Welcome!

Arches Version 5.0:
A summary of what’s new in the Arches Platform

Wednesday, February 26, 2020
Webinar Notes

- Intro to the Arches Platform webinar series to resume in a couple of months
- Webinar Q&A
- v5 demo coming soon!
- Webinar recordings
Webinar Repository - www.archesproject.org/videos

Arches Videos

The following are videos that feature Arches. If you have put together a video about Arches and would like it included here (with attribution, of course), please let us know via email (contact@archesproject.org) or via our Discussion Forum.

Webinars

These are videos that are related to Arches Webinars. When available, transcripts and slide decks will be included.

- **Intro to the Arches Platform: Part 1 – Capabilities + Q&A**  
  by the Arches Team  
  - View Full Transcript (PDF).
  - View Slide Deck.

- **Arches Webinar: Arches Collector Preview and Q&A**  
  by the Arches Team  
  - View Q&A Transcript (PDF).
  - View Slide Deck (PDF).
Agenda

Arches?

What’s new in v5

Moving from Arches v4 → v5

Questions
Arches v5.0
A web and mobile platform for managing your most important resource, information.
A comprehensive information and task management platform for heritage institutions

**Data Management**
- Collect & Share
  - Mobile app: on/off-line collection
  - Robust import/export with notifications
- Structure & Storage
  - Semantic, self-describing, sustainable data structure
  - Dynamic UI-generation
- Controlled Access, Audit & Review
  - User & group secure access management
  - Granular (node level) permission control
  - Detailed audit of changes to data
  - Provisional (unpublished) data; data review
  - Multiple ontologies—e.g., CIDOC CRM
  - Cloud/server deployable
  - API & linked data support
  - Multiple data types supported

**Data Discovery & Visualization**
- Search
  - Semantic & thesauri-enhanced searches
  - Searchable annotations
  - Support for custom indexing
  - Export search results
  - Geospatial search
- Spatial Data / GIS
  - Integrates GIS functionality
  - Seamless management of Arches data in external GIS—e.g., esri
  - Changeable basemaps—e.g., historical maps
  - Overlays supported
  - Satellite imagery
- Relationships
  - Explores relationships between resources—e.g., people, materials, activities, historic events, objects, iconography
  - Discovery of previously unknown connections/new knowledge
  - Saved and Advanced searches
  - Satellite imagery
- Time
  - Temporal search
  - Fuzzy date support
  - Visualization of time distribution in entire dataset—Timewheel
- Reports, Viewers & Annotations
  - Customizable reports using Report Manager
  - IIIF viewers and image annotations
  - High-resolution image support
  - Extended 3-D viewers
  - Interactive spectra charts with comparisons
  - Customizable dashboards
- Workflows
  - Comprehensive, flexible workflow (i.e., process) management
  - Task tracking
  - Notifications
  - Project Status plugin
  - Correspondence management and tracking
  - Letter templates with auto completion

**Controlled Vocabularies**
- Thesauri management—Reference Data Manager (RDM)

**Workflows**
- Thesauri management—Reference Data Manager (RDM)
Workflows

Task-based editing

Flexible
Some Examples

Permit Application Review
Site/Building Designation
Condition Assessment
Site Visits
Sample Taking
Permit Review includes:

Where/what/who
Type
Proposal/Conditions/Mitigations
Heritage at risk
Schedule
Workflows: Multi-step editing tasks
Workflows: Create New Resources Inline
Plug-ins

Custom functionality and user interfaces
Task Manager/Notification

Manage long running tasks
Alert users when results are ready
Many uses
Task Examples

Downloading data
Data processing
Image upload ➔ IIIF Server
...

Task Manager Examples
Notification Examples

Data request is ready
You have a task
...

Notification Examples
What’s new in v5.0

Workflows + Plug-ins + Task Manager + Notifications
Workflows + Plugins + Task Manager + Notifications for Developers

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\[ = 3 \times h \]

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Interoperability

FeatureServices (esri)
GeoJSON Services (QGIS)
Technology Upgrades
Arches v5.0 Technology Upgrades

Python 2.7 → 3.7
Django 1.11 → 2.2.9
Postgres 9.6 → 12.0
PostGIS 2.5 → 3.0
ElasticSearch 5.x → 7.4
So What?
So What about Technology?

The technology upgrade is a commitment to our long term support of Arches.
Upgrading from v4 → v5
v4 models work in v5
v4 data loads into v5
v4 reference data (RDM) loads into v5
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 -

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Webinar repository – www.archesproject.org/videos