Welcome!

Intro to the Arches Platform

Part 2 of 4 – Data Management Tools

Wednesday, December 11, 2019

Webinar Presenters and Q&A Moderators

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Farallon Geographics Inc

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Intro to the Arches Platform Upcoming Webinars

Part 1 **Capabilities**

Part 2 **Data Management Tools**

Part 3 **Data Technology Concepts**

Part 4 **Information Architecture**

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Webinar Agenda

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

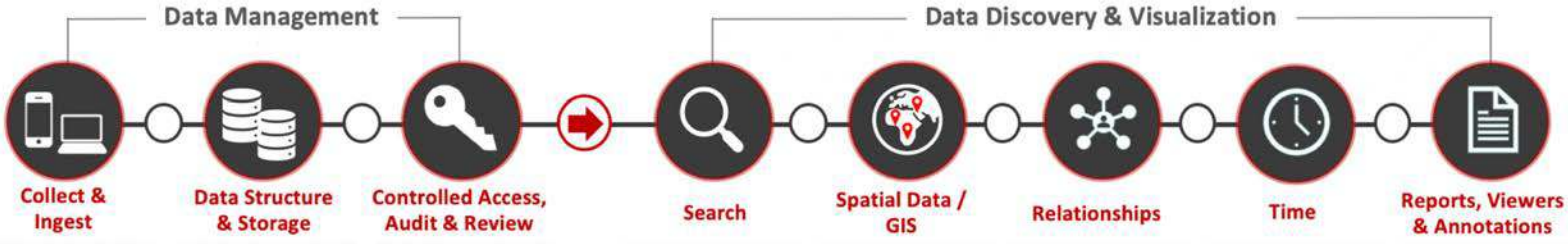
About Arches

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 to access the webinar video, transcript and slides!

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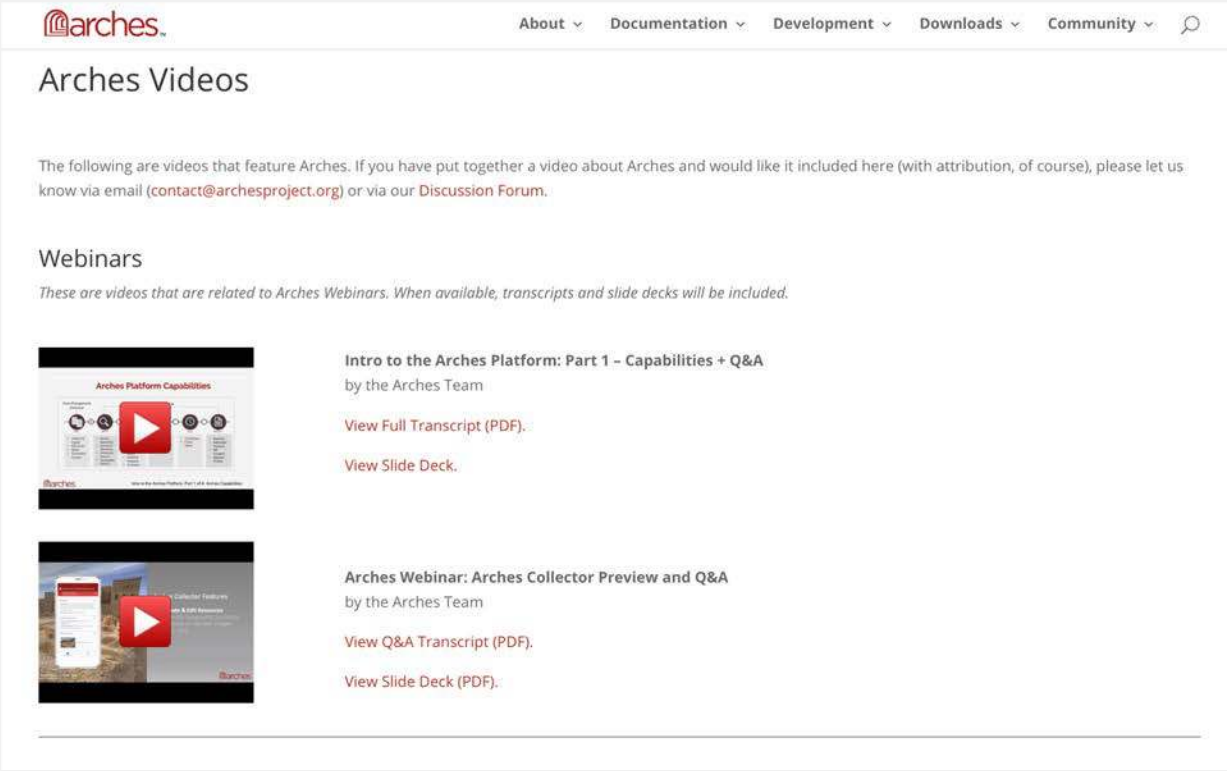
Webinar Repository – www.archesproject.org/videos



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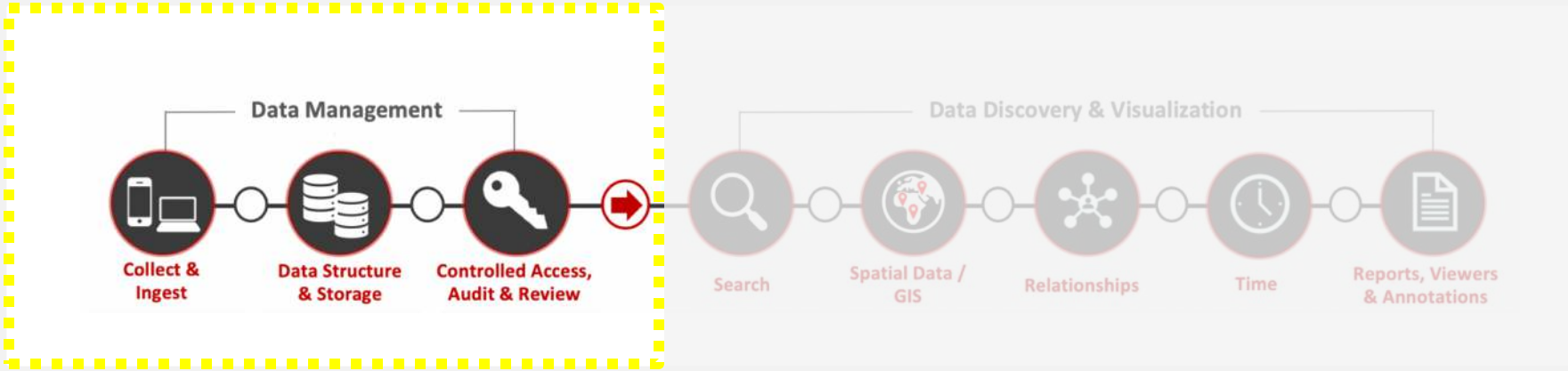
Intro to Data Management Tools



