



Creating and Using a Large Scale Campus Basemap

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Education GIS

Workshop Overview

- **Benefits of a campus basemap**
- **Getting to know the campus basemap templates and data models**
- **Campus basemap workflow**
- **Using your campus basemap**

Common campus basemap layers

- Buildings
- Pavement areas
- Landscape areas
- Fences/walls
- Pavement lines
- Sports lines
- Trees
- Pavement points



ArcGIS and your campus basemap

- The platform to help build, use and share your map
 - Tools - Templates - Online Community



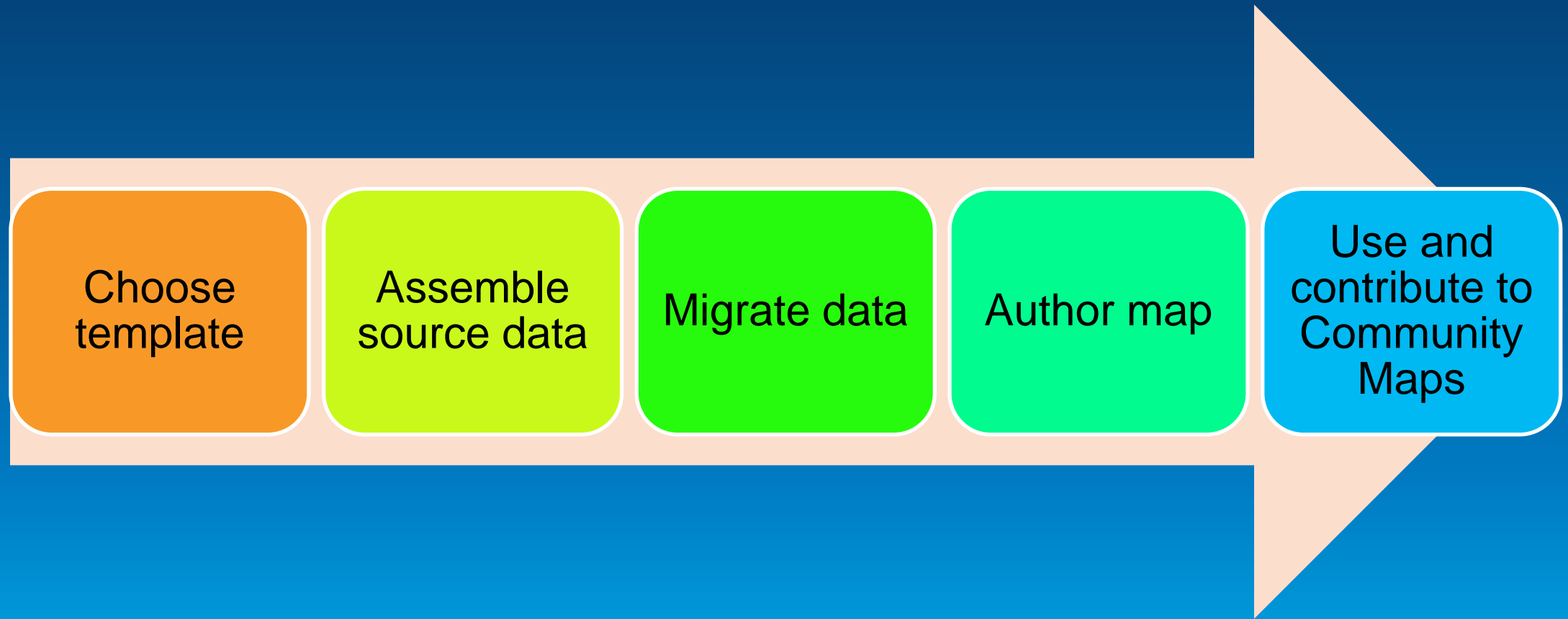
The screenshot shows the ArcGIS website homepage. At the top, there is a navigation bar with links for 'ArcGIS', 'FEATURES', 'PLANS', 'GALLERY', 'MAP', and 'HELP'. A 'SIGN IN' button and a search icon are also present. The main header features the 'ArcGIS' logo on the left and the 'esri' logo on the right. Below the header is a carousel of featured maps with the following items:

- Tour de France 2013**: A cyclist in a yellow jersey.
- Around the world in 8 days - alone**: A portrait of a man and a map of the world.
- Battle of Gettysburg**: A historical map of the battle.
- Wildfire Public Information Map**: A map showing wildfire areas with the 'esri' logo and 'Disaster Response' text.

