Welcome!

Arches Version 5.0:

A summary of what's new in the Arches Platform

Wednesday, February 26, 2020

arches®

cultural heritage data management platform

Webinar Presenters and Q&A Moderators

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Getty Conservation Institute

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Farallon Geographics Inc

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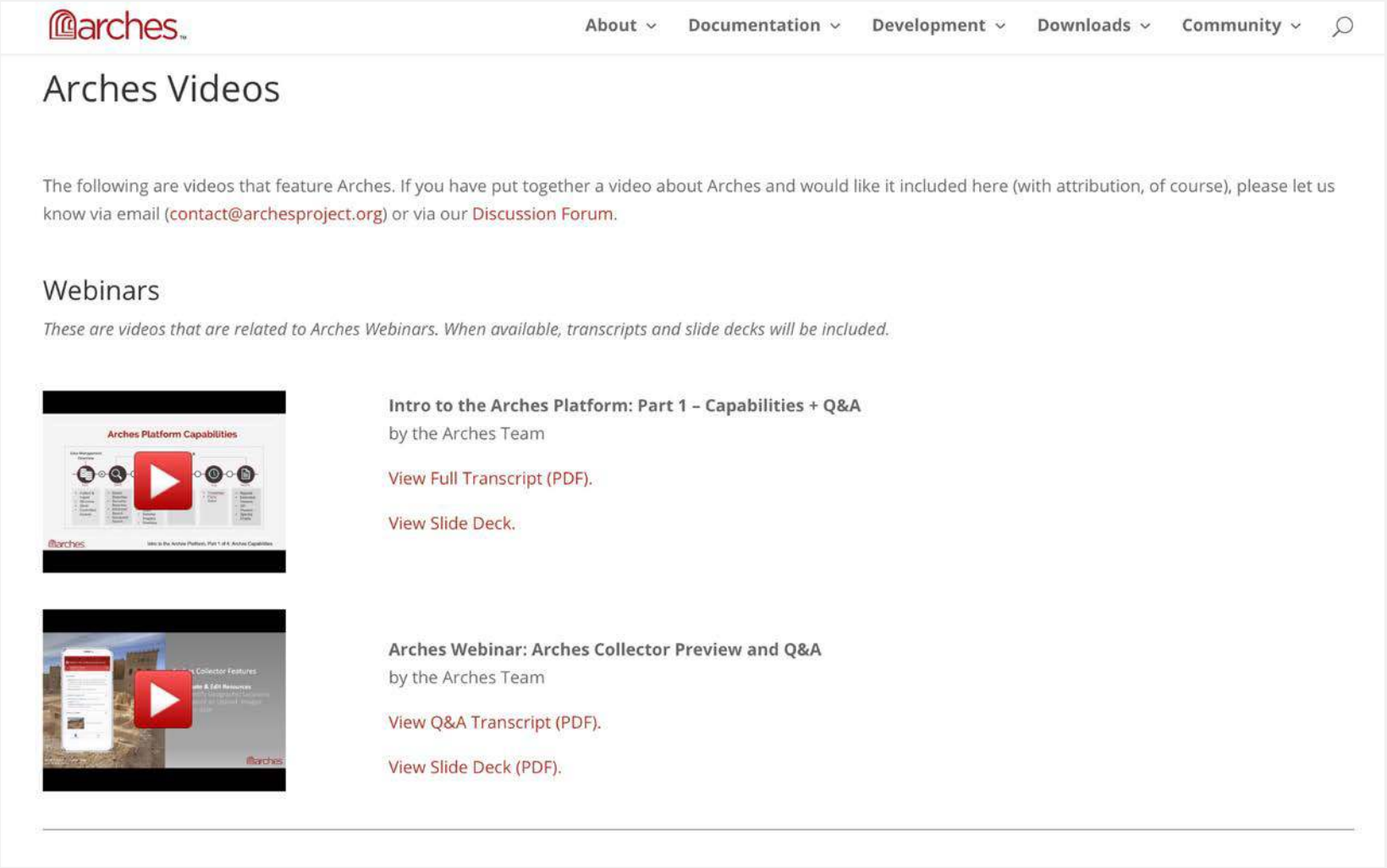
Webinar Notes