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Data Management Tools

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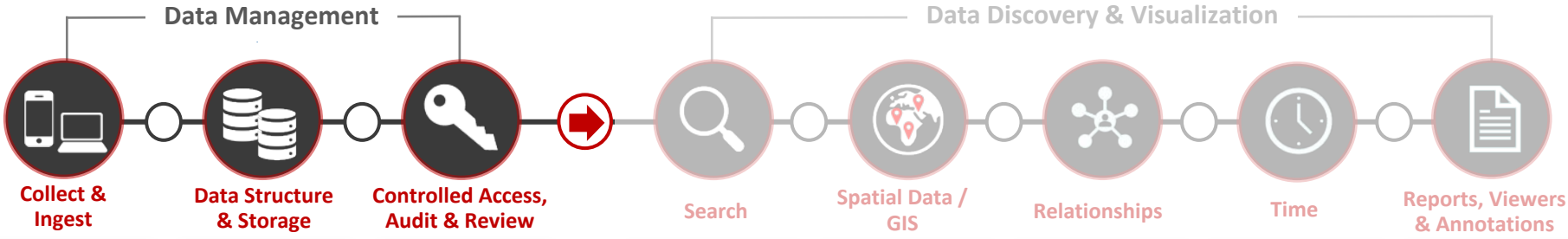
cultural heritage data management platform

A comprehensive open-source data-management platform for heritage institutions
archesproject.org



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

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

- User & group access management
- Granular (node level) permission control
- Detailed data audit
- Provisional data / data review

- Semantic searches
- Annotation searches
- Saved searches
- Geospatial search
- Advanced search

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

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

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

- 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.

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…streamline data management and web publishing.

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…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.

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DATA MANAGEMENT TOOLS

ARCHES DESIGNER

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

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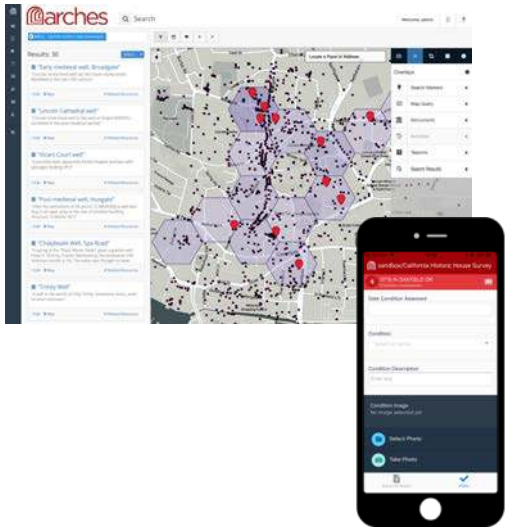
REFERENCE DATA MANAGER

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.



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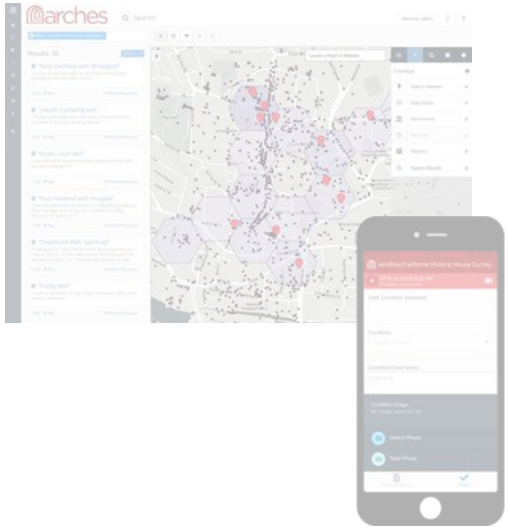