At the bottom, there are four sections:

- Sign-up now**: Get a free ArcGIS Online account and start making web maps today.
- Make a Map**: Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website.
- ArcGIS for Developers**: Build custom web and mobile applications that incorporate your maps and data.
- Featured Videos**: Watch these short videos to quiddy get started making maps and apps.

Campus basemap workflow



Templates for building a campus basemap

- **Campus Basemap Template**
 - Part of the ArcGIS for Local Government templates
 - Rich feature set and darker colors
- **World Topographic Map Template**
 - Design incorporates most campus features
 - Used to publish the ArcGIS Online Topographic basemap
- **Both templates use the Local Government Information Model**



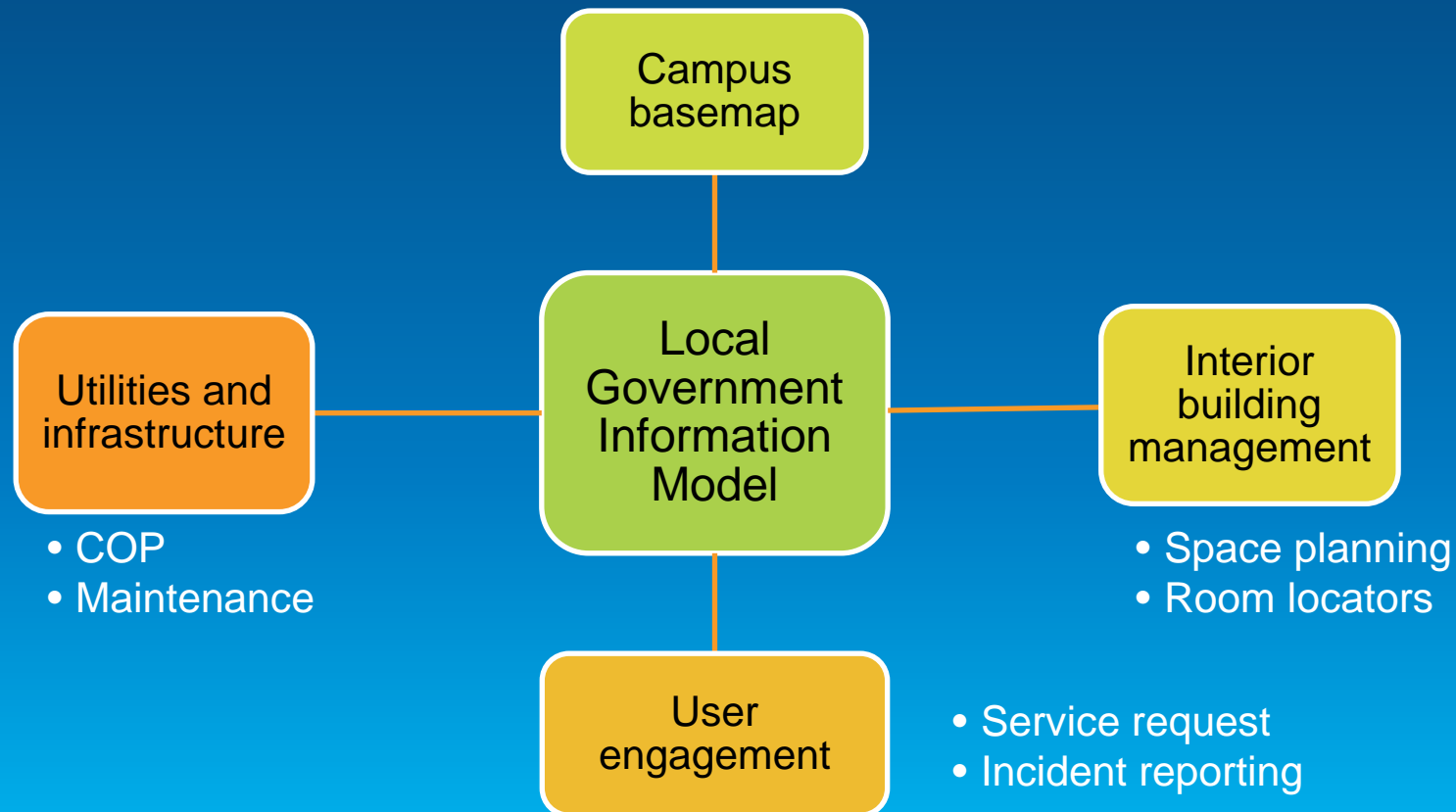
Basemap and data model

- Local Government Information Model is huge
 - Designed to support wide variety of municipal applications
- Campus Basemap only uses a few of the many feature classes