- **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



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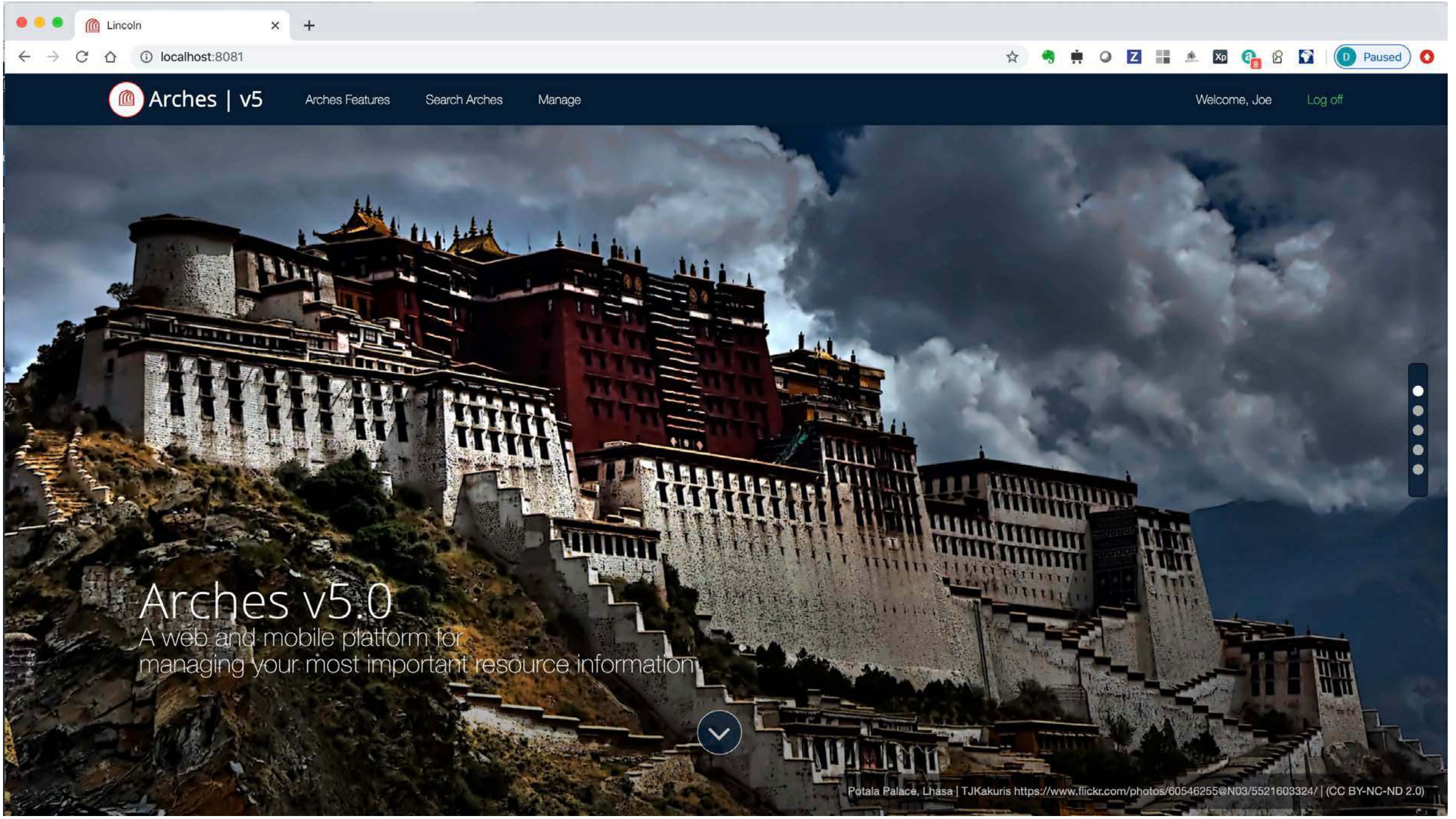
Agenda

Arches?

What's new in v5

Moving from Arches v4 → v5

Questions


Lincoln
localhost:8081
Paused
Arches | v5
Arches Features
Search Arches
Manage
Welcome, Joe
Log off
Arches v5.0
A web and mobile platform for
managing your most important resource information
Potala Palace, Lhasa | TJKakuris https://www.flickr.com/photos/60546255@N03/5521603324/ | (CC BY-NC-ND 2.0)

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A comprehensive information and task management platform for heritage institutions

archesproject.org

Data Management

Collect & Share

- Mobile app: on/ off-line collection
- Robust import / export with notifications

Controlled Vocabularies

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

Structure & Storage

- Semantic, self-describing, & sustainable data structure
- Dynamic UI-generation
- Multiple ontologies–e.g., CIDOC CRM
- Cloud/server deployable
- API & linked data support
- Multiple data types supported

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- Provisional (unpublished) data; data review

Data Discovery & Visualization

Search

- Semantic & thesauri-enhanced searches
- Searchable annotations
- Support for custom indexing
- Export search results
- Geospatial search
- Saved and Advanced searches

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

- Explore relationships between resources – e.g., people, materials, activities, historic events, objects, iconography
- Discovery of previously unknown connections / new knowledge

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

Project/Task Management

Workflows

- Comprehensive, flexible workflow (i.e., process) management
- Task tracking
- Notifications
- *Project Status* plugin
- Correspondence management and tracking
- Letter templates with auto completion

