

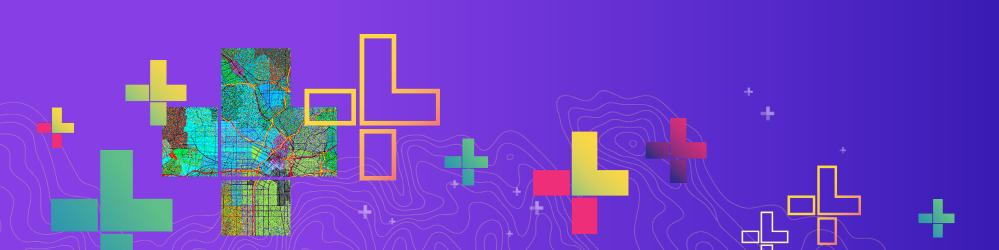
Effective Community Engagement

with ArcGIS Hub

Chase Gruber Senior Developer, ArcGIS Hub

Brian Rollison Senior Product Engineer, ArcGIS Hub

2020 ESRI DEVELOPER SUMMIT | Palm Springs, CA



Agenda

Intro to ArcGIS Hub

- ArcGIS Online vs. Enterprise Sites
- Patterns of Usage
- Customer Examples

Effective Engagement

- Defining the Problem
- Leveraging Known Patterns

Workshop

- Gathering Assets
- Implementing a Solution

Intro to ArcGIS Hub

Giving authority to your creativity

ArcGIS Hub is a cloud-based engagement platform that lets organizations work more effectively with their communities.

ArcGIS Hub is a cloud-based engagement platform that lets organizations work more effectively with their communities.

Define "engagement" to meet your needs, many customers use Hub as a centralized location to organize and showcase their own work

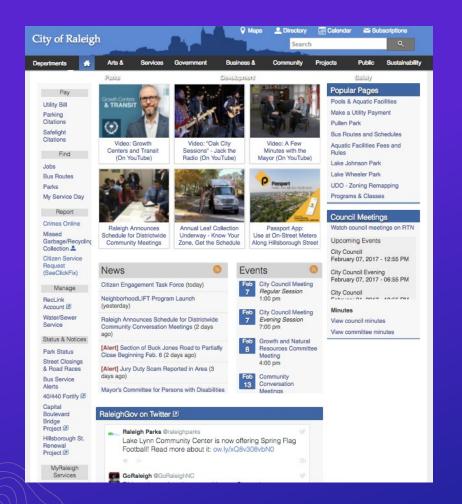
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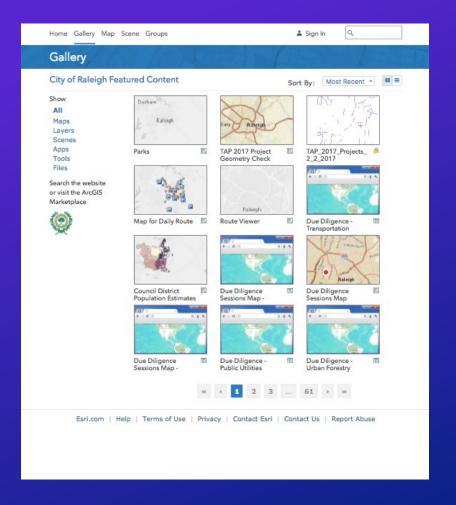
A "community" may be your internal team, your boss, an entire agency, or the general public...it can be an overloaded term, consider it your *audience*.



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ArcGIS Hub in Nutshell



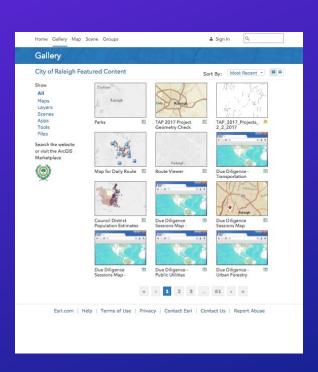


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ArcGIS Hub in Nutshell



...Bridges the Gap... < MOST EXTERNAL to MOST INTERNAL >



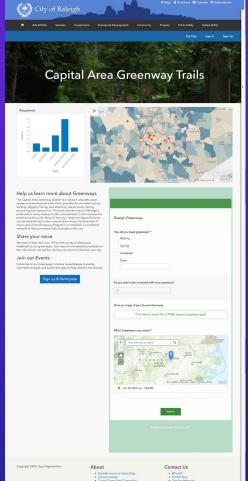
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ArcGIS Hub in Nutshell

