



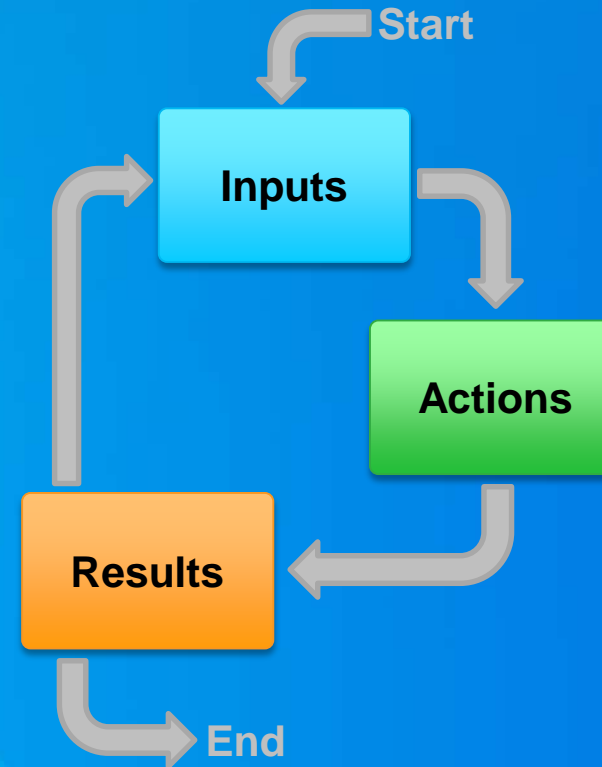
Learning Common GIS Workflows

Rudy Prosser & Michael Sarhan

Common GIS workflows

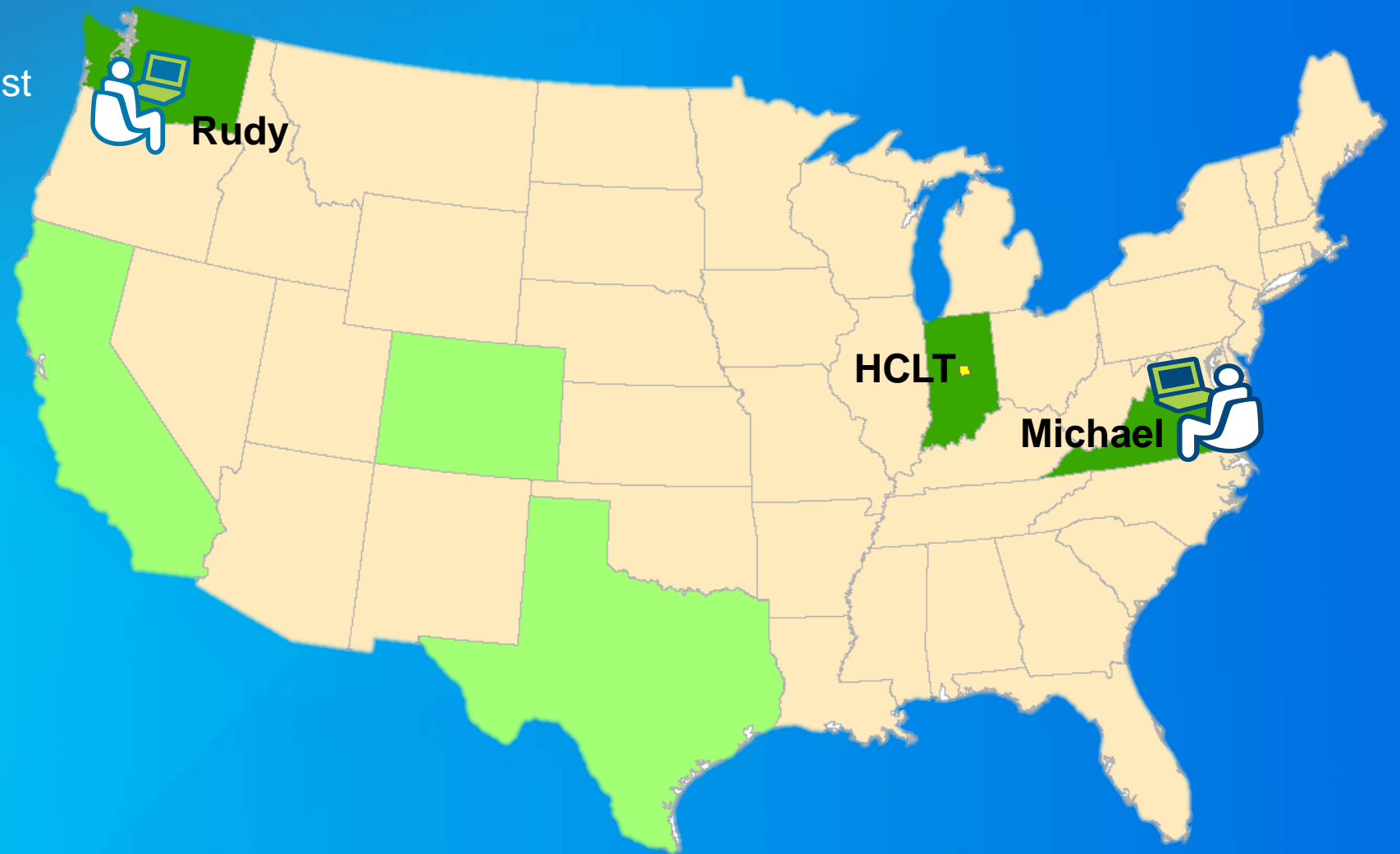
Getting things done

- Geodatabase
 - Updating feature classes
- Editing
 - Set the editing environment
- Analysis