Workflows

Task-based editing
Flexible

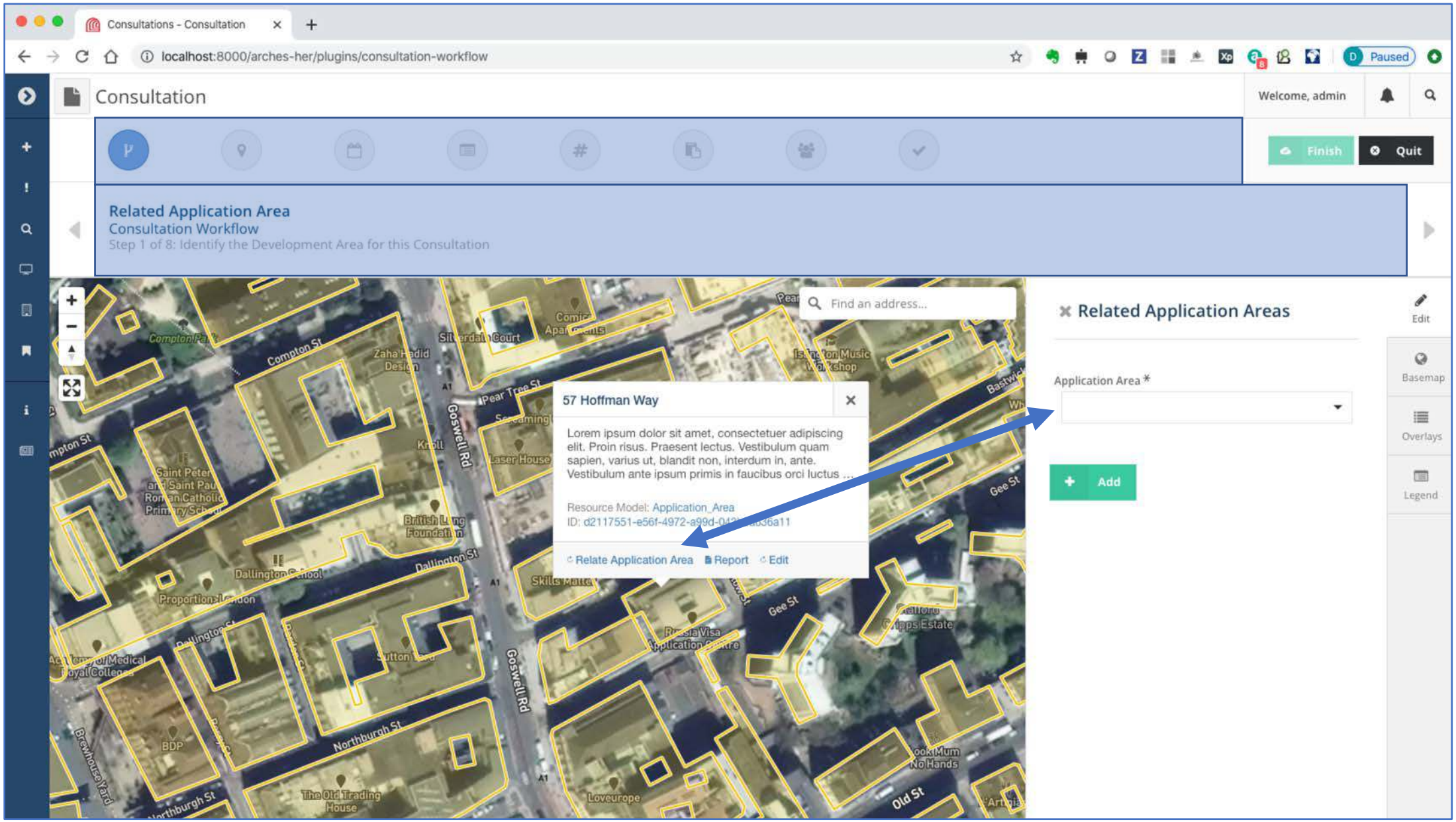
Some Examples

