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***Welcome!***

# Arches Version 5.0:

A summary of what's new in the Arches Platform

Wednesday, February 26, 2020



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# Webinar Presenters and Q&A Moderators



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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](http://www.archesproject.org/videos)


About ▾ Documentation ▾ Development ▾ Downloads ▾ Community ▾ 

## 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](mailto: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

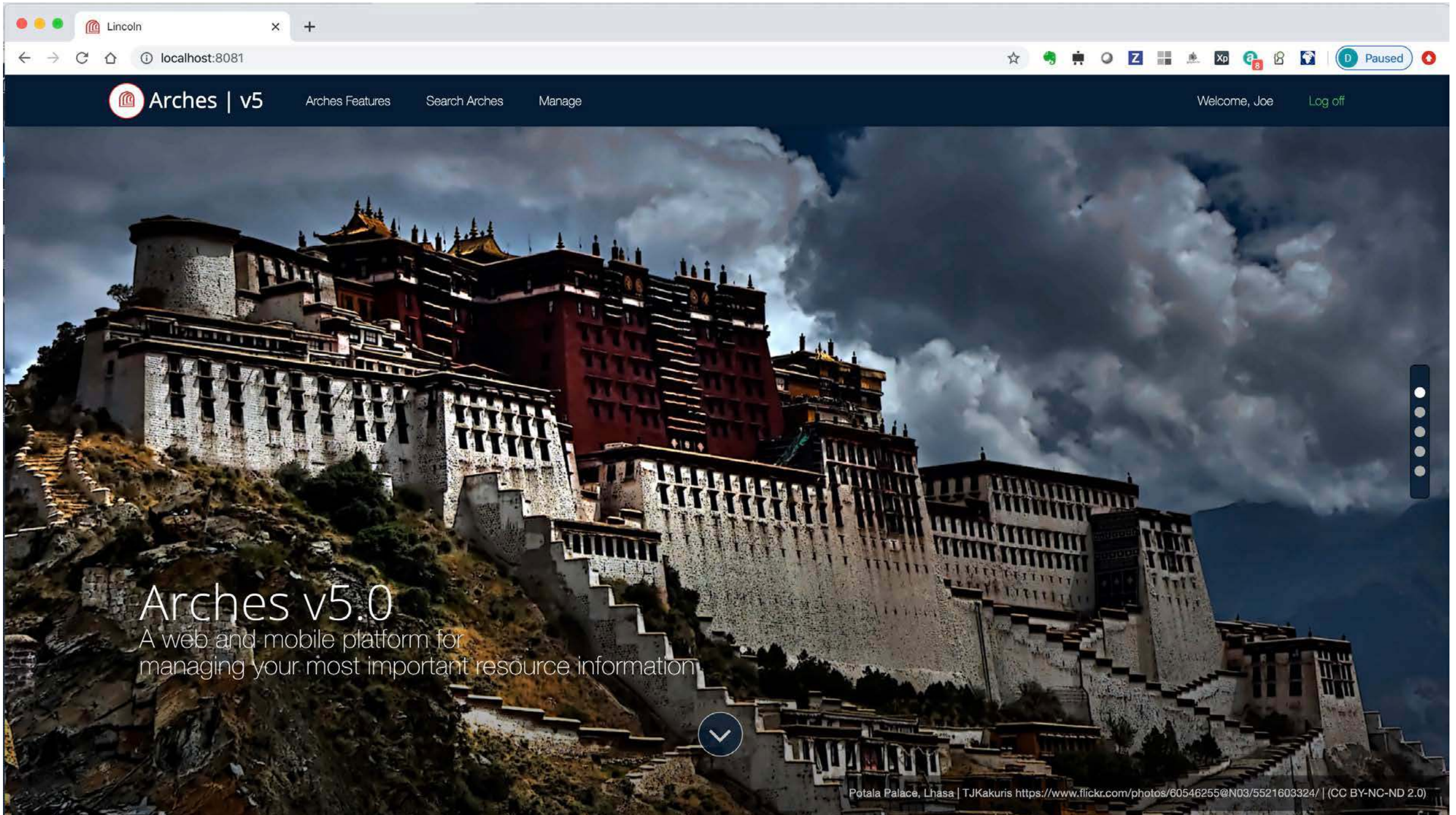
Arches?