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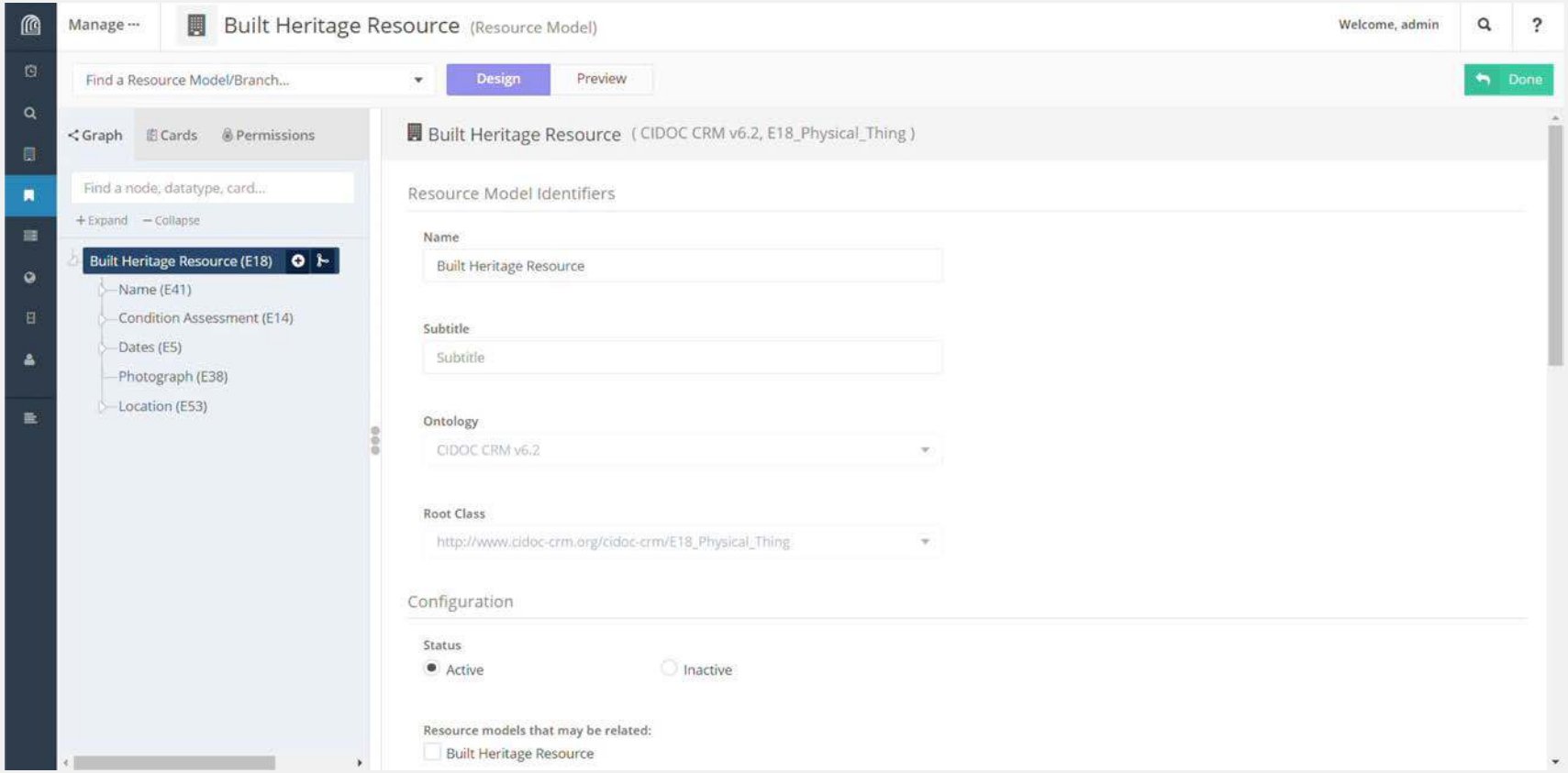
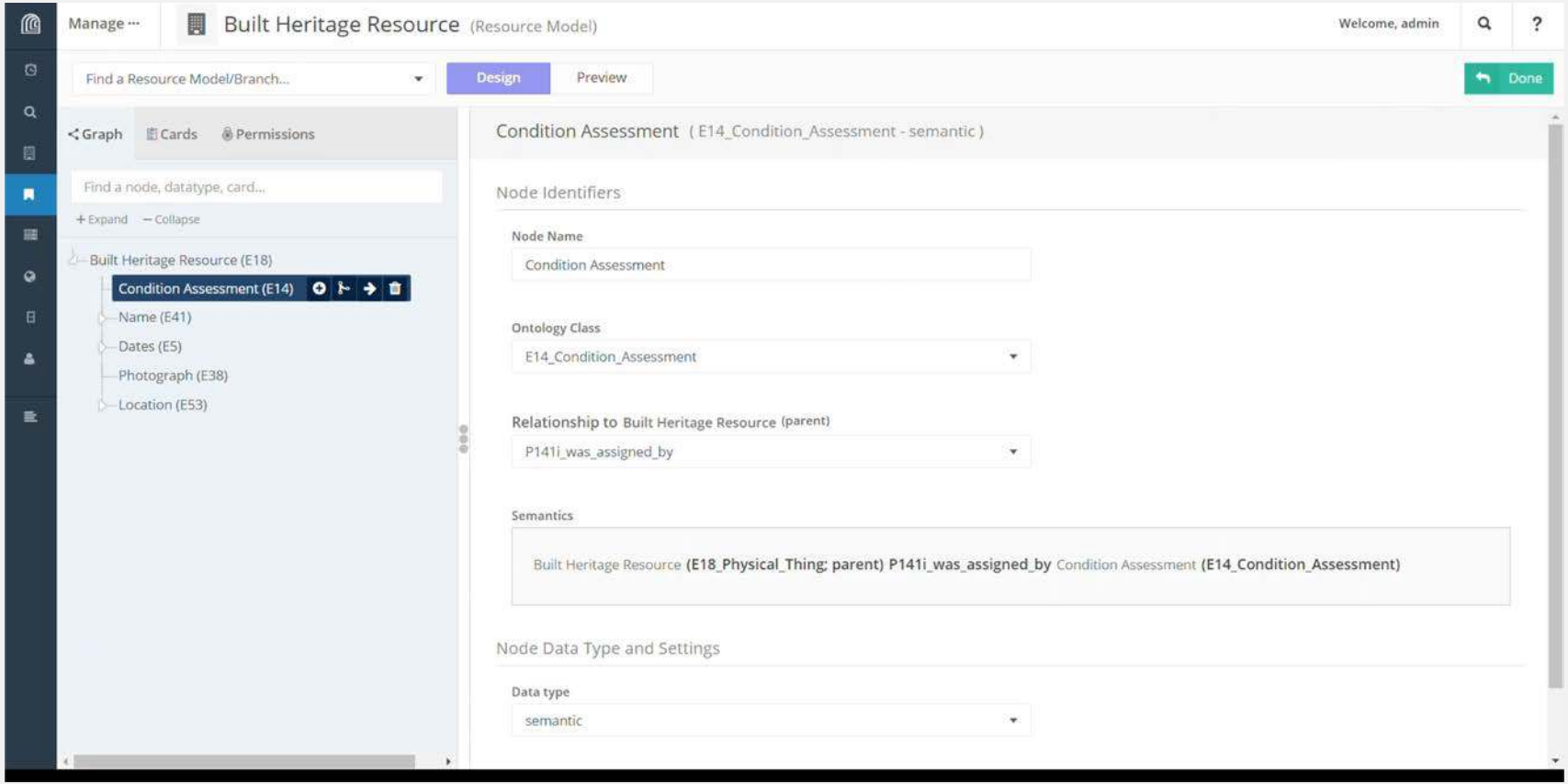
Arches Designer

