



DELVING

Strategic outsourcing partner for the Cultural Heritage sector

# Delving Mapping Engine CRM-SIG, Plovdiv


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# Background

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- Delving is an Open Source first software company since 2010
  - Our main product is an aggregation platform that published Linked Open Data at scale
  - We also provide an integrated Content Management solution that integrates Arches (museums) and Archivesspace (archives)

# Focus Today

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- Sip-Creator visual mapping tool:
    - Analysis of source data
    - Drag and drop mapping of source to target
    - Review and search generated RDF
    - Code-tweaking per mapping



# Challenges with CIDOC-CRM

- Building the models and documentation so that non-experts can still do mappings
- Dealing with deeply nested models


# Solutions

- Using Arches Designer to create the models based on the CIDOC-CRM ontology
- Converting the models to a Sip-Creator record definition
- Using human readable labels next to the CRM codes to easy semantic understanding




**Demo**

# Roadmap

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- Create dynamic road-trip between models in Arches and the Sip-Creator
  - Move towards a web-based version of the Sip-Creator
  - Drive validation via Arches Designer models
  - Provide web-based interface to document models, use-cases, validation and best-practices

# Collaborations

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- Together with Farallon Geographics (US), Flax & Teal (Northern Ireland):
    - develop an arches-companion that will integrate the Mapping Engine with Arches for ingestion and migration workflows
    - develop a dynamic GraphQL engine that allows for a user-friendly way to query, manipulate and discover CIDOC-CRM records





**Q&A**