What's new in v5

Moving from Arches v4 → v5

Questions





## 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- Provisional (unpublished) data; data review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



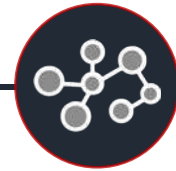
### Search

- 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

Consultations - Consultation x +

localhost:8000/arches-her/plugins/consultation-workflow

Consultation

Welcome, admin

Finish Quit

**Related Application Area**  
Consultation Workflow  
Step 1 of 8: Identify the Development Area for this Consultation

Find an address...

**57 Hoffman Way**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin risus. Praesent lectus. Vestibulum quam sapien, varius ut, blandit non, interdum in, ante. Vestibulum ante ipsum primis in faucibus orci luctus ...

Resource Model: Application\_Area  
ID: d2117551-e56f-4972-a99d-0d21a036a11

Relate Application Area Report Edit

**Related Application Areas**

Application Area \*

Add

Basemap  
Overlays  
Legend

# Workflows: Create New Resources Inline

Consultations - Consultation

localhost:8000/consultations/plugins/consultation-workflow?workflowid=plugins&steps=%5B%7B%22resourceid%22%3A%220ab71446-3ca7-11ea-87d3-...

Paused

Consultation

Welcome, admin

FinishQuit

Reference Numbers

Consultation Workflow

Step 5 of 8: Application Reference Numbers

References

Agency

Reference

Enter text

+ Add

Continue

Reference Numbers

No Reference Numbers added yet. Add one or multiple Reference Numbers.

# Plug-ins

Custom functionality and  
user interfaces

# Plug-ins: Project Example

Consultations

+ New

! Active Consultations

Find

Dashboards

Manage

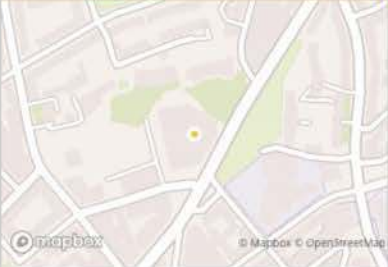
Help

About

Active Consultations

find... Search

Consultation for 291 DI Loreto Terrace on 12/12/2019



2020-01-31

Condition Application

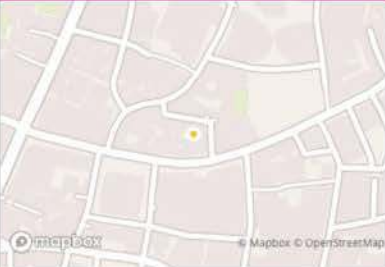
Target Date

Type

Proposal not entered

Laura O'Gorman

Consultation for 566 Clay St, London, 94111 on 12/15/2019



2020-01-24

Condition Application

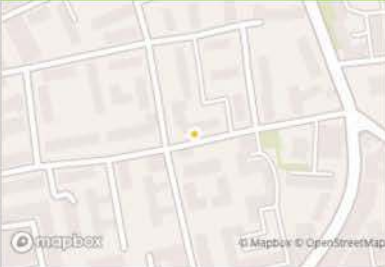
Target Date

Type

A new cons about renovating a portion of the historic building, and a full-scale replace of the remaining portion

Jeff Perry

Consultation for 66008 Sherman Point on 12/17/2019



2020-02-12

Condition Application


Target Date

Type

Re-purpose building for a new school

Laura O'Gorman

Consultation for 3 Nancy Avenue, 26471 Dapin Lane on 12/18/2019



2020-01-08

Condition Application


Target Date

Type

Renovatre buildings

Mark Sanderson

Consultation for 6 Schlimgen Place on 1/20/2020



2020-01-20

Condition Application


Target Date

Type

Renovatre buildings

Mark Sanderson

Consultation for 7 Hooker Place on 1/20/2020



2020-01-20

Condition Application


Target Date

Type

Renovatre buildings

Mark Sanderson

Consultation for 84004 Daystar Avenue on 1/20/2020



2020-01-20

Condition Application

Target Date

Type

Renovatre buildings

Mark Sanderson

Sort by...