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

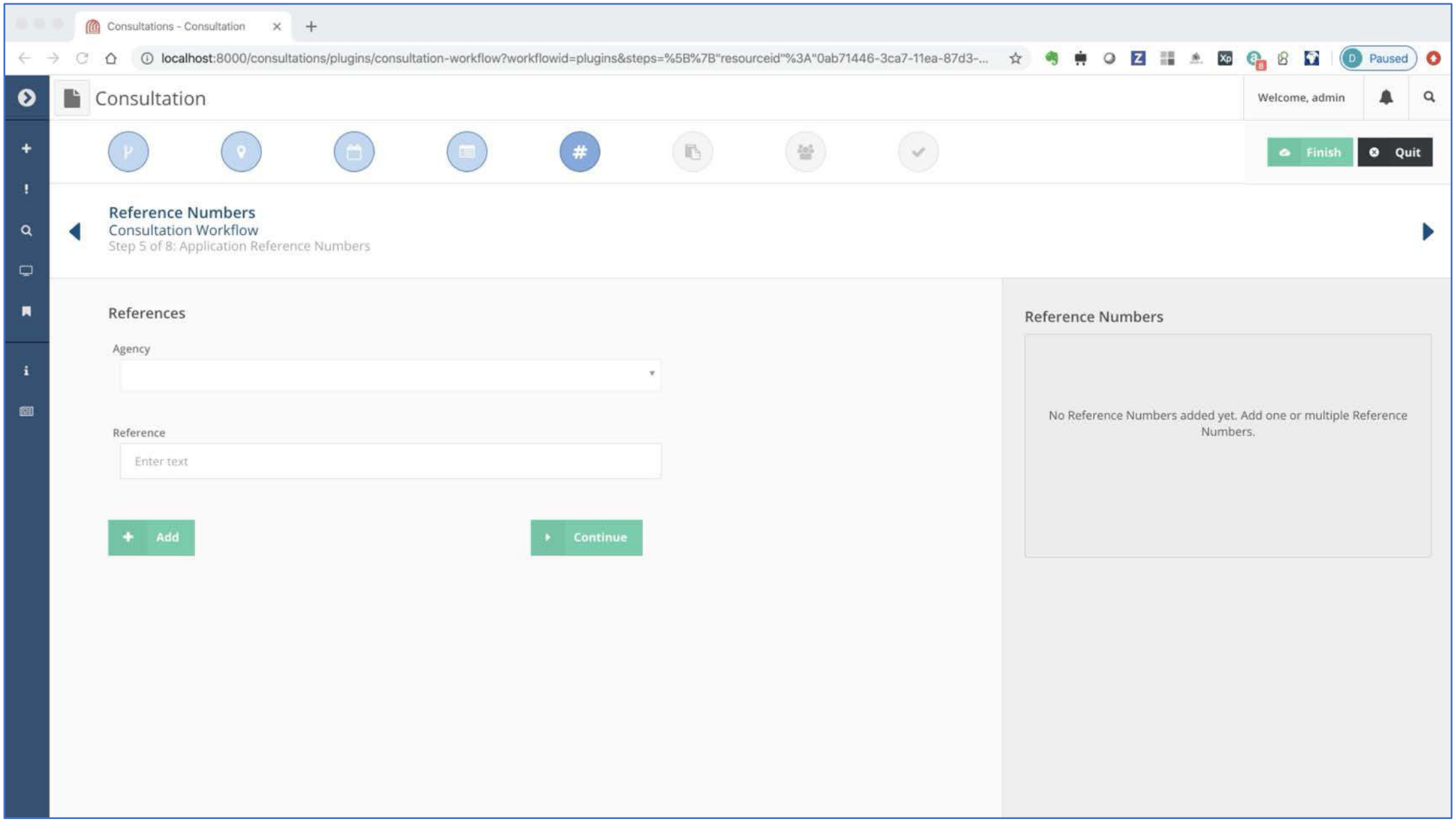
Permit Review includes:

