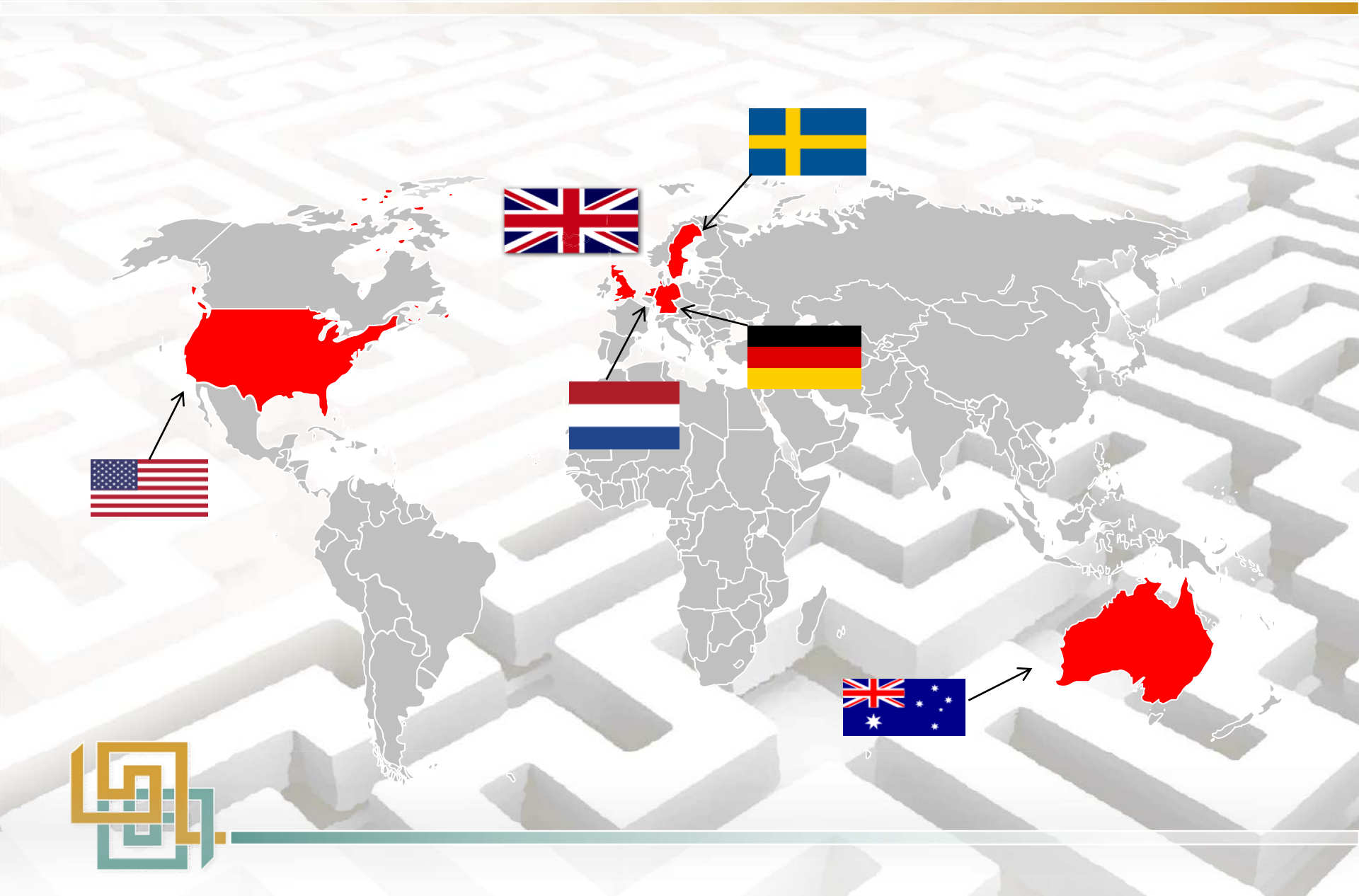


Creative Commons zero (CC0) open source code, available from https://github.com/cbinding/VocabularyMatchingTool/

