From 5 to 500: Growing the LOJIC ArcGIS Online Organization

Presenter: Jane Poole
Contributors: Jane Poole and Jess Hamner
What is LOJIC?

Louisville and Jefferson County Information Consortium
The Catalyst
Louisville and Jefferson County Information Consortium

Birth of GIS in Louisville, KY
Old Louisville Sewer Explosion February 13, 1981
LOJIC Partners and Number of their Employees
Louisville and Jefferson County Information Consortium

- Metropolitan Sewer District - 620
- Property Valuation Administrator - 62
- Louisville Metro Government – 5,600
- Louisville Water Company - 400
Why use ArcGIS Online?
Why use ArcGIS Online?

• Share content easily across the consortium and with the public.

• Helpful in web application development, allowing more users to develop their own web applications without relying on LOJIC Web Development staff.

• Allows LOJIC to easily share our data through an Open Data portal.

• Enables LOJIC users that are using ArcGIS Desktop to view data in a more appropriate platform for their needs.
Why use ArcGIS Online?

- Through our 3 year ELA, it was cost effective!
Setting Up ArcGIS Online for Organization Account

- Defines Roles
  - Administrator
  - Agency Administrator
  - Agency Publisher
  - Agency User

- Define User Name Convention – FirstName.LastName_PartnerName
  Example: Levon.Hold_Metro

- Define Group Name Convention – Partner Name Department or Project
  - Metro Community Forestry
  - MSD Employee Tree Collection
Setting Up ArcGIS Online for Organization Account

• Authoritative Content
  - Special Administrative accounts for Publishing Apps, Data and Other documents

- Thumbnails for Content

- Icons and Logos for Groups
Setting Up ArcGIS Online for Organization Account

- Homepage
  - Internal or External
  - Galleries
Setting Up ArcGIS Online for Organization Account

- **Basemaps**
  - Group

- **Geocoder**
  - Utility Services
Migrating Existing Subscriptions
Migrating Existing Subscriptions

Process - Data, Map, then App
  Make sure URLs point to new site - data AND images or videos

Tools –
  • AGO Assistant  https://ago-assistant.esri.com/
  • Admin Tools for ArcGIS Online  https://apps.geopowered.com/admin-tools/basic/#
    - Update Web Maps Services URLs
    - Find and Replace Web Maps Services URLs
    - Update Items Content URL.
Managing Users
Managing Users

- Use consistent naming convention: Jane.Poole_LOJIC

- Credit allocation – standard new user gets 50 credits.
  - Prevents users from accidentally using a lot of organization credits.
  - GeoEnrichment / Analysis uses credit allocation, especially Geocoding.

- Usage reporting is not available to individual users.

- Data storage is taken from organization, not user.

- Business Analysis requires more credits to generate reports. BA users start with 250 credits.
Managing Users

• Batch User Import – User name changes from table entry.
• User name in a table (csv file).

• User Name in ArcGIS Online review of members to invite.
Managing Credits
Managing Credits

• Data storage vs. web services from ArcGIS Server.

• Premium services use credits and they are not apparent to most users
  - Desktop issue using ESRI geocoder

  - Desktop routing and credit consumption

• Not using ArcGIS for office but watch out for geocoding credit usage.
Growing Our User Base
Growing our user base

• Assess ArcGIS desktop users to find candidates to be converted to ArcGIS Online. Estimate is about 25%.

<table>
<thead>
<tr>
<th>Participant</th>
<th>Number of LOJIC Citrix or Direct Connect Oracle Users</th>
<th>Number of AGOL User</th>
</tr>
</thead>
<tbody>
<tr>
<td>Licensees</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>Metro</td>
<td>76</td>
<td>51</td>
</tr>
<tr>
<td>MSD</td>
<td>24</td>
<td>7</td>
</tr>
<tr>
<td>PVA</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>LWC</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>LOJIC</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>129</strong></td>
<td><strong>88</strong></td>
</tr>
</tbody>
</table>

• Develop decision process for new users
  - Rely on Agency Administrators for needs assessment, outreach and training.
  - Use ELA (Enterprise License Agreement) form to evaluate need, use and training. Approved by Agency Administrators.
  - Conserve user accounts for internal uses by using internal only ArcGIS Server services in maps/apps.

• Beef up architecture to mitigate credit usage by creating ArcGIS Server services to serve data especially for the Open Data portal.
Growing our User Base

Where are we now and how do we plan to grow.

Year 1 started in February 1, 2016
- All six ArcGIS subscribers have been migrated to the LOJIC ArcGIS Online for Organization account.
- Increased from 5 to 98 users.
- Used 6,055 of 62,500.

Year 2 started in February 1, 2017
- Published an open data portal using 34 hosted feature layers for larger data layers like addresses, streets, right of ways, etc. There are a total 88 data layers.
- Expand users from existing ArcGIS Desktop users and new users.
- Estimate using 25,000 to 30,000 of 62,500 credits.

Year 3 starting in February 1, 2018
- Expand to more new users.
- With enhanced infrastructure, move hosted feature layers to AGS services.
- Estimate using 40,000 to 50,000 of 62,500 credits.
Consider Open Data
Open Data
http://data.lojic.org
Open Data - [http://data.lojic.org](http://data.lojic.org)

As the staff of Minnesota MetroGIS Data Producers Working Group has defined, there are many benefits to making GIS data open and freely available.

- Transparency of government and improved public service;
- Better use of staff time and resources;
- Fostering entrepreneurship and open development;
- The authoritative data becomes the default ‘norm’;
- Pro-actively meeting demand for data;
- Indirect Benefits and “Thinking Beyond The Horizon”;
Open Data - [http://data.lojic.org](http://data.lojic.org)

Use ArcGIS Online to easily make your Open Data portal reliable and relevant. The data should:

- **Be from an authoritative source;**

- **Be kept up to date to remain as an authoritative source;** **Have a defined update schedule;**

- **Have metadata;**

- **Be provided in established formats defined by the Open Geospatial Standards;** ArcGIS Online does that automatically.
Questions?
Thank you for your time!

Jane Poole
Jane.poole@lojic.org
www.lojic.org

Jess Hamner
Jess.Hamner@lojic.org
www.lojic.org