




Building a Hub for your organization

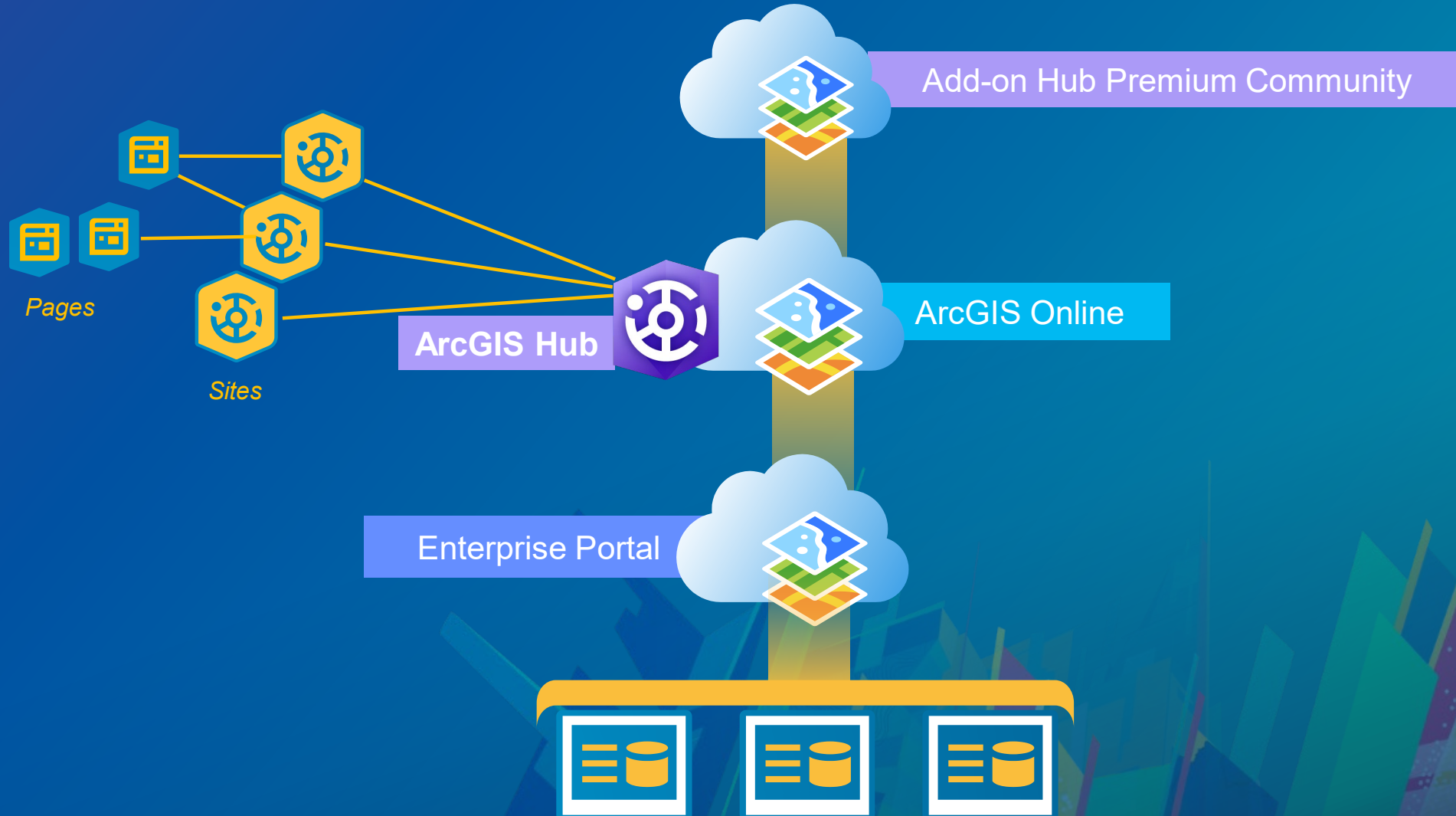
Graham Hudgins, Product Engineer, Hub & Enterprise Sites

2019 ESRI DEVELOPER SUMMIT
Palm Springs, CA

ArcGIS Hub is an **easy-to-configure cloud platform** for organizations **to collaborate with their communities** to accomplish information-driven projects