Where/what/who
Type
Proposal/Conditions/Mitigations
Heritage at risk
Schedule

Workflows: Multi-step editing tasks



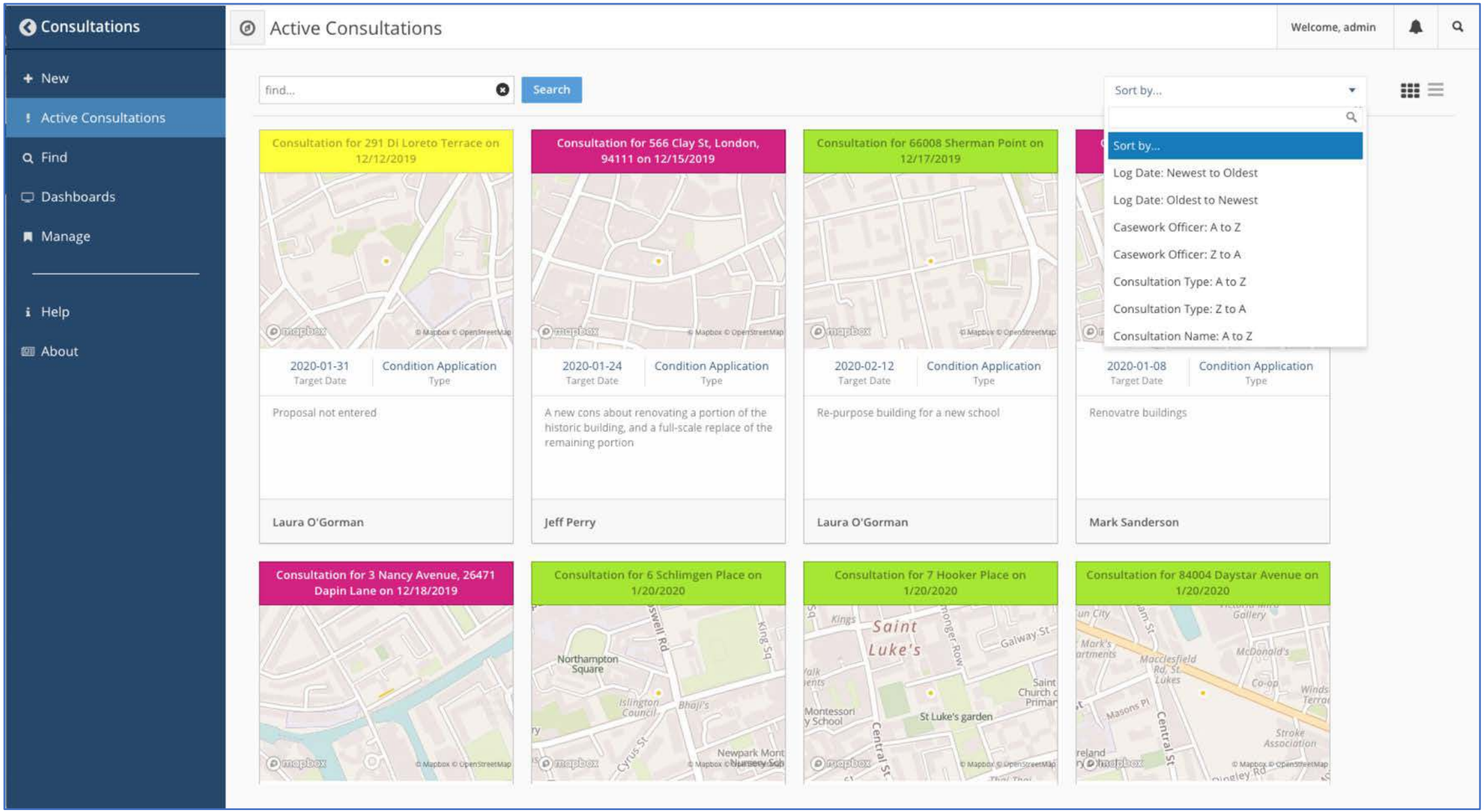
Workflows: Create New Resources Inline



Plug-ins

Custom functionality and user interfaces

Plug-ins: Project Example



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

...