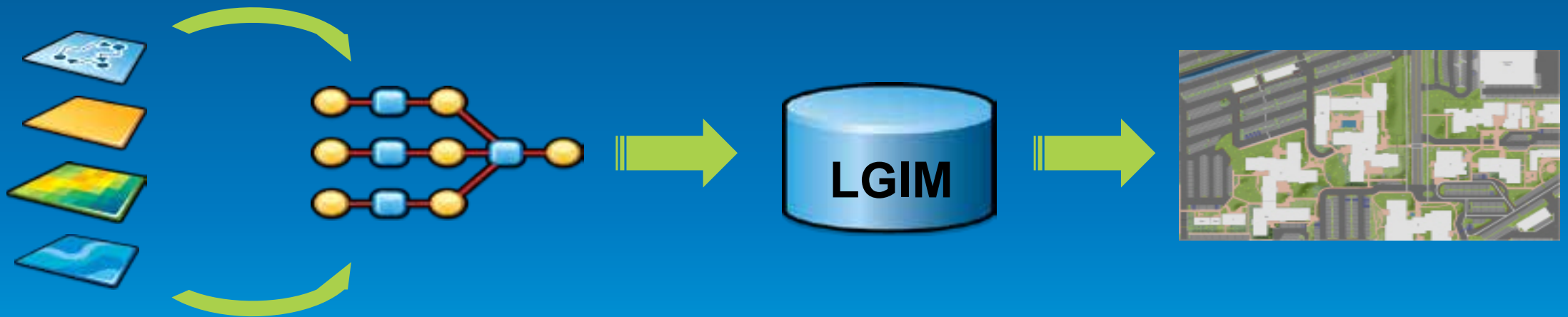
Leveraging the Local Government model

- Campus Basemap can be just a beginning
- Local Government model opens doors to greater productivity
 - Maps and Apps based on business needs



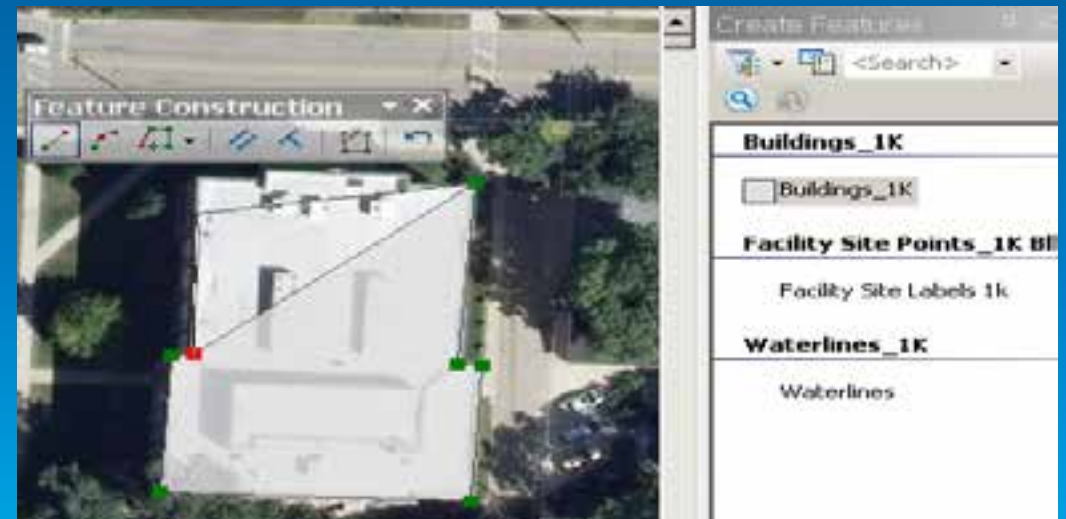
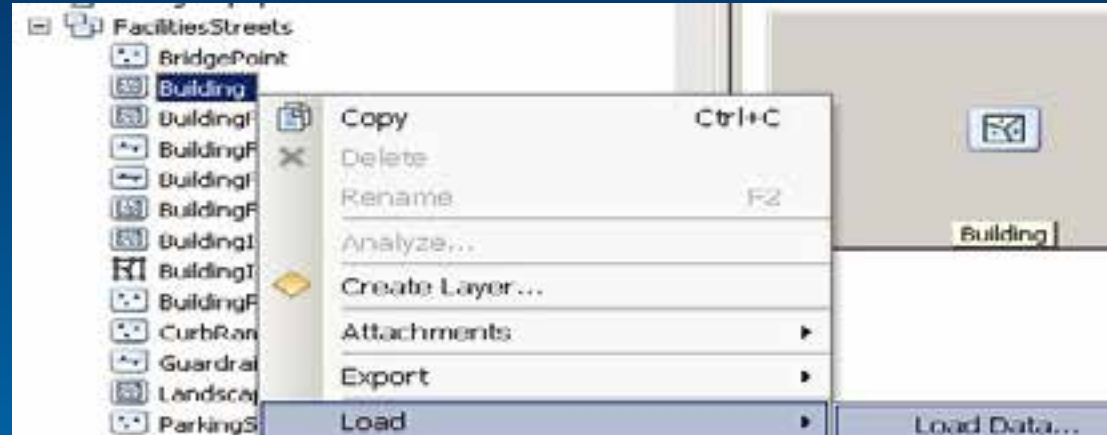
Data migration