What is ArcGIS Hub

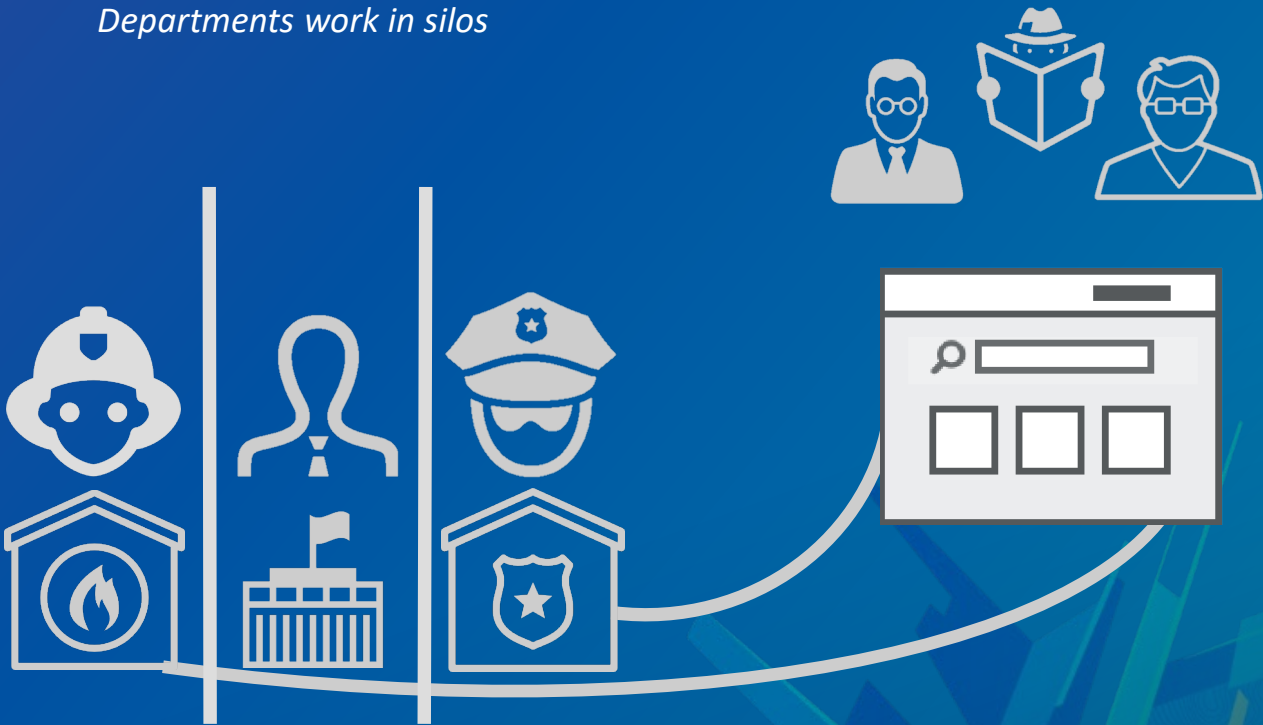


Why work with your external community

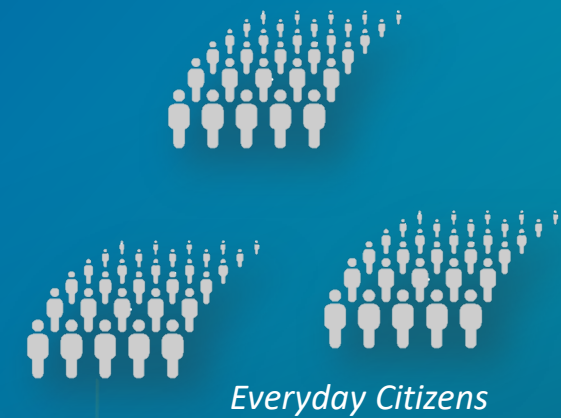


*Sharing data empowers your
non-GIS colleagues, commercial
developers, journalists, expert
citizens*

Departments work in silos



*The chasm: How do you reach
the rest of your community?*



Time

Sharing data empowers your non-GIS colleagues, commercial developers, journalists, expert citizens

Departments work in silos



Launch projects that engage with groups of citizens on community issues

The chasm: How do you reach the rest of your community?



Time

External-facing work improves internal operations





Hub overview demo



Setup: the extremely fast version

Setting up Hub in ArcGIS Online

You'll need an administrator (and that's it!)

- 1. Enable Open Data in your organization settings**
- 2. Create a role in your organization that is a Publisher plus...**
 1. Make groups available to Open Data
 2. Create [group] with update capabilities
 3. Manage Open Data site(s)
- 3. Assign non-admin members of your org to the Role you just made**
- 4. Visit the Hub Admin application using the app launcher**
- 5. In the Hub Admin application, add members of your organization to the Team tab**

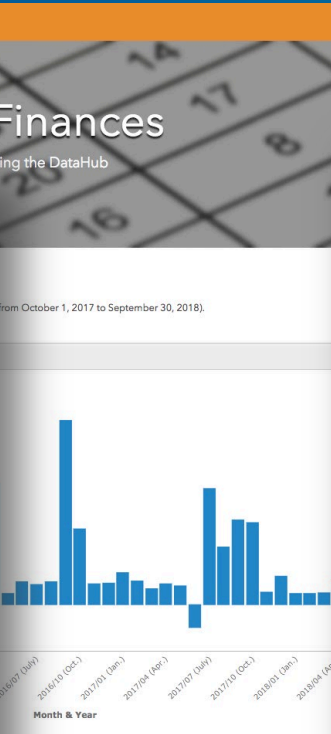
Start small: plan and deliver your first Site

- **Internal / private use cases:**
 - Department Sites – replace group content lists with more contextual Sites for your users
 - Internal GIS Hub for non-GIS users
 - Data clearinghouse
- **External / public use cases**
 - Public open data site
 - Project / Initiative site

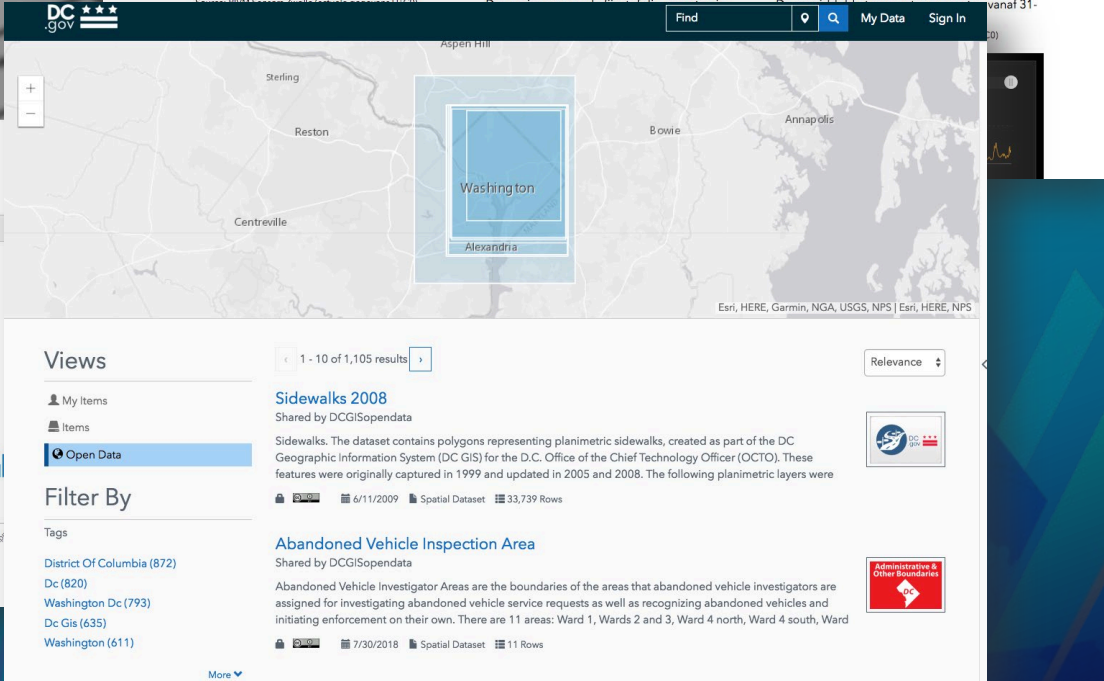
No obvious first site?