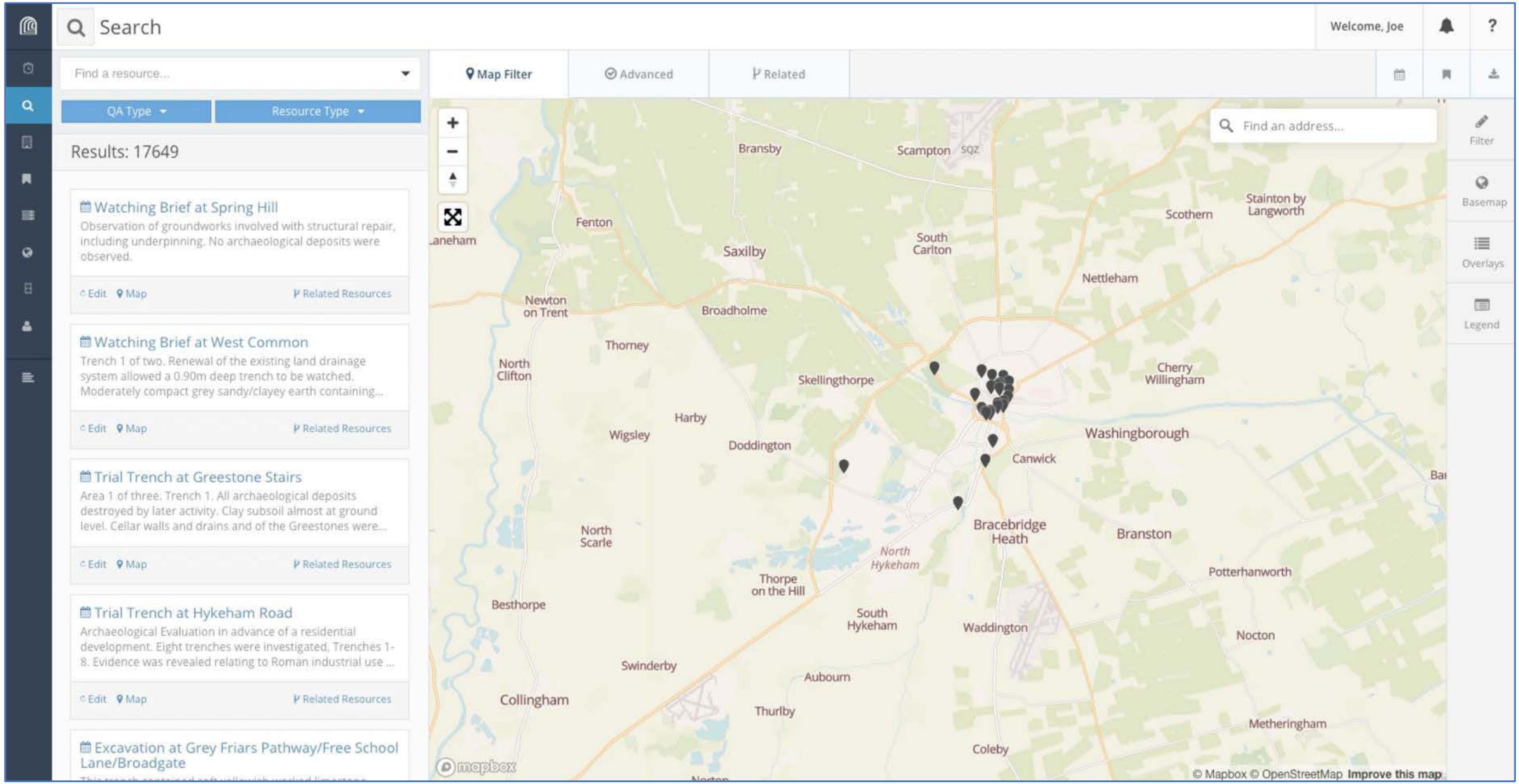
Notification Examples

Data request is ready

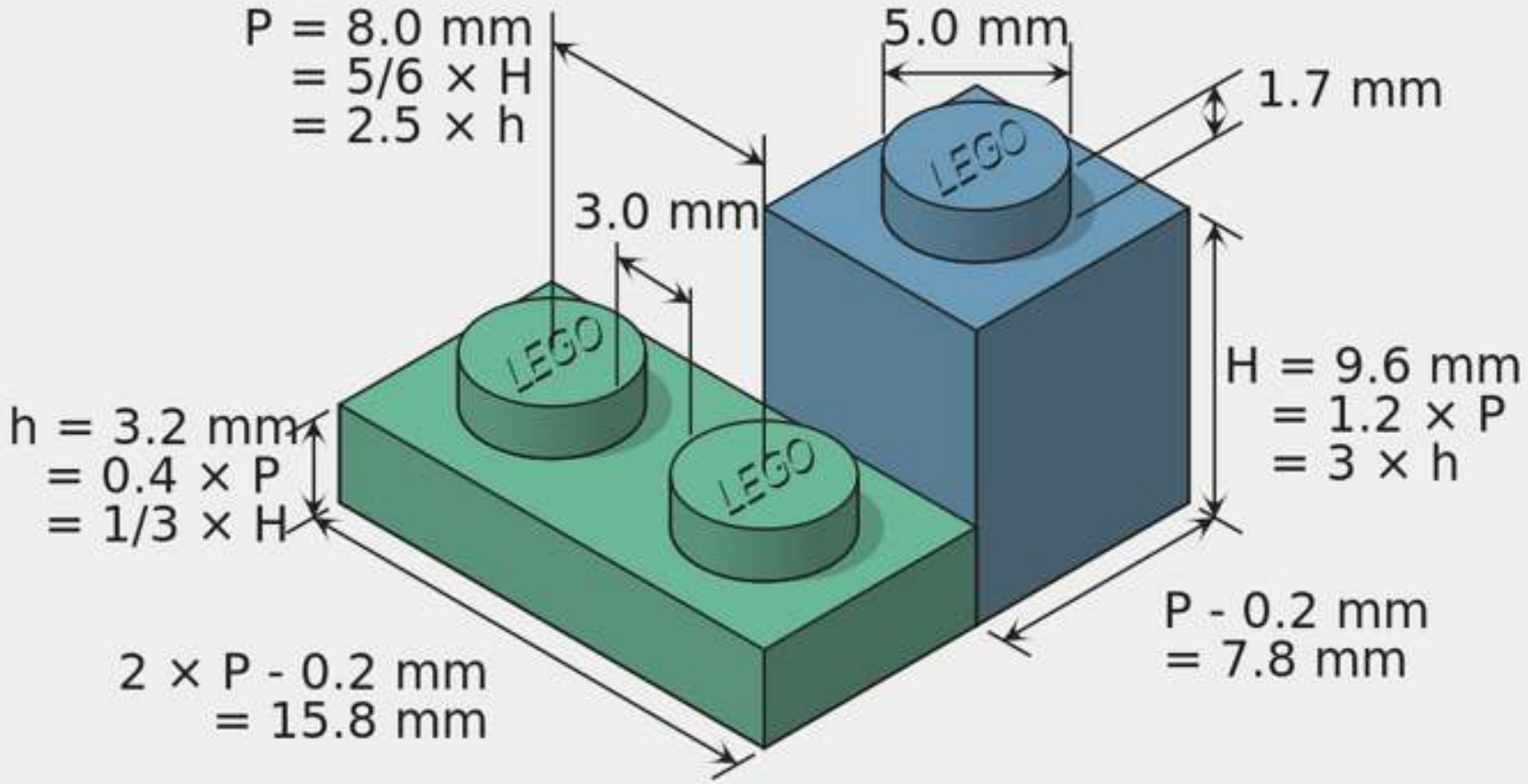
You have a task

...