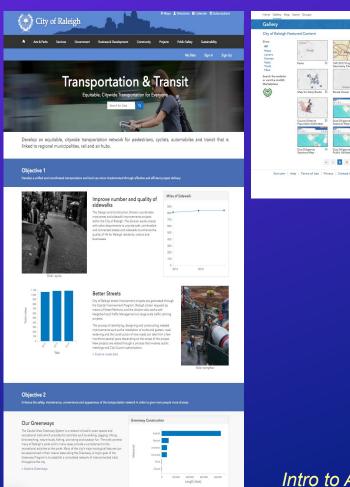
EDUCATE



COLLECT



SHARE



Intro to ArcGIS Hub

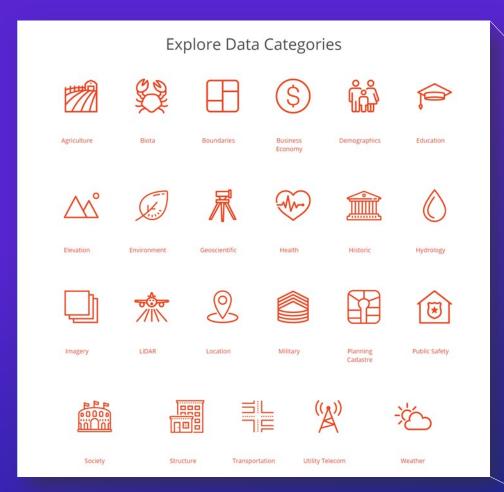
Common Patterns Across 4.5k Public Sites



Intro to ArcGIS Hub

Sharing Authoritative Data & Content

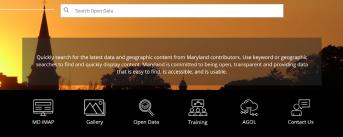
Data & Content Search



Public Data Catalogs



Maryland's GIS Data Catalog



Featured Interests

Search for data, maps, apps, and initiatives that are filtered by area of interest.



Explore Data Categories













































Educating Audiences on Specific Topics or Goals

How DC Manages Trees





when it comes to trees. Trees were considered so essential hat they were included as an integral part of Pierre rees. In this image from 1857, the existence of mature stre rees are seen prior to final construction of the Capitol

bove Union Station in 1992 an appreciation of the L'Enfan



ees has been reaffirmed several times over the intervenin whose installation of nearly 60,000 street trees in 1872.



Planning in Coral Gables



THE FLAGLER SECTION

One of Coral Gables' great trolley-served neighborhoods, bounded by SW 8th Street and



Historical Highlight

The Flagler Section was acquired by city-founder, George Merrick, and the Coral Gables Corporation between 1924 and 1925. The new development section was considered one of the most advanced steps Coral Gables had taken. Merrick named the neighborhood area Flagler Street Section because it extended new development north to Flagler Street and expanded the Miami trolley service west on Flagler Street to the planned but never constructed, entrance at Flagler and Ponce de Leon Boulevard to continue south to Coral Way. The acquisition greatly facilitated the trolley system, locating the trolley tracts where the median on Ponce de Leon Boulevard exists today. The Flagler Section originally restricted the lots fronting on Ponce de Leon Boulevard to multi-family residences. In December of 1939, the Coral Gables City

Commission changed the zoning to allow the construction of single-family residences. Some distinctive multifamily buildings were built in the mid 1920's: however, the neighborhood



What to Expect

The Flagler Section is one of Coral Gables' great neighborhoods. The community is a unique, walkable, and the commercial corridors of SW 8th Street, Douglas Road, and Flagler Street. The Community Vision

