Welcome!
Intro to the Arches Platform
Part 2 of 4 – Data Management Tools

Wednesday, December 11, 2019
Webinar Presenters and Q&A Moderators

Alina Myklebust  
Getty Conservation Institute

Annabel Enriquez  
Getty Conservation Institute

David Myers  
Getty Conservation Institute

Dennis Wuthrich  
Farallon Geographics Inc
Intro to the Arches Platform Upcoming Webinars

Part 1
- Capabilities

Part 2
- Data Management Tools

Part 3
- Data Technology Concepts

Part 4
- Information Architecture
Webinar Agenda

- About Arches
- Arches Platform: Capabilities Recap
- Arches Platform: Data Management Tools
- Coming Next
- Questions & Answers
About Arches

Developed jointly by the Getty Conservation Institute and World Monuments Fund, Arches is an open-source software platform purpose built for cultural heritage data management.
About Arches (cont’d)

- Open Source and free – no licensing fees and unlimited users.
- Enterprise-level software hosted on a server
- Independent deployment by an organization or institution
- Supported by a growing community of heritage, preservation and technology professionals
Recap: Intro to the Arches Platform Part 1 - Capabilities

Visit [www.archesproject.org/videos](http://www.archesproject.org/videos) to access the webinar video, transcript and slides!
Webinar Repository – www.archesproject.org/videos
Intro to Data Management Tools
Data Management Tools
A comprehensive open-source data-management platform for heritage institutions

Data Management
- Collect & Ingest
  - Intuitive data entry interface
  - Workflows / project management tools
  - Mobile app
  - Robust import / export & APIs

- Data Structure & Storage
  - Semantic & self describing data structure
  - Dynamic UI-generation
  - Controlled vocabulary manager
  - Full integration of CIDOC CRM ontology
  - Cloud/server deployable

- Controlled Access, Audit & Review
  - User & group access management
  - Granular (node level) permission control
  - Detailed data audit
  - Provisional data / data review

Data Discovery & Visualization
- Search
  - Semantic searches
  - Annotation searches
  - Saved searches
  - Geospatial search
  - Advanced search

- Spatial Data / GIS
  - Interactive map (enter data directly on map)
  - Alternative basemaps – e.g., historical maps
  - Overlays/layers
  - Satellite imagery
  - Integration with other GIS

- Relationships
  - Explore network relationships between resources – e.g., Heritage, People, Activities, Events
  - Discovery of new knowledge

- Time
  - Temporal search
  - Fuzzy date support
  - Visualization of time distribution for entire dataset (Timewheel)

- Reports, Viewers & Annotations
  - Customizable reports
  - IIIF viewers / Image annotations
  - Extended 3-D viewers
  - Interactive spectra charts / comparisons
How are Arches data management tools different?
Arches data management tools...
Arches data management tools...

...rapidly configure with no coding required.
Arches data management tools...

...rapidly configure with no coding required.

...streamline data management and web publishing.
Arches data management tools...

...rapidly configure with no coding required.

...streamline data management and web publishing.

...control permissions: who can access what data.
Arches data management tools...

...rapidly configure with no coding required.

...streamline data management and web publishing.

...control permissions: who can access what data.

...structure data to optimize search & visualization.
ARCHES DESIGNER
Defines data model, i.e. data fields, how they are organized and accessed

REFERENCE DATA MANAGER
Defines controlled vocabularies for data entry and search

DATA MANAGEMENT TOOLS

RESOURCE MANAGER
Manages data entry, using the data fields and values created in Arches Designer & Reference Data Manager.
DATA MANAGEMENT TOOLS

ARCHES DESIGNER
Defines data model, i.e. data fields, how they are organized and accessed

REFERENCE DATA MANAGER
Defines controlled vocabularies for data entry and search

RESOURCE MANAGER
Manages data entry, using the data fields and values created in Arches Designer & Reference Data Manager.
Arches Designer

- Design your database and dynamic generate user interface
- No coding necessary
- Permissions controls for data access
- Full integration of CIDOC CRM ontology
- Creates data models which can be shared
ARCHES DESIGNER: Define data structure, data entry interface, permissions
ARCHES DESIGNER: Add additional fields
REFERENCE DATA MANAGER & ARCHES DESIGNER:
Add new terms
Reference Data Manager

• Manages controlled vocabularies i.e. the terminology that Arches uses to populate data entry lists and fuel more meaningful searches

• Ensures consistent data entry even when multiple terms exist for a single concept
ARCHES DESIGNER
Defines data model, i.e. data fields, how they are organized and accessed.

REFERENCE DATA MANAGER
Defines controlled vocabularies for data entry and search.

RESOURCE MANAGER
Manages data entry, using the data fields and values created in Arches Designer & Reference Data Manager.

DATA MANAGEMENT TOOLS
Resource Manager

- Create new resource records
- Add/edit/delete data on existing resources
- Review Edit History
- View/Approve provisional edits
RESOURCE MANAGER: Enter multiple names
RESOURCE MANAGER: Enter location
RESOURCE MANAGER: Upload a photograph
RESOURCE MANAGER: Assess condition
RESOURCE MANAGER: Review edit history
RESOURCE MANAGER: Review provisional edits
ARCHES DESIGNER
Defines data model, i.e. data fields, how they are organized and accessed

REFERENCE DATA MANAGER
Defines controlled vocabularies for data entry and search

RESOURCE MANAGER
Manages data entry, using the data fields and values created in Arches Designer & Reference Data Manager.
Arches Collector, v.0.2.1

- Companion mobile app for Arches (v4.4.3)
- Available for iOS & Android mobile devices
- **Arches Collector Manager** interface to define data collection parameters
- Webinar on Arches Collector available on archesproject.org/collector
Coming Next!
Intro to the Arches Platform Upcoming Webinars

Part 1
Capabilities
• Data Management
• Data Discovery & Visualization

Part 2
Data Management Tools
• Arches Collector – Mobile App
• Resource Manager
• Arches Designer
• Reference Data Manager

Part 3
Data Technology Concepts
• Data Standards
• Semantics/Ontologies (incl. CIDOC CRM)
• Controlled Vocabularies
• Fuzzy Dates

Part 4
Information Architecture
• Software Stack
• Software Standards
Arches
Q&A
- Thank you -

Share your feedback: contact@archesproject.org

Community Support - Arches Forum: www.groups.google.com/archesproject
Webinar repository – www.archesproject.org/videos