Search, Download and Notify



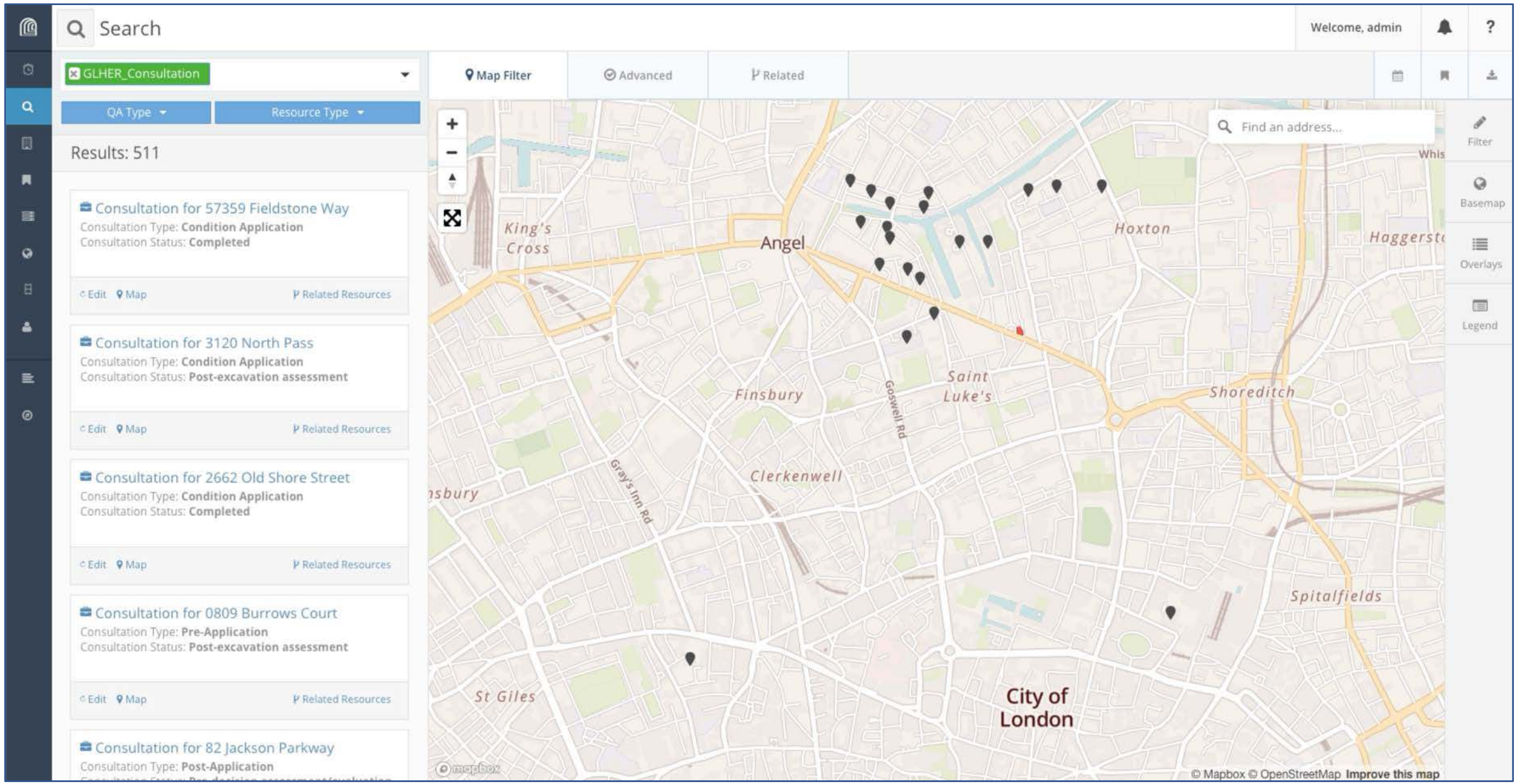
Workflows + Plug-ins + Task Manager + Notifications