Log Date: Newest to Oldest

Log Date: Oldest to Newest

Casework Officer: A to Z

Casework Officer: Z to A

Consultation Type: A to Z

Consultation Type: Z to A

Consultation Name: A to Z



# 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

...

Welcome, Joe

---

Find a resource...

QA Type ▾

Resource Type ▾

Results: 17649

**Watching Brief at Spring Hill**  
 Observation of groundworks involved with structural repair, including underpinning. No archaeological deposits were observed.  
  
[Edit](#) [Map](#) [Related Resources](#)

**Watching Brief at West Common**  
 Trench 1 of two. Renewal of the existing land drainage system allowed a 0.90m deep trench to be watched. Moderately compact grey sandy/clayey earth containing...  
  
[Edit](#) [Map](#) [Related Resources](#)

**Trial Trench at Greestone Stairs**  
 Area 1 of three. Trench 1. All archaeological deposits destroyed by later activity. Clay subsoil almost at ground level. Cellar walls and drains and of the Greestones were...  
  
[Edit](#) [Map](#) [Related Resources](#)

**Trial Trench at Hykeham Road**  
 Archaeological Evaluation in advance of a residential development. Eight trenches were investigated, Trenches 1-8. Evidence was revealed relating to Roman industrial use ...  
  
[Edit](#) [Map](#) [Related Resources](#)