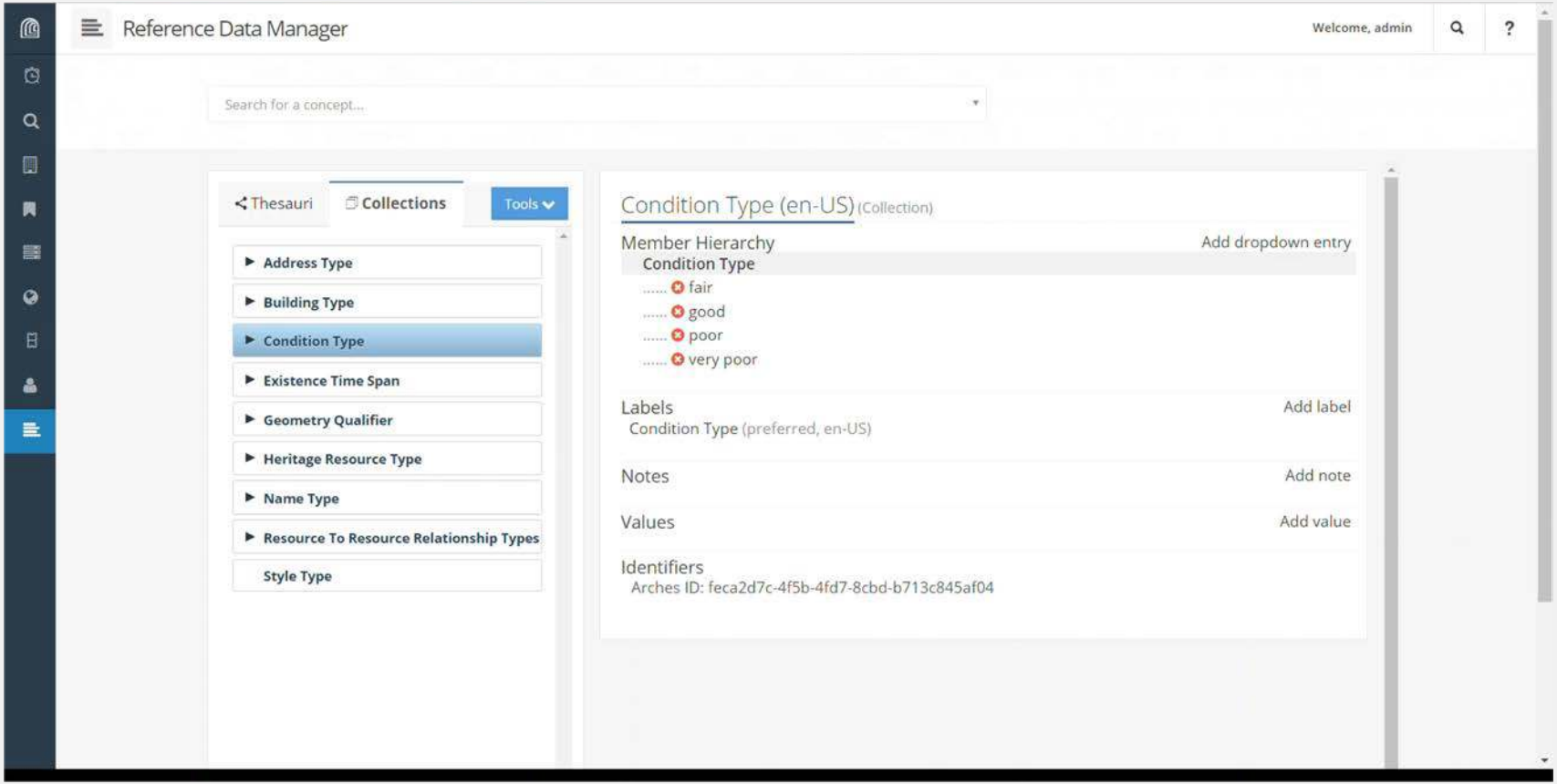
- Design your database and dynamic generate user interface
- No coding necessary
- Permissions controls for data access
- Full integration of CIDOC CRM ontology
- Creates data models which can be shared



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

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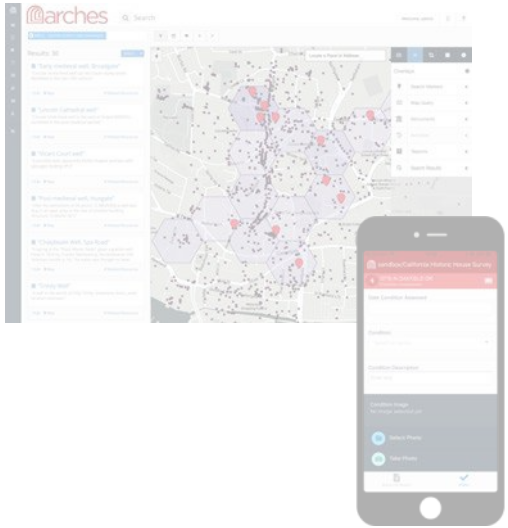