 - Spatial analysis framework
- Cartography
 - Map design workflow
- Sharing
 - Web maps with ArcGIS Pro
 - Web apps with Web AppBuilder



Scenario

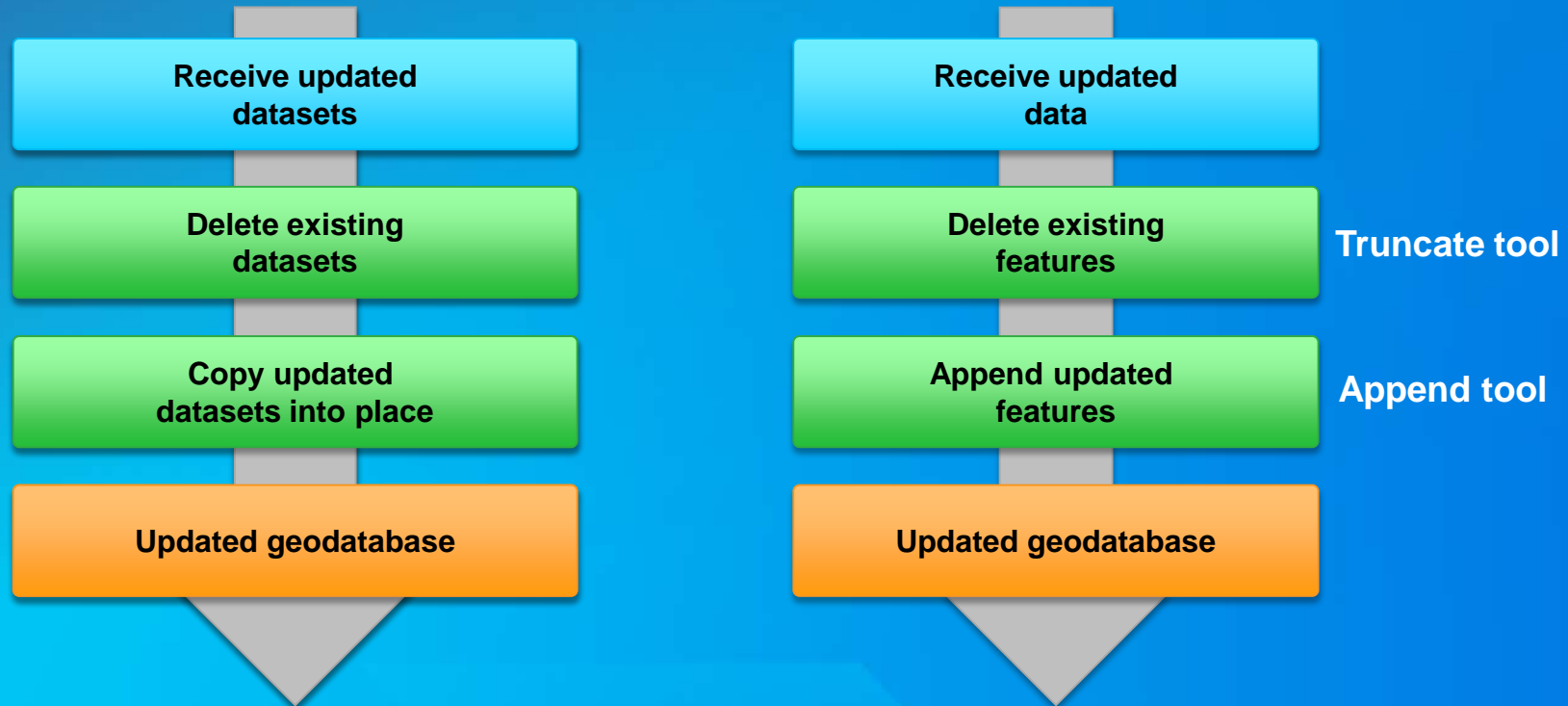
- Hamilton County Land Trust
- GIS volunteers
- Remotely located
- Training new volunteers