**Get started by building a site
for your public
(or external stakeholder) data**

External examples





Werkende sensoren (online)	Maximum waarde PM10	Gemiddelde temperatuur
4	82.25	23.41



Internal Examples

Data Library Shannon

Internal Data Library



Browse Data by Department

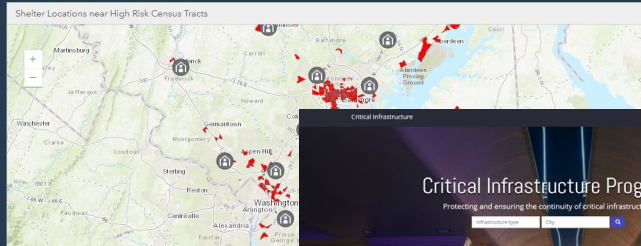
- Assessor's Office
- Department

Emergency Management

Emergency Management Agency

Ensuring that families, communities, and key stakeholders are provided the tools they need to prepare for, mitigate against, respond to, and recover from the consequences of emergency and disaster events.

High Risk Census Tracts	Shelter locations	Shelters in High Risk Census Tracts
222	24	0
Count of zones where citizens are most effected by disaster Source: Very High Risk Census Tracts	Available shelter locations Source: State Police Barracks	Shelters easily accessible to high risk populations Source: Shelters_HighRiskAreas

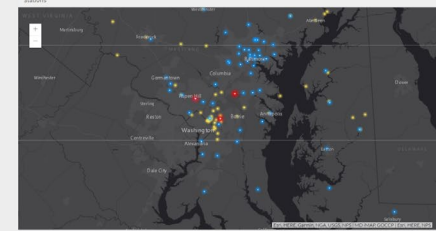


State Police

We are the thin blue line

High Priority Datasets

- Traffic Incidents
- Citations
- Drug Cases
- Gang Activity
- Missing Person
- Crime
- Pursuits
- Open Investigations



State Police Divisions

- Support Services Bureau
- Office of the Superintendent
- Criminal Investigation Bureau
- Field Operations Bureau

Special teams and task forces

- Emergency Management Agency
- Internal Training
- Crime Task Force

Copyright 2018, Fusion Center.

East Agriculture

Viticulture & Vineyard Management

Locate, Visualize, Analyze

This site deals with the science, production, and study of grapes as well as the series of events that occur in the vineyard.

Viticulture Applications

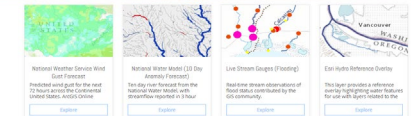
The apps provide simple access to information and technologies appropriate for viticulture management practices. These apps can be applied according to local vineyard variations in soil, topography and micro-climate which influence the overall grape quantity and quality.