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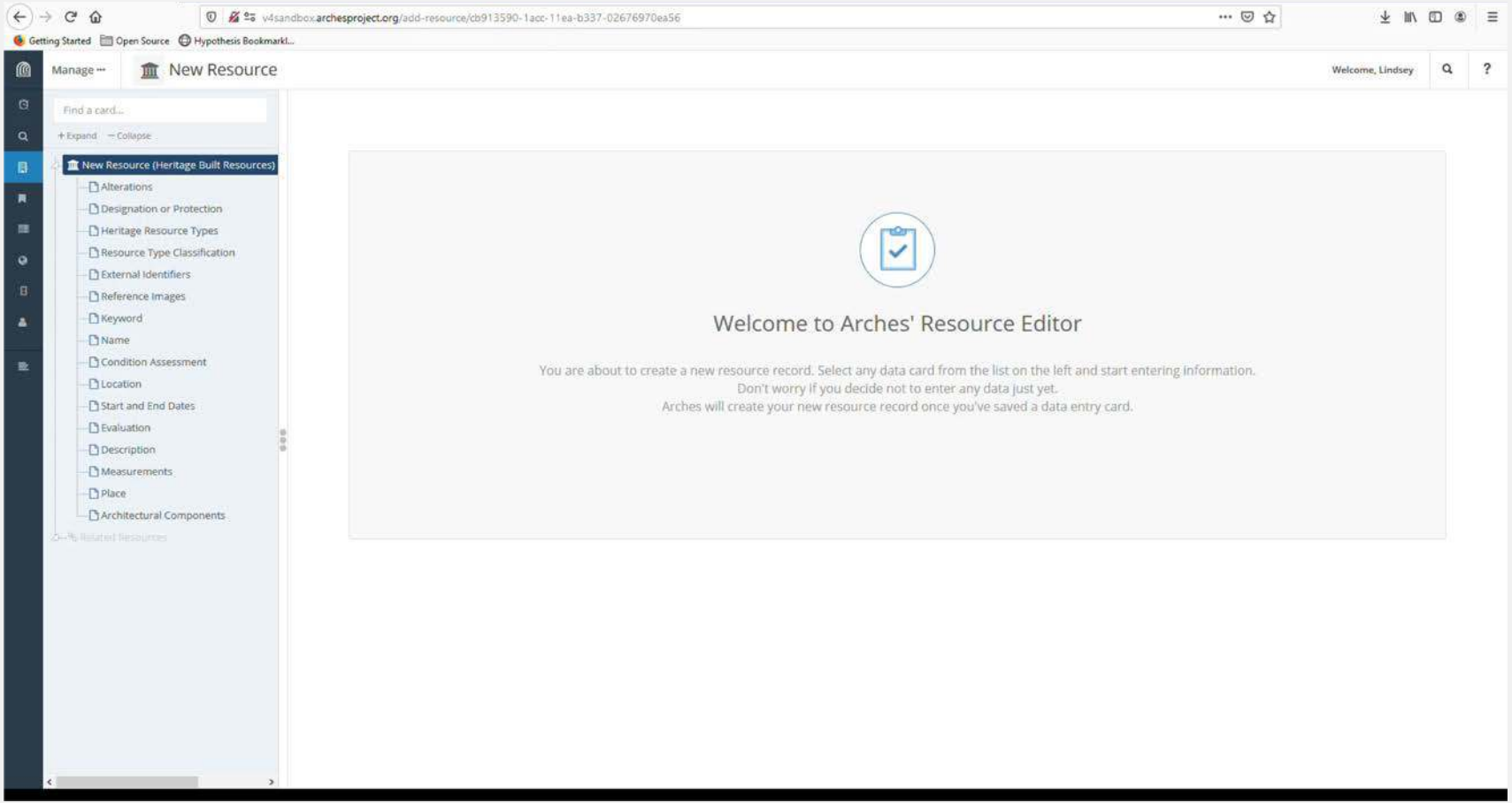
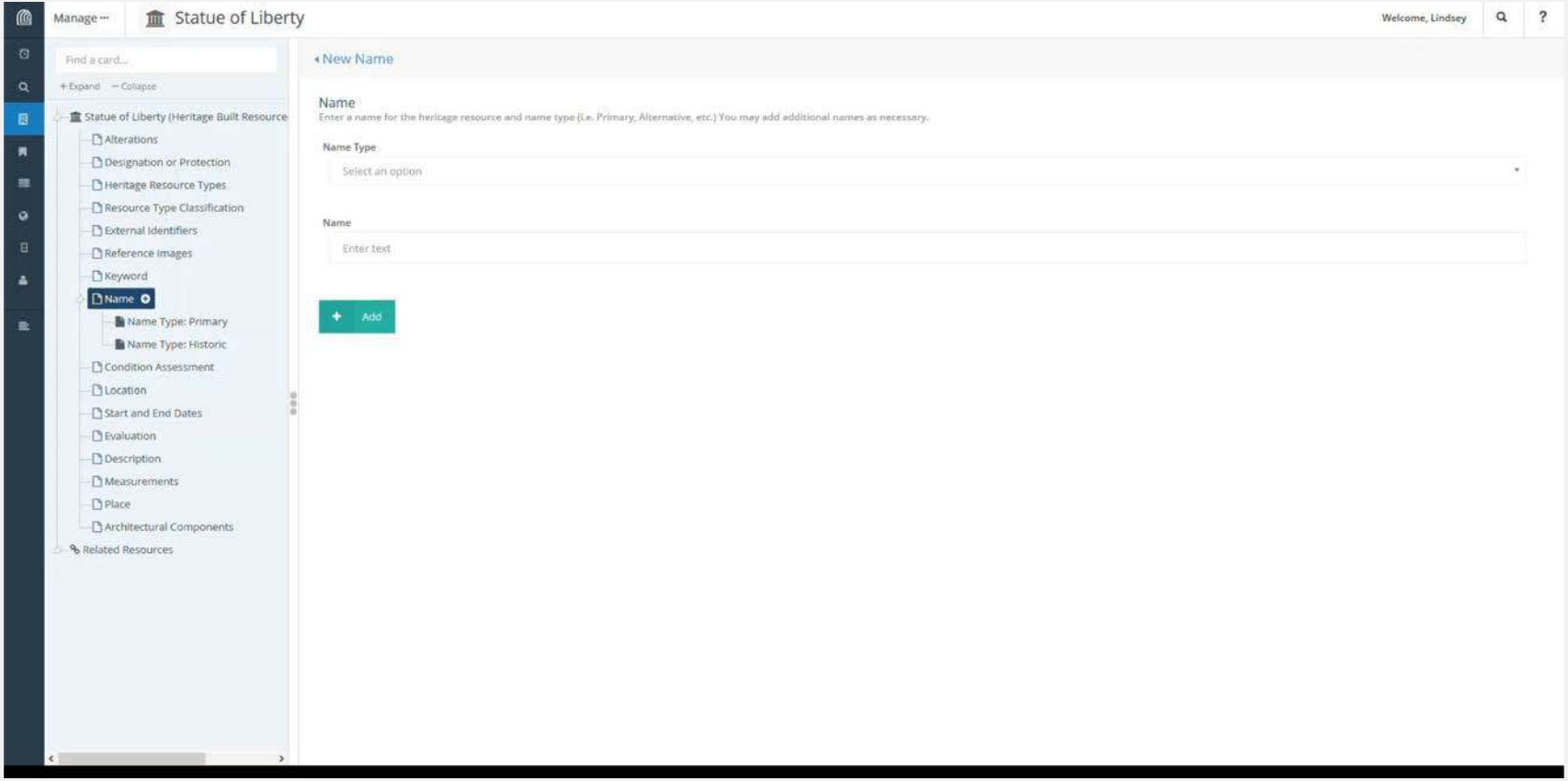
Resource Manager