Geodata

The background features a vibrant blue gradient. On the left side, there are several overlapping geometric shapes in shades of purple and yellow. A yellow shape in the lower-left quadrant contains a faint, light-colored map outline of a region, possibly a state or province, with internal grid lines.

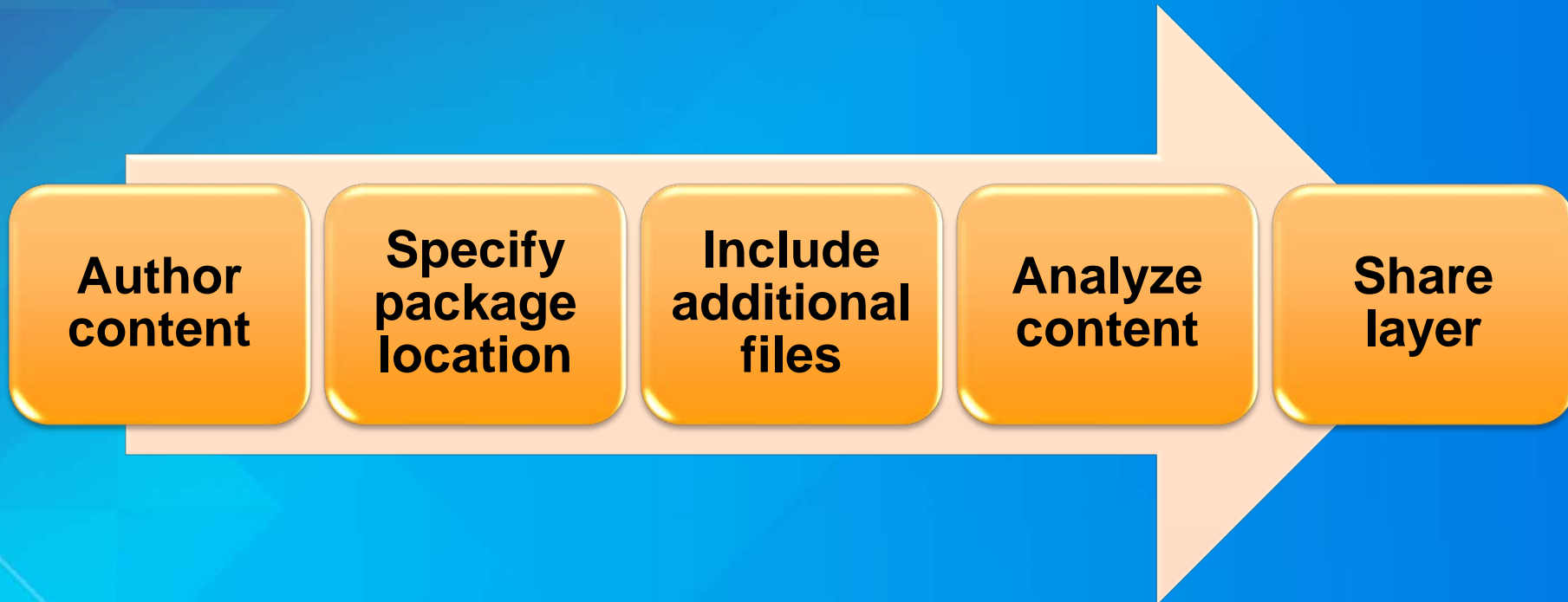
Updating feature classes



The background features a vibrant blue gradient. On the left side, there are several overlapping geometric shapes: a large purple triangle pointing upwards, a yellow triangle pointing downwards, and a dark purple triangle pointing downwards. The yellow triangle contains a faint, light-colored map of a region, possibly a state or province. The word "Sharing" is centered in the upper half of the image in a white, bold, sans-serif font.