Workshop kicked-off with a Walking Tour to give residents the opportunity to share with the design team what they love about their community and what can continue to be improved in the neighborhood. The workshop

continued with a Hands-On Session so that the members of the community can bring their ideas - big and small - to share with the design team, City staff, and their neighbors of how to make the Flagler Section an even better

neighborhood for everyone. The public is encouraged to bring the whole family to help plan for the future of this unique ommunity. All events will be presented in partnership with Dover, Kohl &



Who Should Participate

Everyone. Participating in the workshop will give you a chance to express your vision for the future of your community. Tell us what you love best about the Flagler Section neighborhood, and help us guide the evolution of the neighborhood. In the weeks that follow the Community Vision Workshop, the design team will use the ideas gathered to create scenarios for the neiahborhood. Following the design work, a Work-in-Progress presentation to the neighborhood is scheduled for Monday, May 13, 2019 to invite residents to review the resulting

designs.

Ireland's SDG



progress towards the goals and sharing

Ireland's progress against each goal is measured using a set of United Nations (UN) and indicators.

From this home page, you can access information on specific goals, view our video and sign up to receive updates.



Integral to the Sustainable Development Agenda are 17 SDGs covering everything from poverty and climate change to infrastructure development and industry, Ireland has published a Sustainable Development Goals National Implementation Plan 2018-2020 to provide a whole-of-government approach to implementing these goals.









Explore the Sustainable Development Goals

Click on a card below to access progress reports and indicator data relating to a particular goal.









Fastest growing use-case













- Fastest growing use-case
- Directly embedded Survey123 within Hub to collect data requests



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Developer Start

Feedback

landbook



Suggest a Dataset

DC is a complex urban and political landscape. We think we do a pretty good job of capturing information about it through our data and services. However we know it's not all here. Our teams across DC government agencies are working together to add new data sets, keep data current and troubleshoot any problems. All with the intent to improve your experience.



Use this short form to ask us a question if you are not finding what you need here.

Ask about data you found, or identifiable information in this	request something not found. Please, no contact or personally box.	
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You've Got Other Questions

I've submitted my question now what can I expect?

We like to respond to every request. However we may need to reach out to other data curators at District agencies. There are several datasets in the catalog and we will help you find the right details. If it is not immediately available, the team will give you some guidance and work to publish the layer. Submitting a FOIA request directly to a DC government agency is another avenue. Go to foia.dc.gov for complete details.

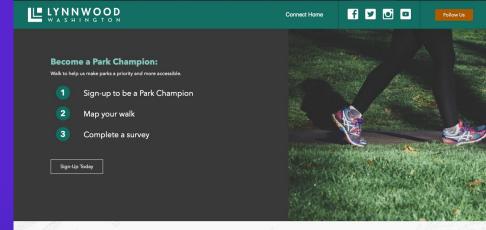
Why can't I get the data if the new data policy says, "open by default?"

Because inappropriate disclosure of personal information and misuse of data for activities such as identity theft are significant concerns, the District's data must also be managed and responsibly protected. DC government uses dataset classificant levels to protect the safety, privacy, and security of residents, workforce members, clients, partners, stakeholders, visitors, and others. For more information, please reference the Data Policy

What will you do with my email address?

Open Data DC will only use your email to correspond with you. The team works with several data originators across DC government; we may ask your permission to forward your contact to another agency.

- Fastest growing use-case
- Directly embedded Survey123 within Hub to collect data requests
- Leveraging maps and Survey123 to collect insights and feedback from park volunteers



Find a Park Near You

Explore the map below to find a park within a 10 minute walk of your home.





Parks are an essential ingredient to our community.

Join us at a park event near you to learn more about being a park champion

Learn more at HealthyLynnwood.com







- Fastest growing use-case
- Directly embedded Survey123 within Hub to collect data requests
- Leveraging maps and Survey123 to collect insights and feedback from park volunteers
- Using WAB & Survey123 to collect missing children tips and bring attention to open cases







View our Active Cases

Click on the child's name or photo in these story maps to submit a tip.