- Site Selection
- Management
- Vineyard Harvest
- Vineyard Logistics

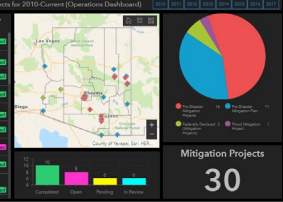
Critical Infrastructure

Critical Infrastructure Program

Protecting and ensuring the continuity of critical infrastructure



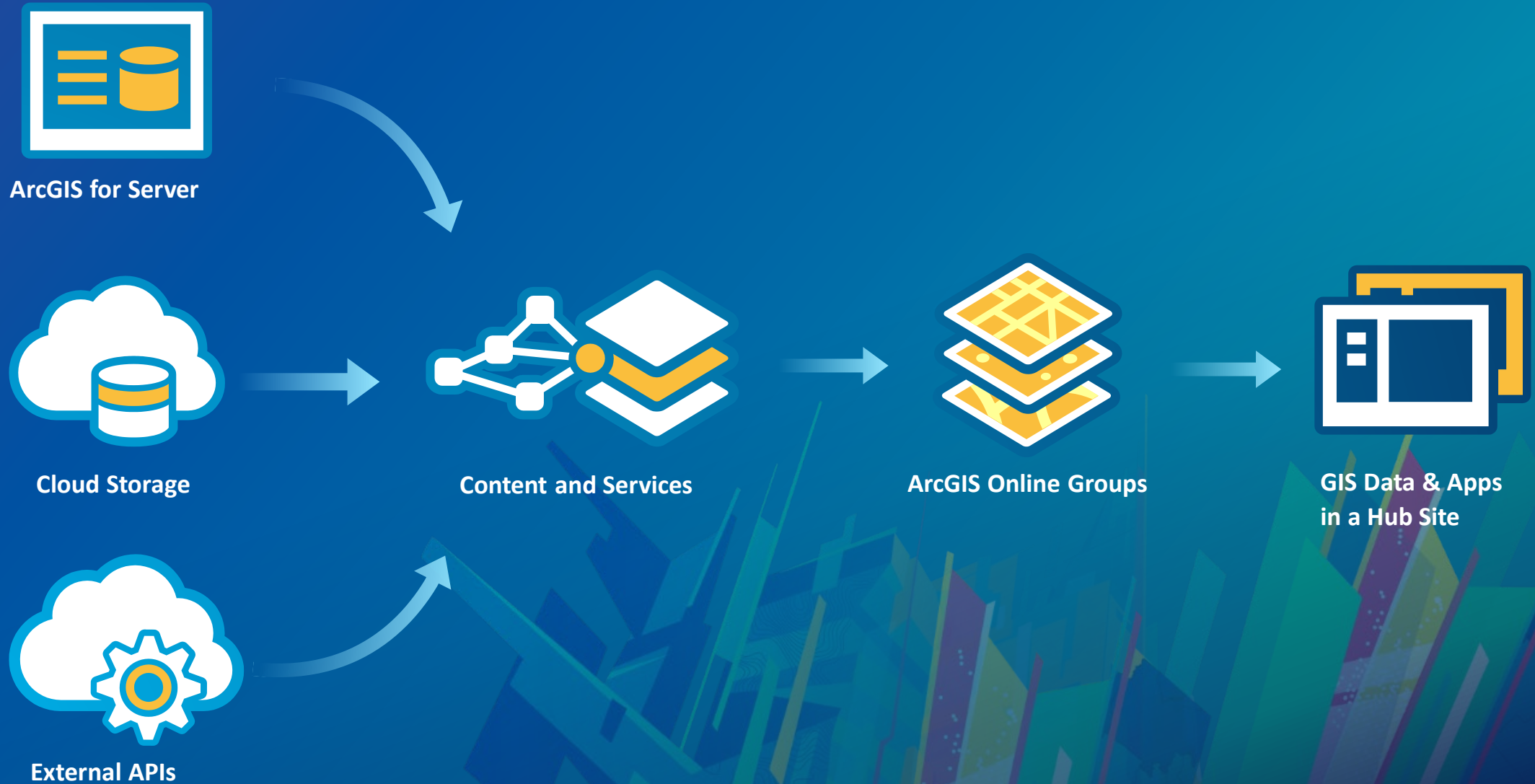
Alabama Disaster Mitigation Projects for 2019 Current (Operations Dashboard)