Sharing

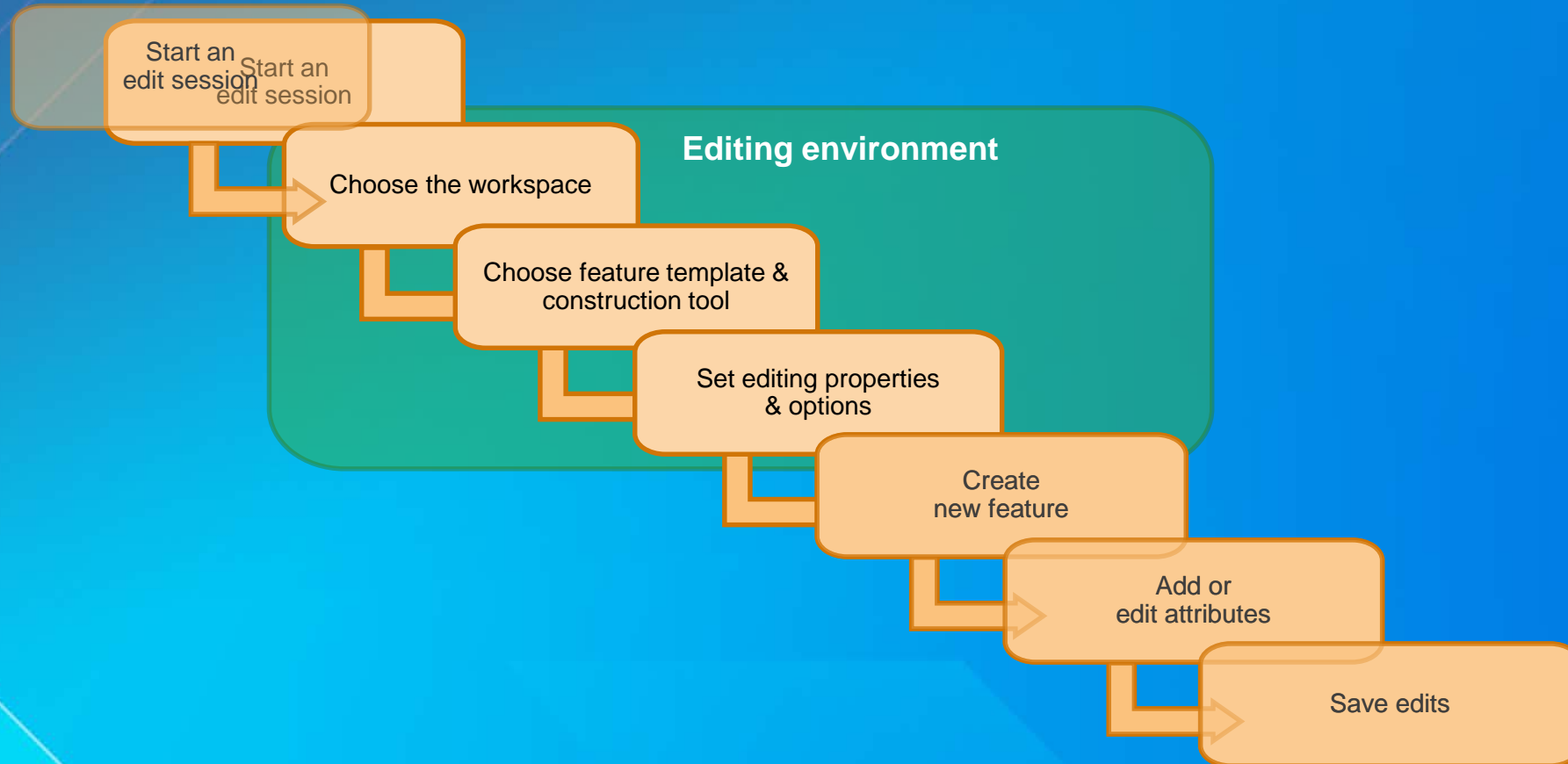
Sharing a layer package to ArcGIS Online