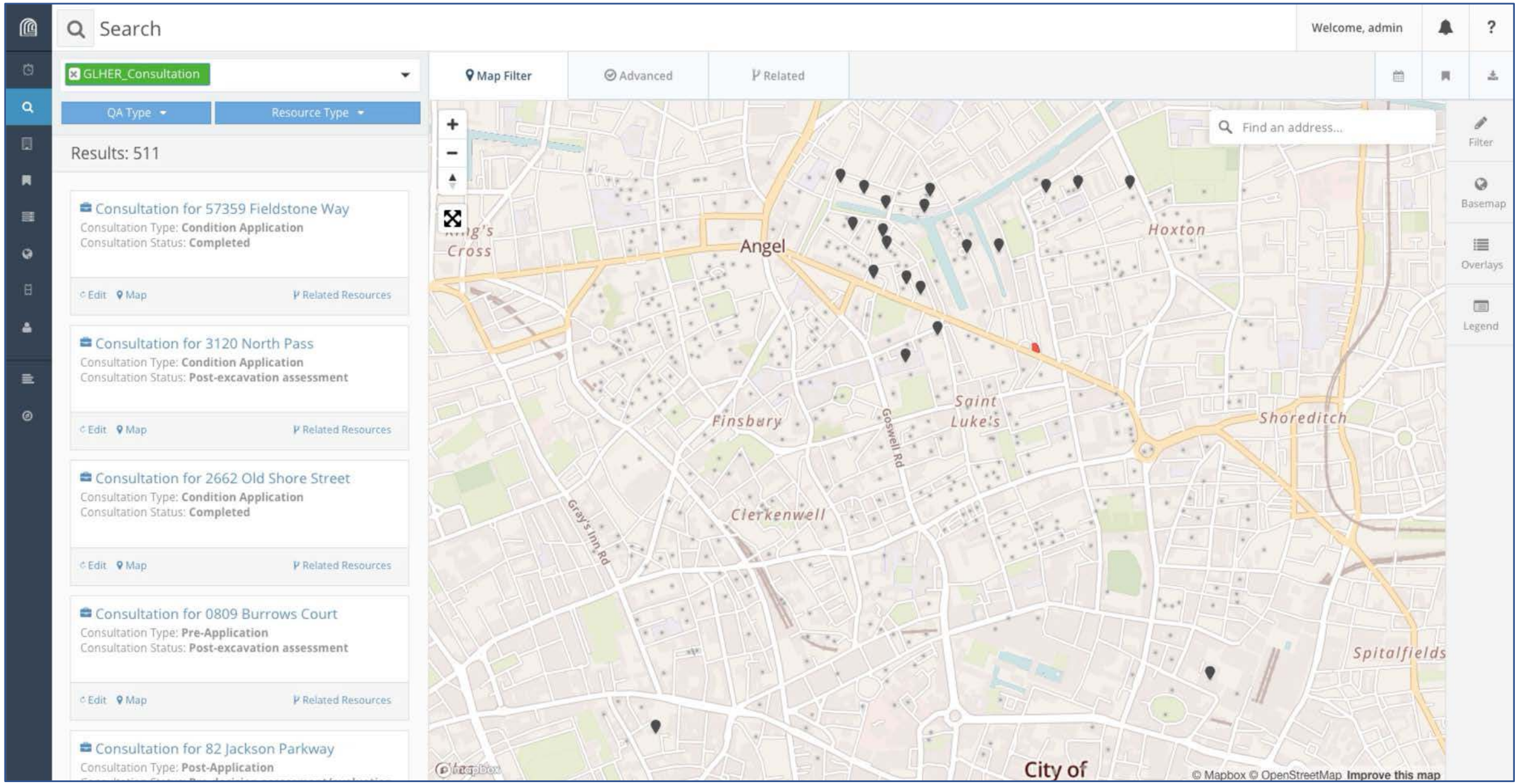

P = 8.0 mm
= 5/6 × H
= 2.5 × h
5.0 mm
1.7 mm
3.0 mm
LEGO
LEGO
LEGO
H = 9.6 mm
= 1.2 × P
= 3 × h
h = 3.2 mm
= 0.4 × P
= 1/3 × H
P - 0.2 mm
= 7.8 mm
2 × P - 0.2 mm
= 15.8 mm

Interoperability

FeatureServices (esri)
GeoJSON Services (QGIS)

Arches v5 to esri ArcGIS




Search
Welcome, admin
GLHER_Consultation
Map Filter
Advanced
Related
QA Type
Resource Type
Results: 511
Consultation for 57359 Fieldstone Way
Consultation Type: Condition Application
Consultation Status: Completed
Edit
Map
Related Resources
Consultation for 3120 North Pass
Consultation Type: Condition Application
Consultation Status: Post-excavation assessment
Edit
Map
Related Resources
Consultation for 2662 Old Shore Street
Consultation Type: Condition Application
Consultation Status: Completed
Edit
Map
Related Resources
Consultation for 0809 Burrows Court
Consultation Type: Pre-Application
Consultation Status: Post-excavation assessment
Edit
Map
Related Resources
Consultation for 82 Jackson Parkway
Consultation Type: Post-Application
Find an address...
Filter
Basemap
Overlays
Legend
Angel
Hoxton
Finsbury
Saint Luke's
Shoreditch
Clerkenwell
Goswell Rd
Gray's Inn Rd
Spitalfields
City of
© Mapbox © OpenStreetMap Improve this map

Technology Upgrades

Python 2.7 → 3.7

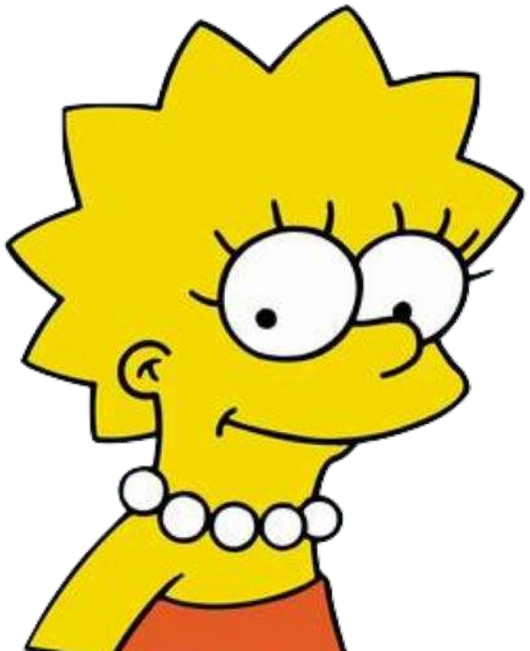
Django 1.11 → 2.2.9

Postgres 9.6 → 12.0

PostGIS 2.5 → 3.0

ElasticSearch 5.x → 7.4

So What?



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

1. Install/configure v5
2. Export v4 into v5
3. Test
4. Turn off v4

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 -

Share your feedback: contact@archesproject.org

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

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