Mitigation Projects: 30

Need help?
criticalinfrastructure@pcp.com

Getting started by using familiar workflows

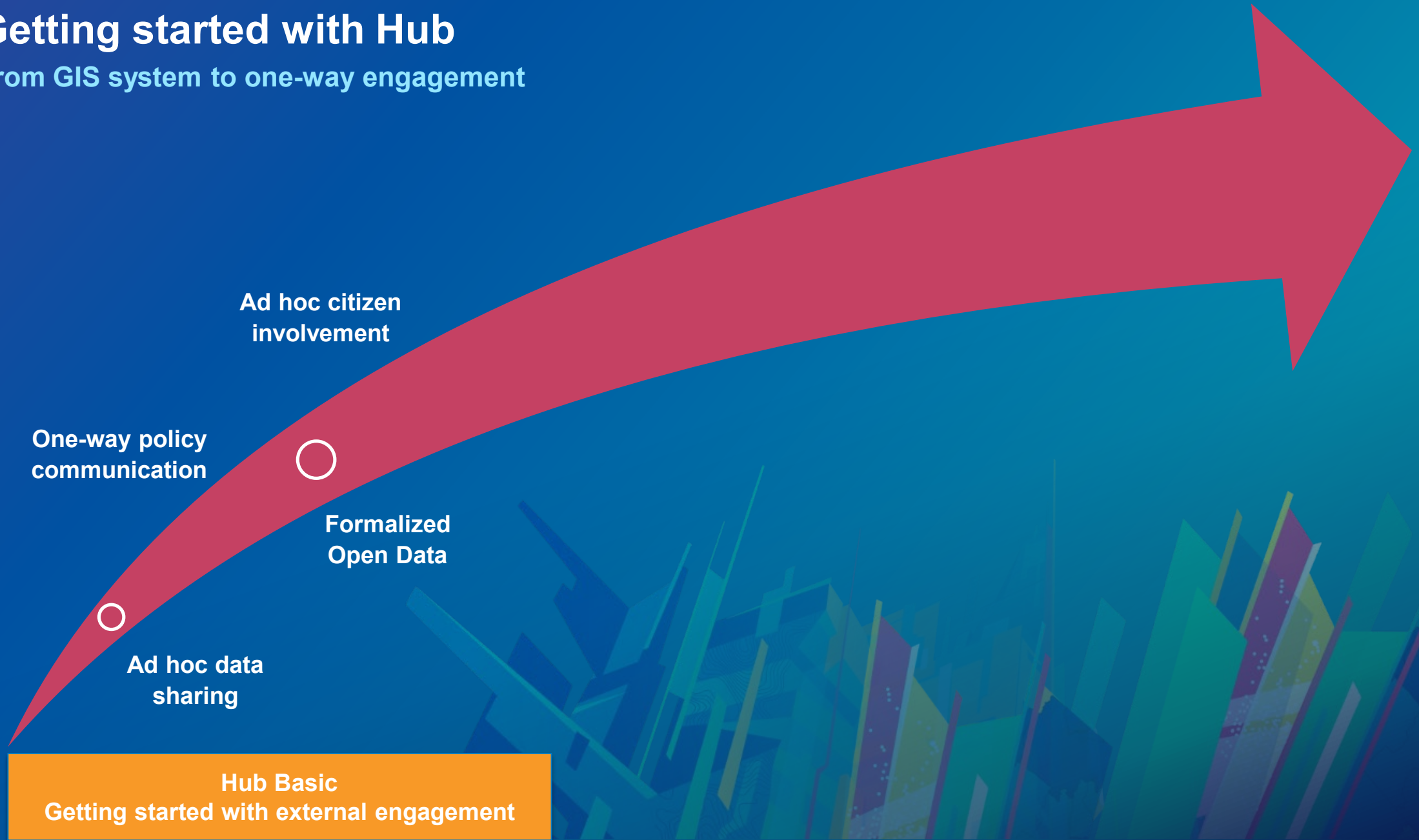




Demo: building the first site in your Hub

Getting started with Hub

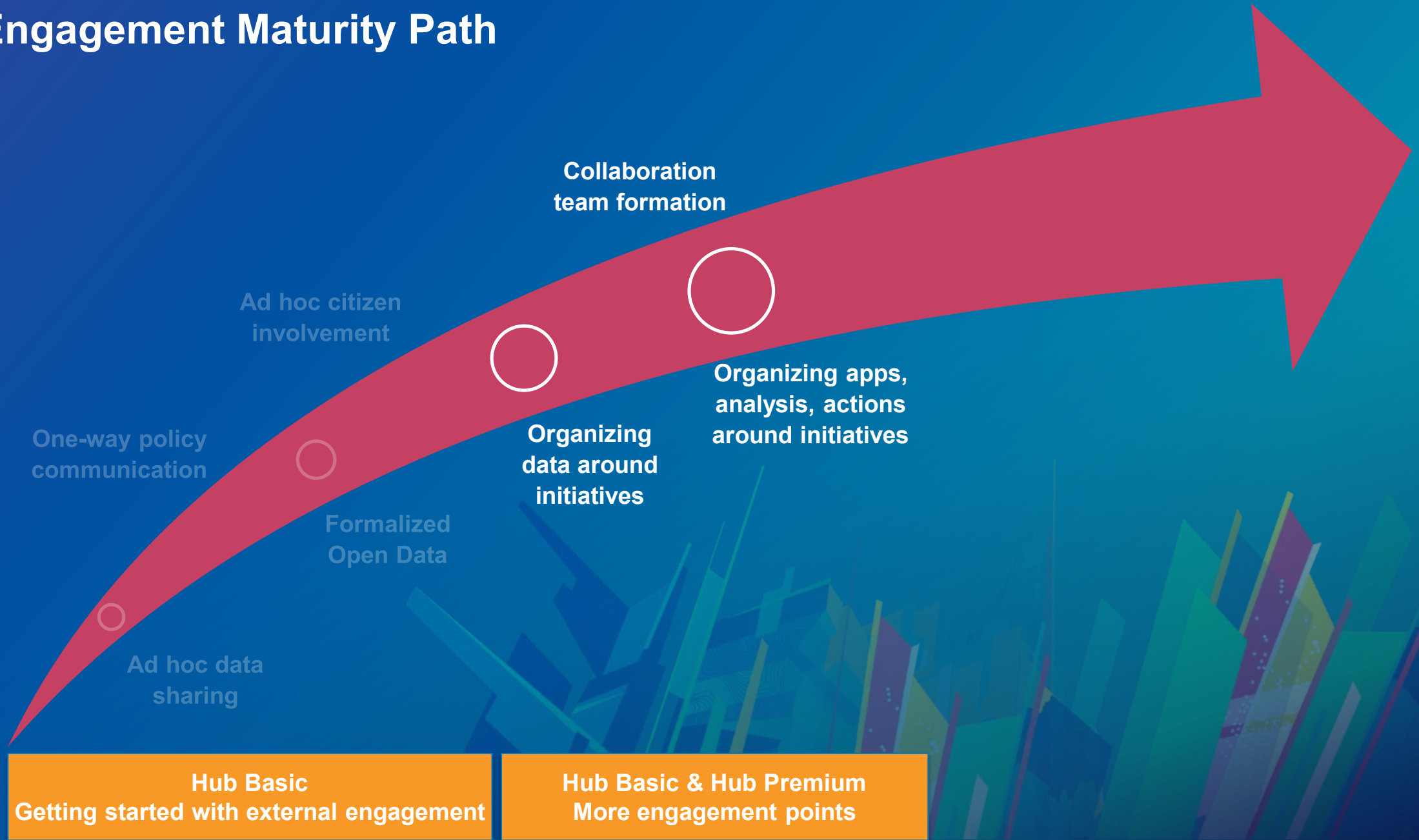
From GIS system to one-way engagement



A full-page background image showing two divers in silhouette against a bright, sunlit underwater scene. The divers are positioned in the center-right, facing away from the viewer towards the light source. The water is a deep blue, and the light creates a strong lens flare effect. The word "Planning" is overlaid in white text on the left side.

Planning

Engagement Maturity Path



Planning: Site Map

The background of the slide is a solid blue gradient. On the right side, there is a large, abstract, diagonal graphic element. It consists of multiple overlapping, semi-transparent geometric shapes in various colors including teal, yellow, pink, and light blue. These shapes are arranged in a way that suggests a map or a series of data layers. In the bottom right corner, a small, faint outline of a map is visible, showing landmasses and water bodies. The overall aesthetic is modern and technical.