**Excavation at Grey Friars Pathway/Free School Lane/Broadgate**  
 ...  
[Edit](#) [Map](#) [Related Resources](#)

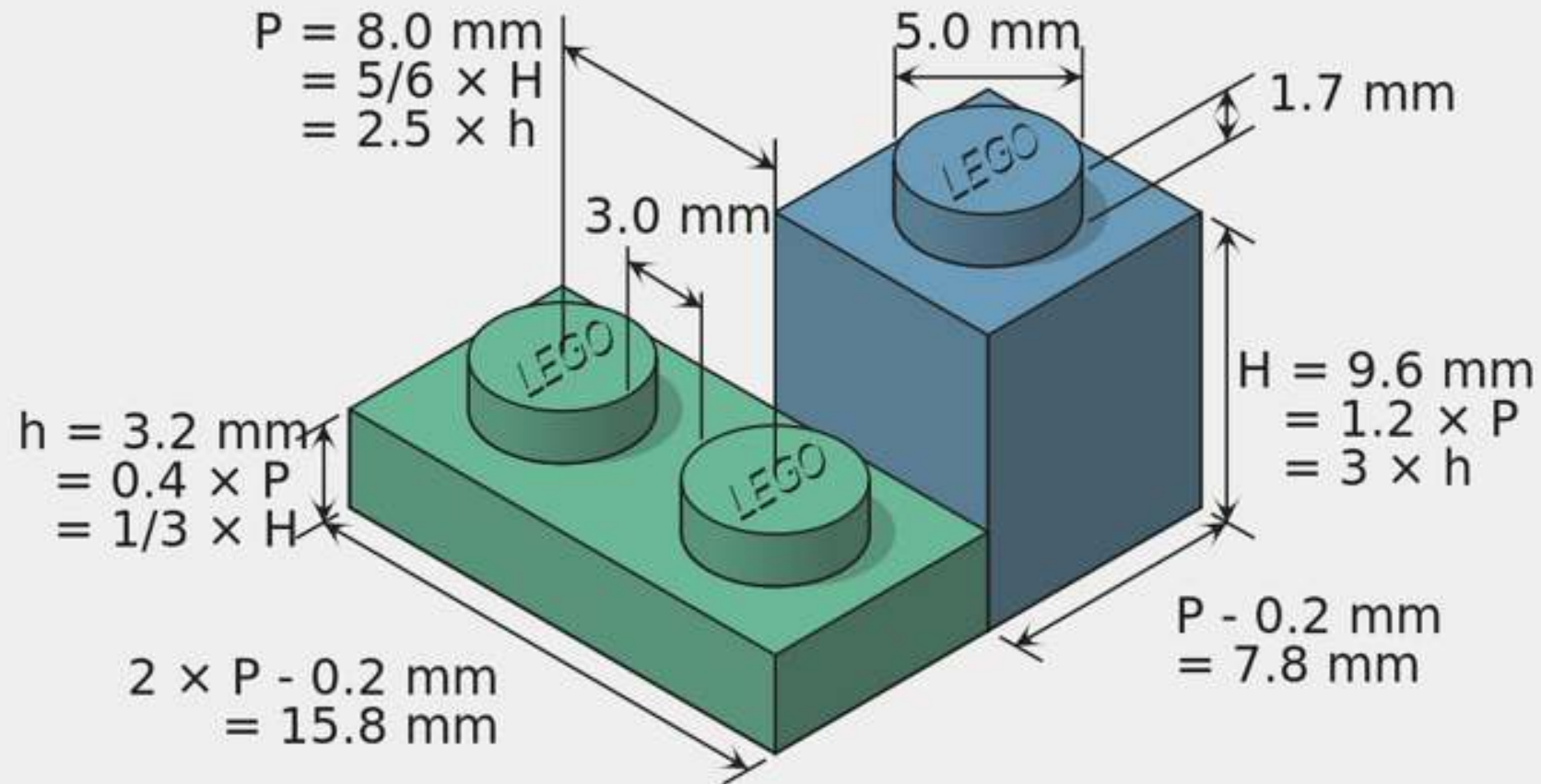
Map Filter
 Advanced
 Related

Find an address...

© Mapbox © OpenStreetMap Improve this map

Filter
  Basemap
  Overlays
  Legend

# **Workflows + Plug-ins + Task Manager + Notifications**





# Interoperability

FeatureServices (esri)

GeoJSON Services (QGIS)

Welcome, admin

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**  
 Consultation Status: **Pre-decision assessment/evaluation**

[Edit](#)
[Map](#)
[Related Resources](#)



Welcome, admin

GLHER\_Consultation

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**  
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Edit Map Related Resources

**Consultation for 2662 Old Shore Street**  
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 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**

Edit Map Related Resources

Map Filter
Advanced
Related

City of


Improve this map

Filter

Basemap

Overlays

Legend

# Technology Upgrades

**Python 2.7 → 3.7**

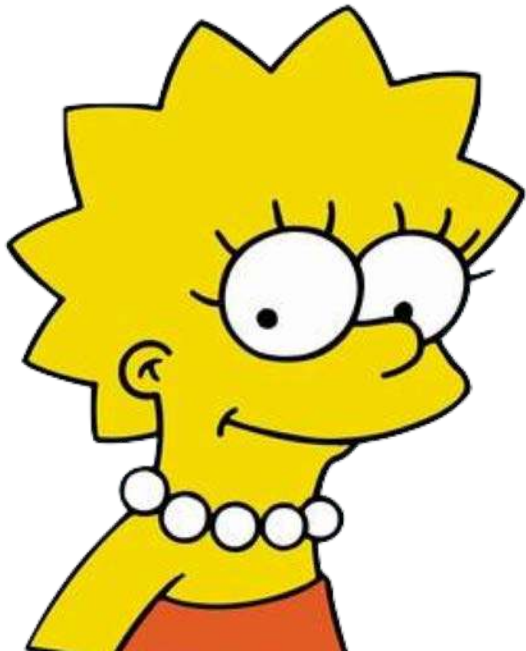
**Django 1.11 → 2.2.9**

**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



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# 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

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# - Thank you -

Share your feedback: [contact@archesproject.org](mailto:contact@archesproject.org)

Community Support - Arches Forum: [www.groups.google.com/archesproject](http://www.groups.google.com/archesproject)

Webinar repository – [www.archesproject.org/videos](http://www.archesproject.org/videos)