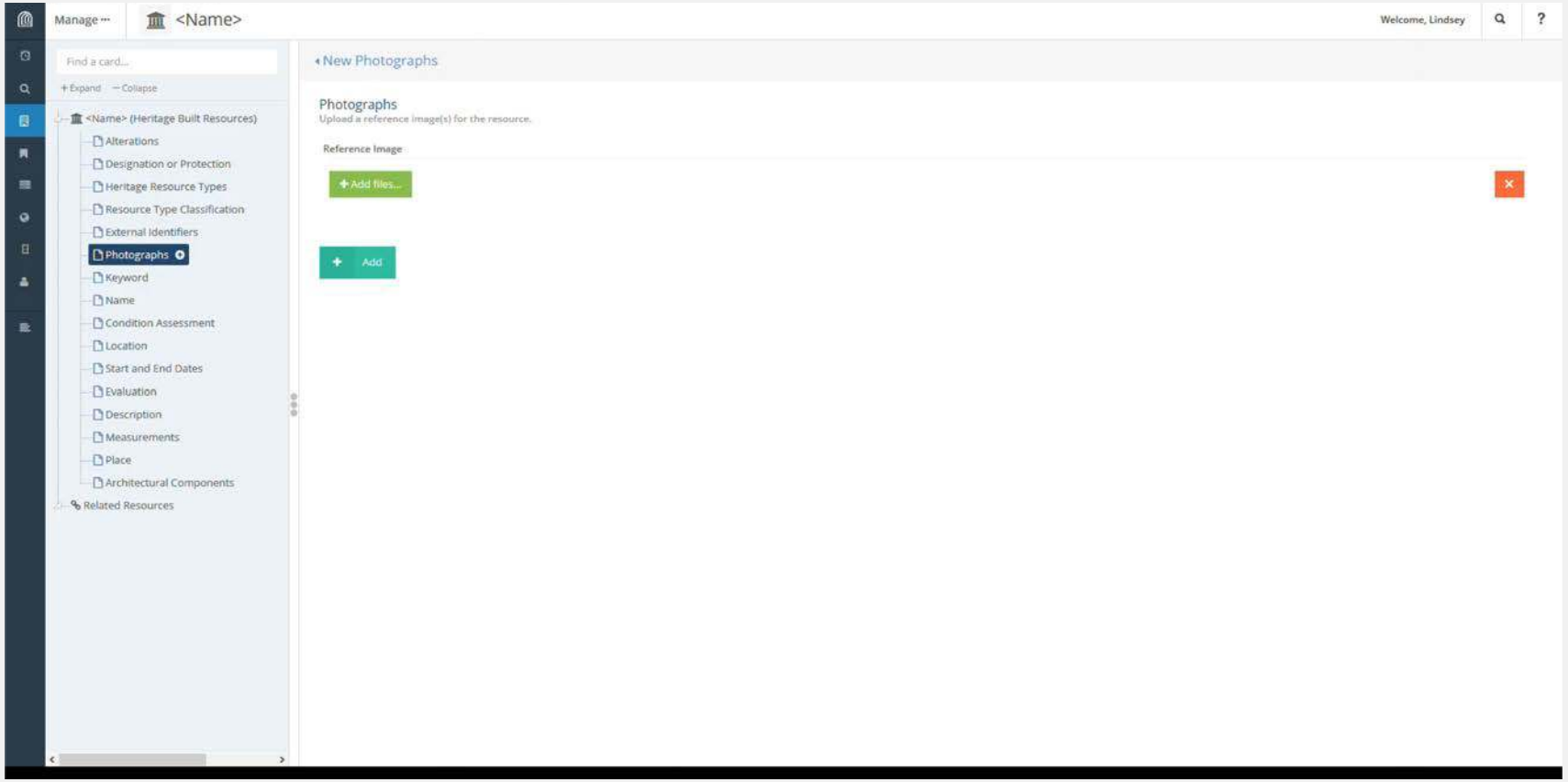
- Create new resource records
- Add/edit/delete data on existing resources
- Review Edit History
- View/Approve provisional edits