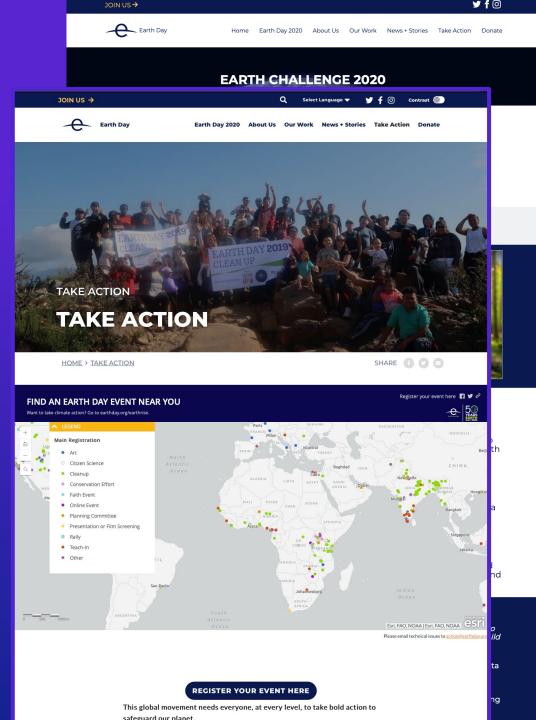




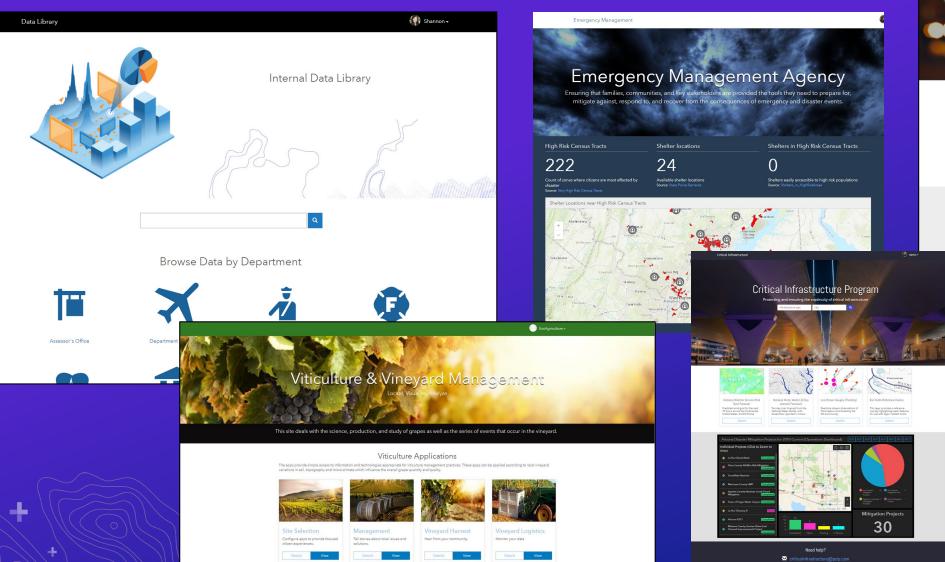


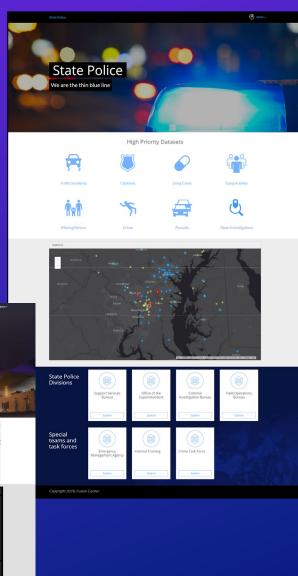
Collaborating with Trusted Audiences

- Where we see future growth
- May leverage Premium tools...
 - Community Identity
 - Supporting Teams
 - Followers
 - Events
- Starts a two-way feedback loop



Reminder Audiences May Be Internal ONLY





Intro to ArcGIS Hub

More Examples & Workshop Site

tinyurl.com/hub2020workshop



If you're interested in learning more about Sites + Pages...

Getting Started with Hub Sites and Enterprise Sites

Integrating existing custom branding, site/page design, and more technical tips and tricks!