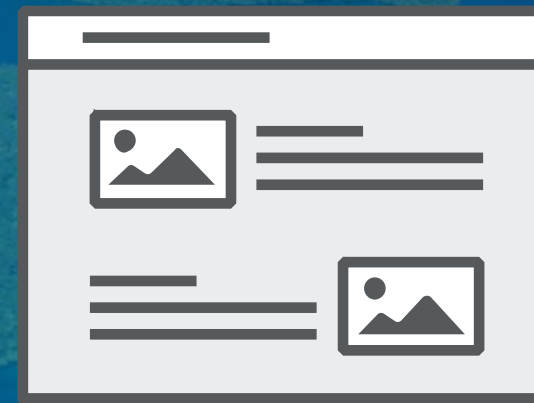




Make a site map and multi-site strategy

- **Public sites – how will this site fit into your existing organization site? Will it?**
 - **A cautionary tale: in your success you will likely have to confront this question even if you don't up front**
 - **Matching header systems is a good idea (even if it is branding)**
- **Do you need a root site?**

Sites are purpose-built for each application with different requirements



Using the portal home app as your jumping off site



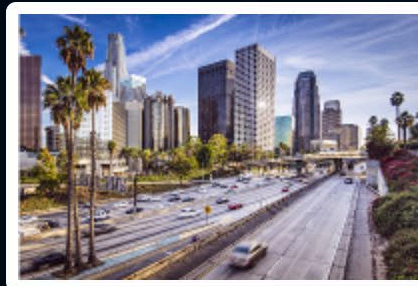
ArcGIS



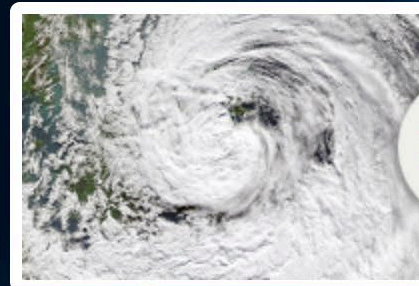
Crime Control Strategies



Fire & Emergency Services



Capital Projects



Hurricane Season



Demonstration
Gallery



Template
Gallery



Information
& Training

Using the same header system on each site + portal home app root site



Using a site as the root site



Public Safety

Education

Environment

The District is using a combination of regulations, outreach, education, and incentive services to fulfill our mission. We work with residents, businesses, and institutions to promote environmentally responsible behavior leading to a more sustainable urban environment. We invite you to browse the data below, jump into government apps, create your own and share in our progress by engaging in some of our green programs.