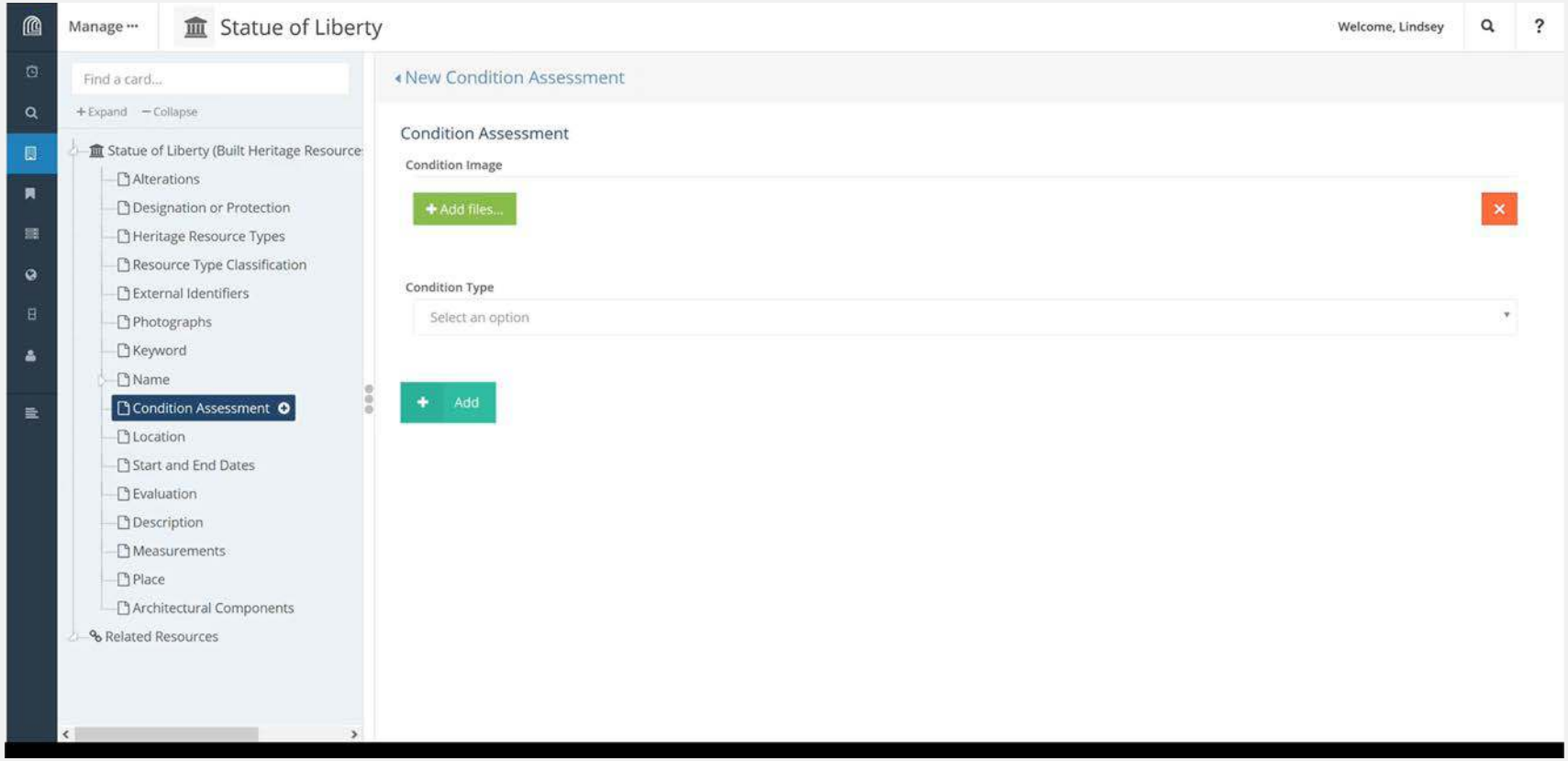
RESOURCE MANAGER: Enter multiple names



RESOURCE MANAGER: Enter location



RESOURCE MANAGER: Upload a photograph



RESOURCE MANAGER: Assess condition

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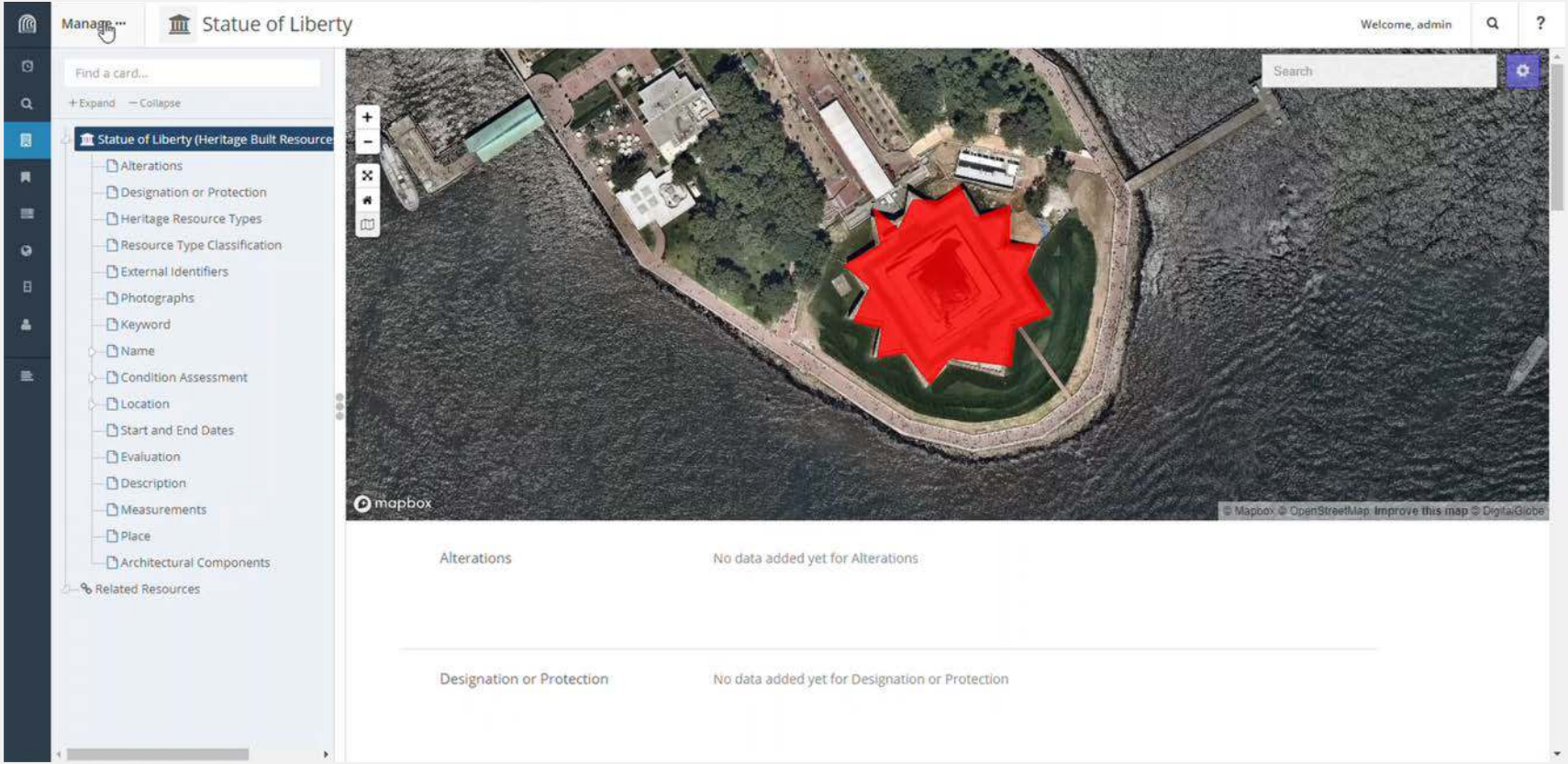
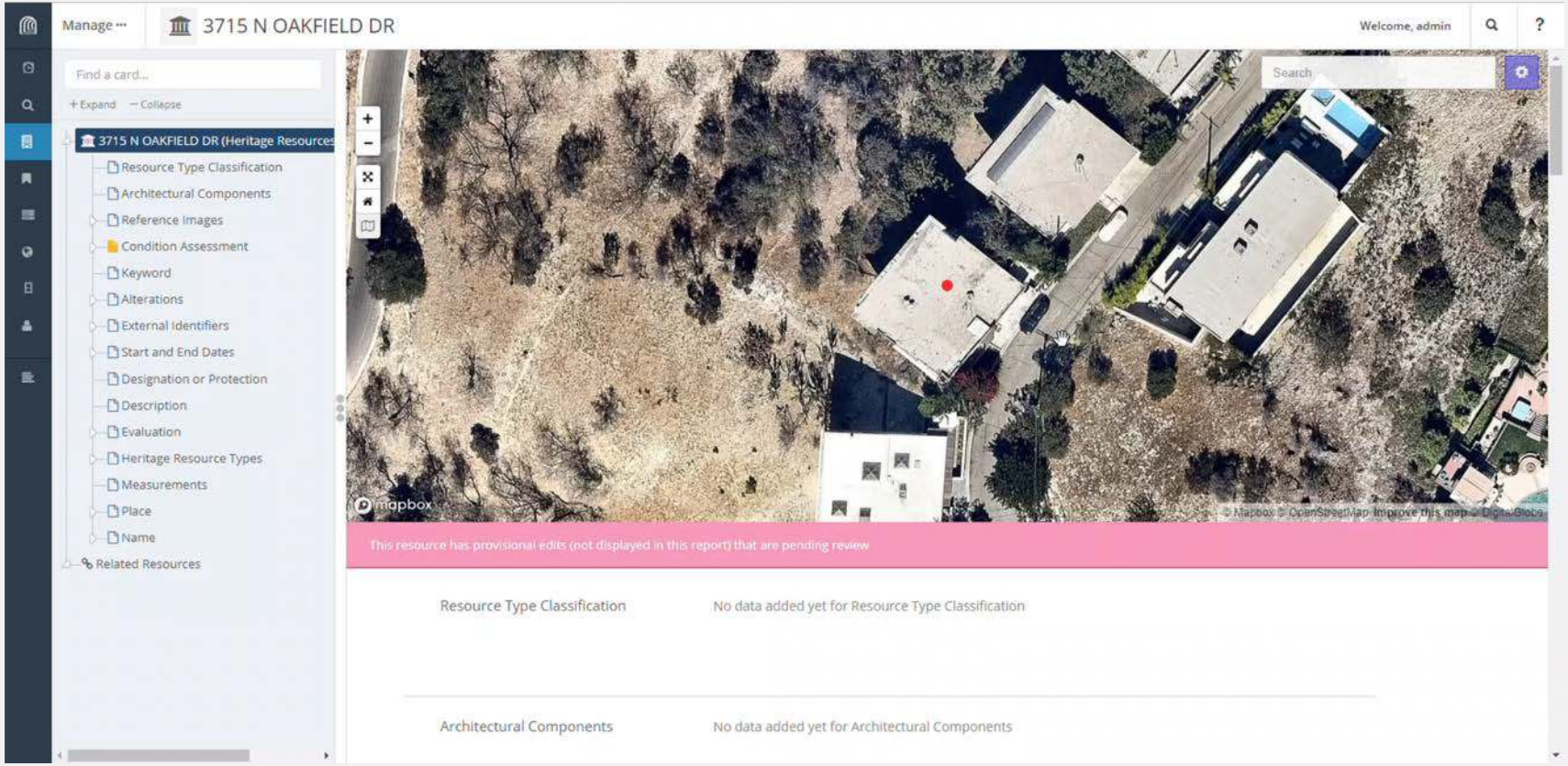


RESOURCE MANAGER: **Review edit history**



RESOURCE MANAGER: **Review provisional edits**