Deep-Customization of Hub Sites and Enterprise Sites

Comprehensive exploration of all site/page design tools supplied out-of-the-box in Hub and Sites, plus some more advanced design workflows to consider.

ArcGIS Enterprise: Designing Sites and Pages

Enterprise Sites specific walkthrough highlighting site/page design, content management, and stakeholder engagement.

Effective Engagement

Leveraging the Engagement Funnel

Generally, engagement can be broken down as...

- 1. Creating Opportunities to Engage (i.e. feedback applications)
- 2. Identifying & Distributing to Target Audiences (list-serv, social media, etc.)
- 3. Analyzing Engagement Responses
- 4. Showcasing Results
- 5. Understanding Engagement Efficacy

Generally, engagement can be broken down as...

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This flow is often linear, with no optimization when creating/resharing opportunities.

Unfortunately, most people fall into the 30/60 trap...

30% Creating Opportunities to Engage 60% Analyzing Engagement Responses

This means very little time/effort is allocated to...

30% Creating Opportunities to Engage (i.e. feedback applications)

5% Identifying & Distributing to Target Audiences (list-serv, social media, etc.)

60% Analyzing Engagement Responses

5% Showcasing Results

0% Understanding Engagement Efficacy

Most organizations looking to engage have limited understanding around the efficacy of their effort.

What would an ideal allocation look like...?

30% 15% Creating Opportunities to Engage (i.e. feedback applications)

5% 20% Identifying & Distributing to Target Audiences (list-serv, social media, etc.)

60% 40% Analyzing Engagement Responses

5% 10% Showcasing Results

0% 15% Understanding Engagement Efficacy

Maybe something like this, but major takeaways are...

Directionally, this way...

LESS Creating Opportunities to Engage (i.e. feedback applications)

MORE Identifying & Distributing to Target Audiences (list-serv, social media, etc.)

LESS Analyzing Engagement Responses

SAME Showcasing Results

MORE Understanding Engagement Efficacy

Plus...

You should iterate over these steps to optimize your efficacy...

Creating Opportunities to Engage (i.e. feedback applications)

Identifying & Distributing to Target Audiences (list-serv, social media, etc.)

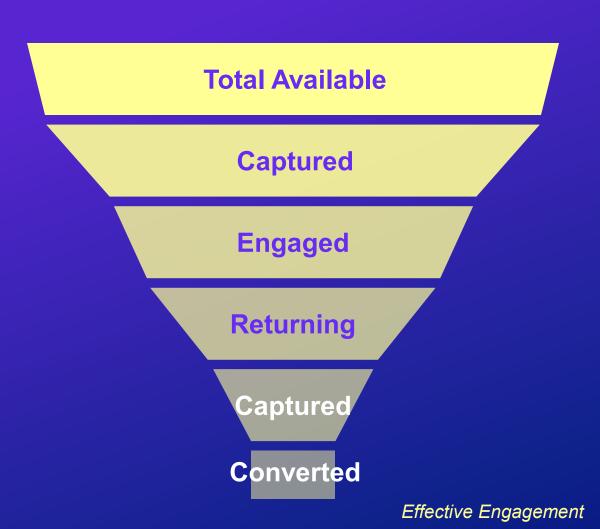
Analyzing Engagement Responses

Showcasing Results

Understanding Engagement Efficacy

Along the way, we need to consider our engagement funnel...

- Movement down the funnel
- Methods to measure progress
- Insights informing next steps



Demographic of Interest Total Available Site Traffic Captured Clicks/Session **Engaged E-Commerce Example Repeat Viewer** Returning **Become Subscriber** Captured **Purchase** Converted Effective Engagement

Session Workshop

Creating, Deploying, and Monitoring an Engagement Funnel

What does this mean in ArcGIS Hub?

SCENARIO:

We've been charged with driving sign-ups/follows for a particular Hub Initiative. The communications department is targeting audiences interested in 3 general topics of the Initiative. We must use ArcGIS assets, but can leverage our own implementation to elicit maximum success.

What does this mean in ArcGIS Hub?