Mayor

"When people remember the relentless single DC

Read More
Bowser

We come
gov
prog

Eco

The

ABOUT

Press Releases

influence society and thrive
gorous and joyful learning
mp into government apps,

18

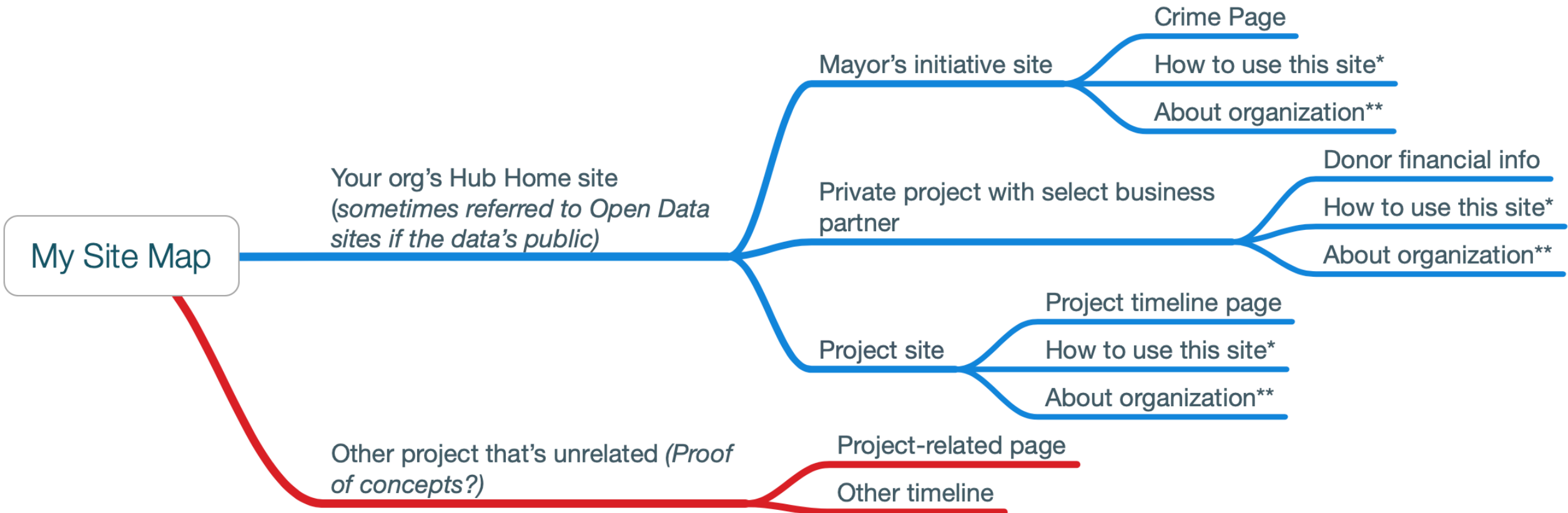
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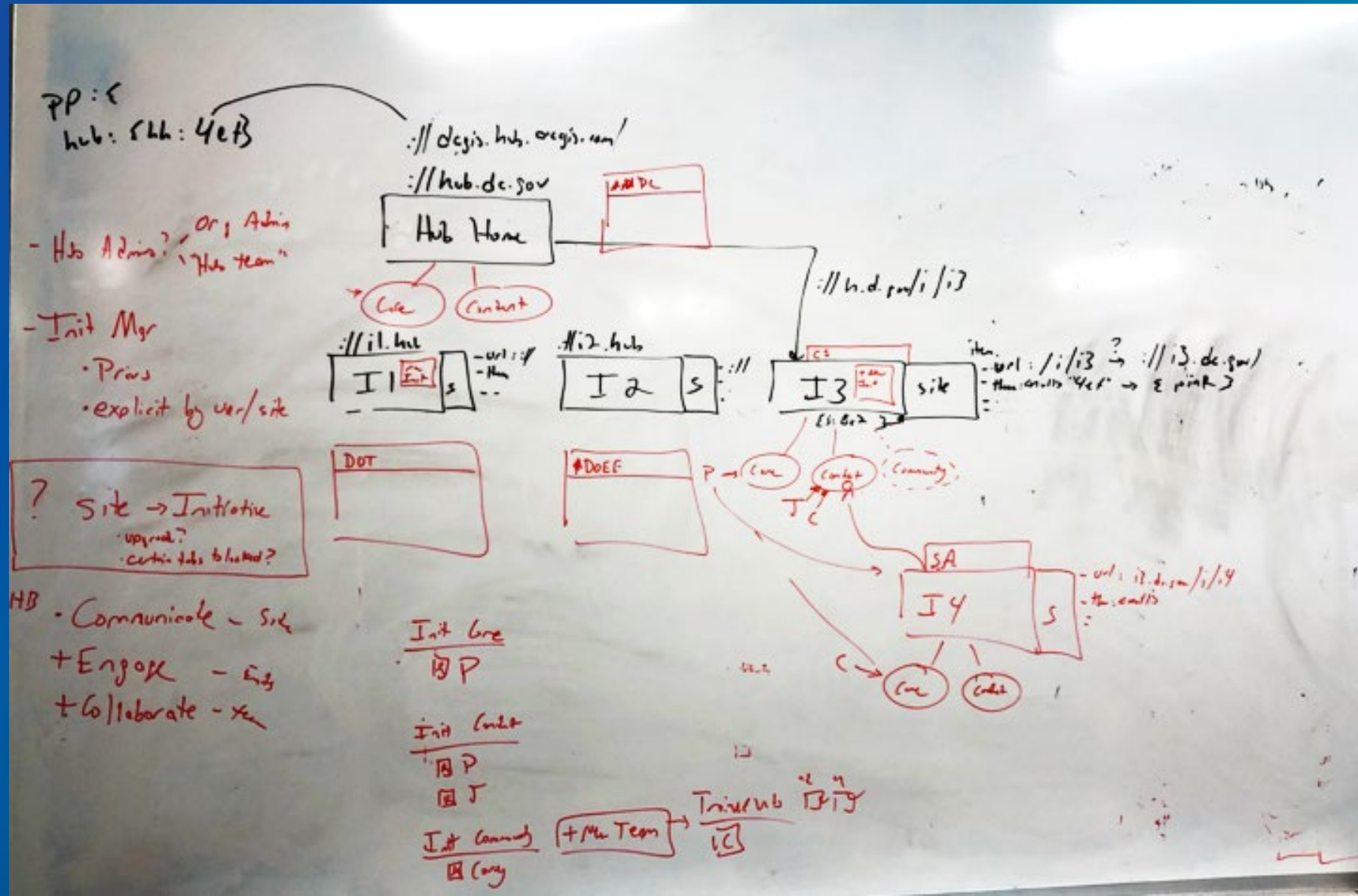
Don't forget, every site has a level underneath - pages