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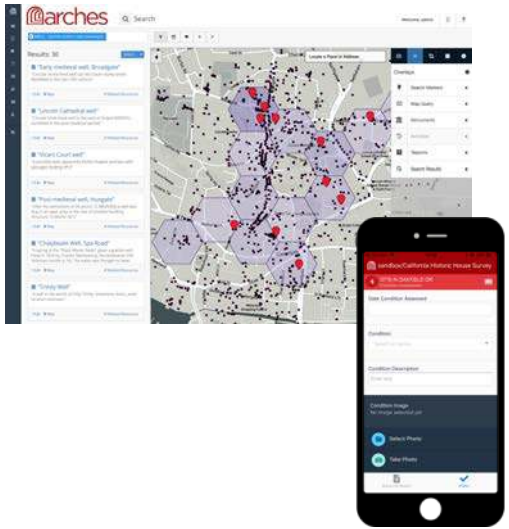

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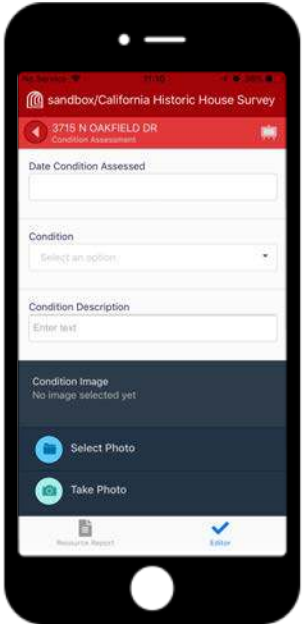

Arches Collector, v.0.2.1

- 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

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Arches
Q&A

- Thank you -

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cultural heritage data management platform