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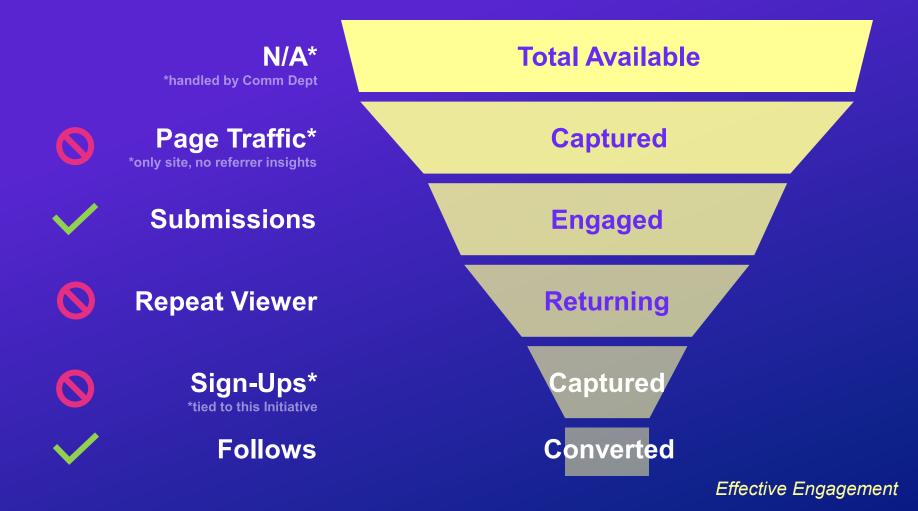
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- What is our targeted user flow?
- What do we get out-of-the-box?
- What assets do we need to create?
- What do we need to code?

What is our targeted user flow?

- 1. User clicks to view Hub Page
- 2. Hub Page has Survey123 App embedded
- 3. User submits response to survey on Hub Page
- 4. User gets follow-on thank you email with link to expressed interest
- 5. User opens interest Hub Page from email
- 6. User signs-in/-up to ArcGIS Hub
- 7. User selects to follow Hub Initiative

What do we get out-of-the-box?



4

What assets do we need to create?

- 1. New Initiative Site
- 2. Supply own Google Analytics Key
 - GA Keys are free for anyone with a Gmail
 - Simply copy/paste into Site's Settings
- 3. Survey123 Application
- 4. Hub Page with embedded survey
- 5. 3 "interest" conversion Hub Pages
- 6. Email Templates

Mapping out the missing pieces...

Scan to View Missing Pieces



Session Workshop

Creating, Deploying, and Monitoring an Engagement Funnel

Follow along...

devsummit-2020-dcdev.hub.arcgis.com

Click "Workshop Repo" link in header

What is our targeted user flow?

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What do we want to measure?

- 1. Page Traffic for our initiative
- 2. Count of surveys submitted
- 3. Count of follow-up emails sent
- 4. Count of follow-up emails opened
- 5. Page Traffic generated by follow-up emails
- 6. Count of initiative follows resulting from email referrals

What can we measure?

- 1. Page Traffic for our initiative
- 3. Count of follow-up emails sent
- 4. Count of follow-up emails opened
- 5. Page Traffic generated by follow-up emails 🚫
- 6. Count of initiative follows resulting from email referrals

Survey123 Webhook

Front door to completing the engagement funnel

Webhooks allow external services to be notified when certain events happen within your survey. For example, when a new record is submitted to your survey, a webhook can trigger an email notification through a mail server.

Configurable payload provides

- User & portal info
- Response
- Survey item & server response

Cloud function

Capture missing measures

- 1. Page Traffic for our initiative
- 2. Count of surveys submitted
- 3. Count of follow-up emails sent
- 4. Count of follow-up emails opened
- 5. Page Traffic generated by follow-up emails
- 6. Count of initiative follows resulting from email referrals

Cloud function

- Receive webhook requests and parse payload
- Template email based on user info and survey response
- Send email with tracking pixel and trackable link
- * Log telemetry events to same analytic store

- 1. Deploy cloud function
- 2. Configure webhook
- 3. Collect data
- 4. Monitor results

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Thank you!

GeoNet - community.esri.com

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