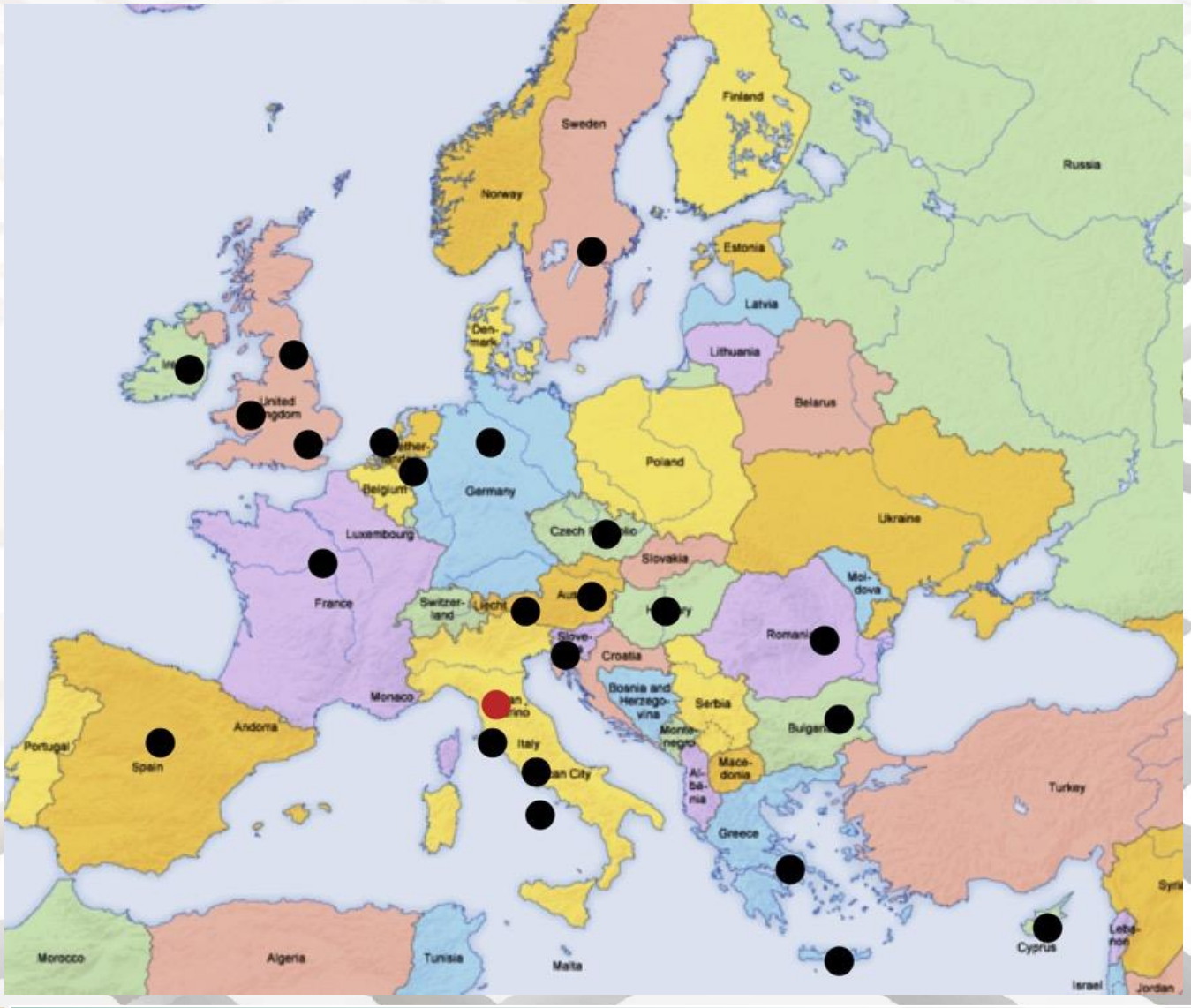
Underlying technologies

- 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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