How to make a site map



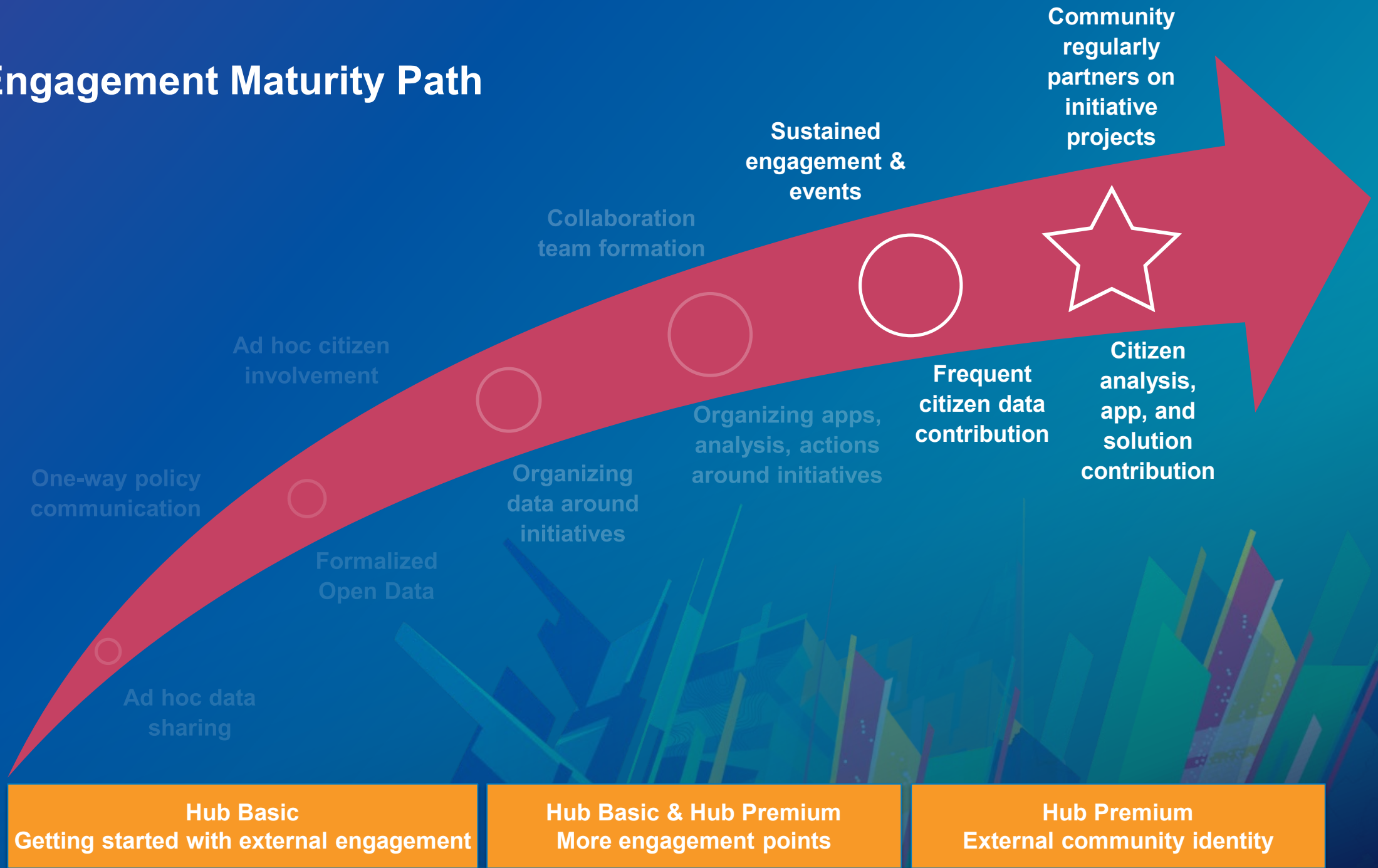
Example site map planning






**Do it live! Build a project-y
site with calls to action**

Engagement Maturity Path



Hub Basic vs. Hub Premium

- Launch events for your initiatives
 - Convert the anonymous public into named creator user types who can help achieve your goals and extend the “boots on the ground” with ArcGIS capabilities
 - Extend community users to your external business partners to get them integrated with your existing ArcGIS workflows
- 

Hub Premium adds additional Online architecture

"Employee" Org Account

- Initiative data, apps and sites are created and hosted here.
- The Community Online Org is administered here.

Created
during Hub
activation

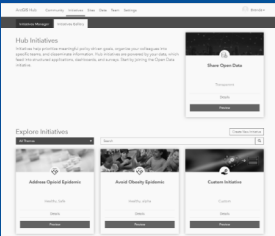
Managed
Here

Association
made

Community Org Account

- Primary function is to contain the community member identities

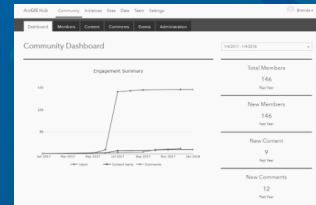
Hub Administration



Initiative Creation



Community Monitoring & Mgmt.



Community Member Identities



Engagement is Identity-Enabled

Follow

Register

Sign In

Connected

Employee Online Org

Community Online Org



**Do it live! Making your Sites
more engaging**



esri

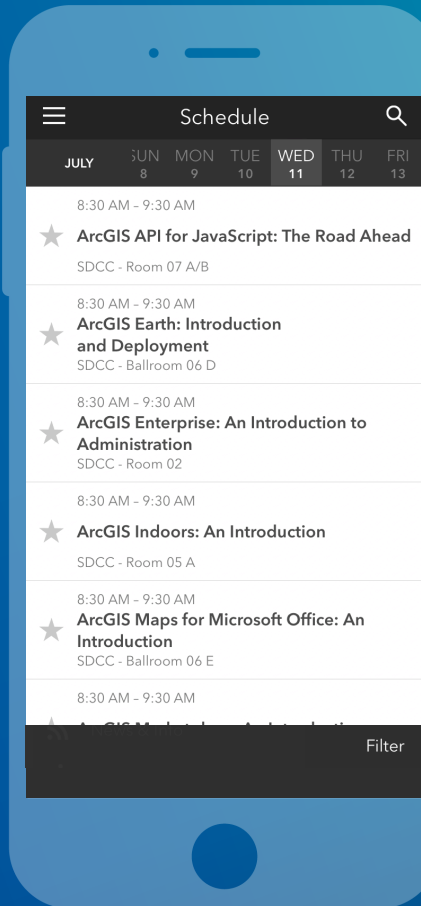
THE
SCIENCE
OF
WHERE

Please Take Our Survey on the App

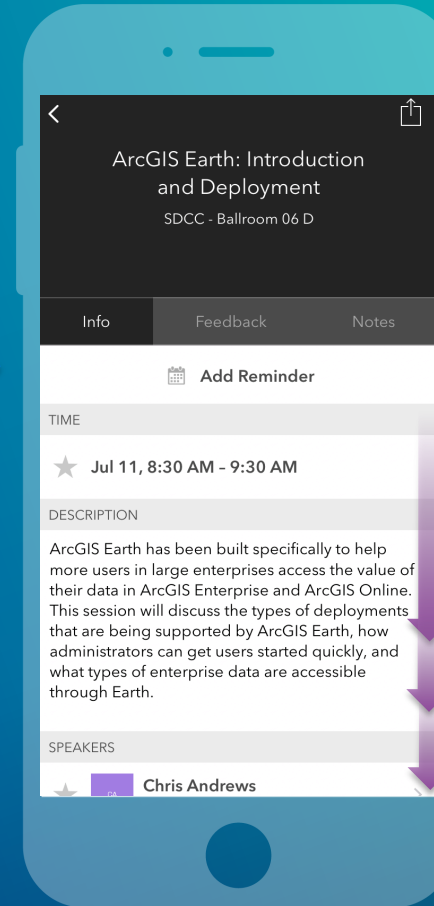
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the feedback section



Complete answers and select "Submit"