- Moving your source data into the Local Government Information Model
- Many paths to the same result
- Most efficient path will depend on your data



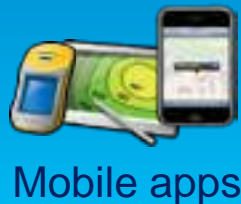
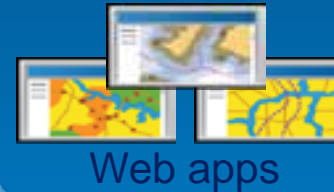
Migrating data with core ArcGIS Desktop

- Geoprocessing tools
 - Data loaders
 - Append
 - Feature to Point
- Heads up digitizing
- Attribute editing
 - For symbology control



Leveraging your basemap with Esri Community Maps

- Detailed basemap for your community is online
 - High-quality cartography with your accurate content
 - High performance and availability
 - No hosting costs or support required for the basemap
- Basemap freely available to ArcGIS and web users



Submitting content to Community Maps

- Two choices
 - Submit data
 - Preferred method
 - Can use Local Government or Community Maps Carto schema
 - Submit finished map cache (using WTM Template)



Local Government Maps and Apps

- Templates to ease development and increase productivity
- All use the Local Government Information Model
 - Campus Map is just the beginning

The screenshot displays the 'Local Government Information Model' gallery interface. On the left, there are filter sections for 'Community', 'ArcGIS Platform', 'Function', and 'ArcGIS Version'. The main area shows a grid of six map and app templates, each with a thumbnail and a title. The interface includes a search bar at the top, a 'Clear All' button, and pagination information.

Community Clear All

- Elections
- Land Records
- Planning and Development
- Public Safety
- Public Works
- Water Utilities

ArcGIS Platform

- Desktop
- Mobile
- Server

Function

- Constituent Engagement
- Data Management
- Field Mobility
- Planning and Analysis
- Operational Awareness

ArcGIS Version

- 10
- 9.3

Search Local Government Gallery

Page 1 of 1 (1 - 6 of 6 items)

Display: List | **Thumbnail** | Detail
Show: 15 | 30 | 45 items

Esri Maps & Apps
Emergency Management Maps (ArcGIS 10)

Partner Maps & Apps
InVision FM

Esri Maps & Apps
Infrastructure Capital Improvement Planning (ArcGIS 10)

Esri Maps & Apps
Infrastructure Capital Improvement Planning (ArcGIS 9.3)

Partner Maps & Apps
GISi Economic Development App

Esri Maps & Apps
Land Use Public Notification (ArcGIS 10)

Exercise

- **Migrate data to a campus basemap template**
- **Create a simple web application in ArcGIS Online**



Understanding our world.