The background features a vibrant blue gradient. On the left side, there are several overlapping geometric shapes: a large purple triangle pointing upwards, a yellow triangle pointing downwards, and a dark purple triangle pointing downwards. The yellow triangle contains a faint, light-colored map of a region, possibly a state or province. The word "Editing" is centered in the blue area in a white, bold, sans-serif font.

Editing

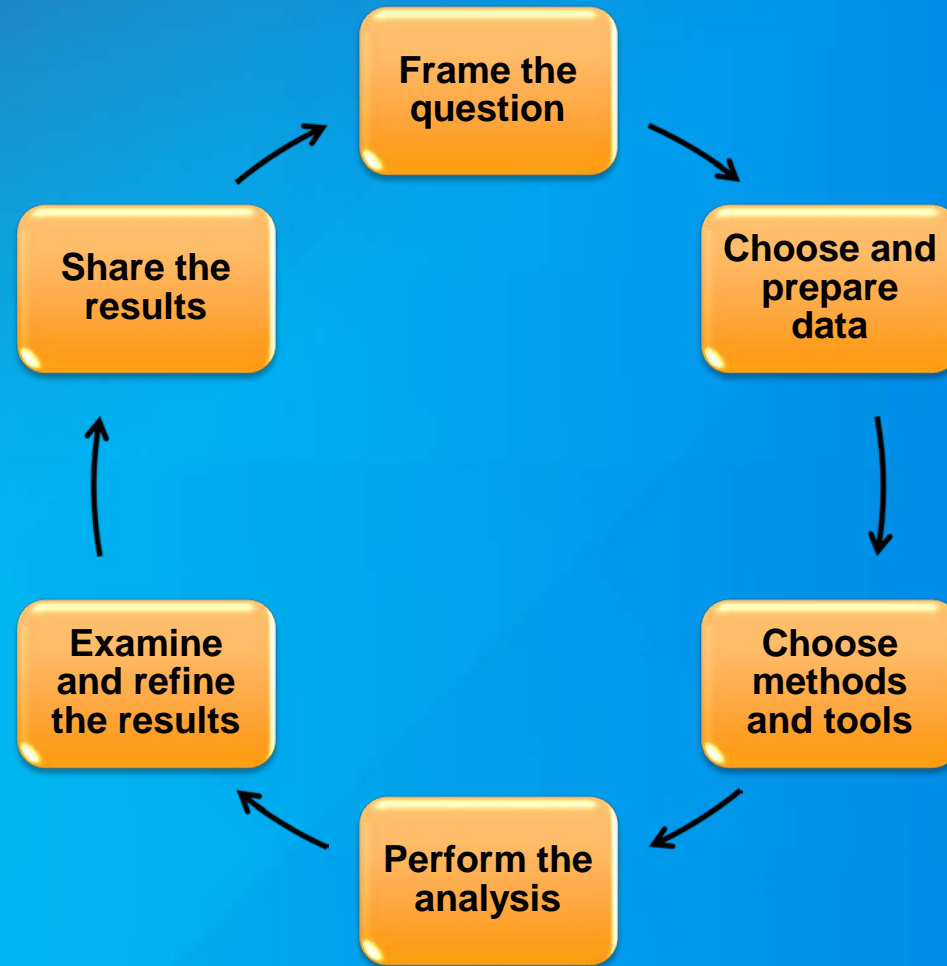
Setting the editing environment



Analysis

The background features a vibrant blue gradient. On the left side, there are several overlapping geometric shapes: a large purple triangle pointing upwards, a yellow triangle pointing downwards, and a dark purple triangle pointing to the right. These shapes are layered, creating a sense of depth. The word "Analysis" is centered in the upper half of the image in a white, bold, sans-serif font.

Spatial analysis framework



The analysis

Question: What are the projected costs of acquiring conservation easements on candidate parcels within the HCLT acquisition area?

Data: Parcels within the HCLT acquisition area

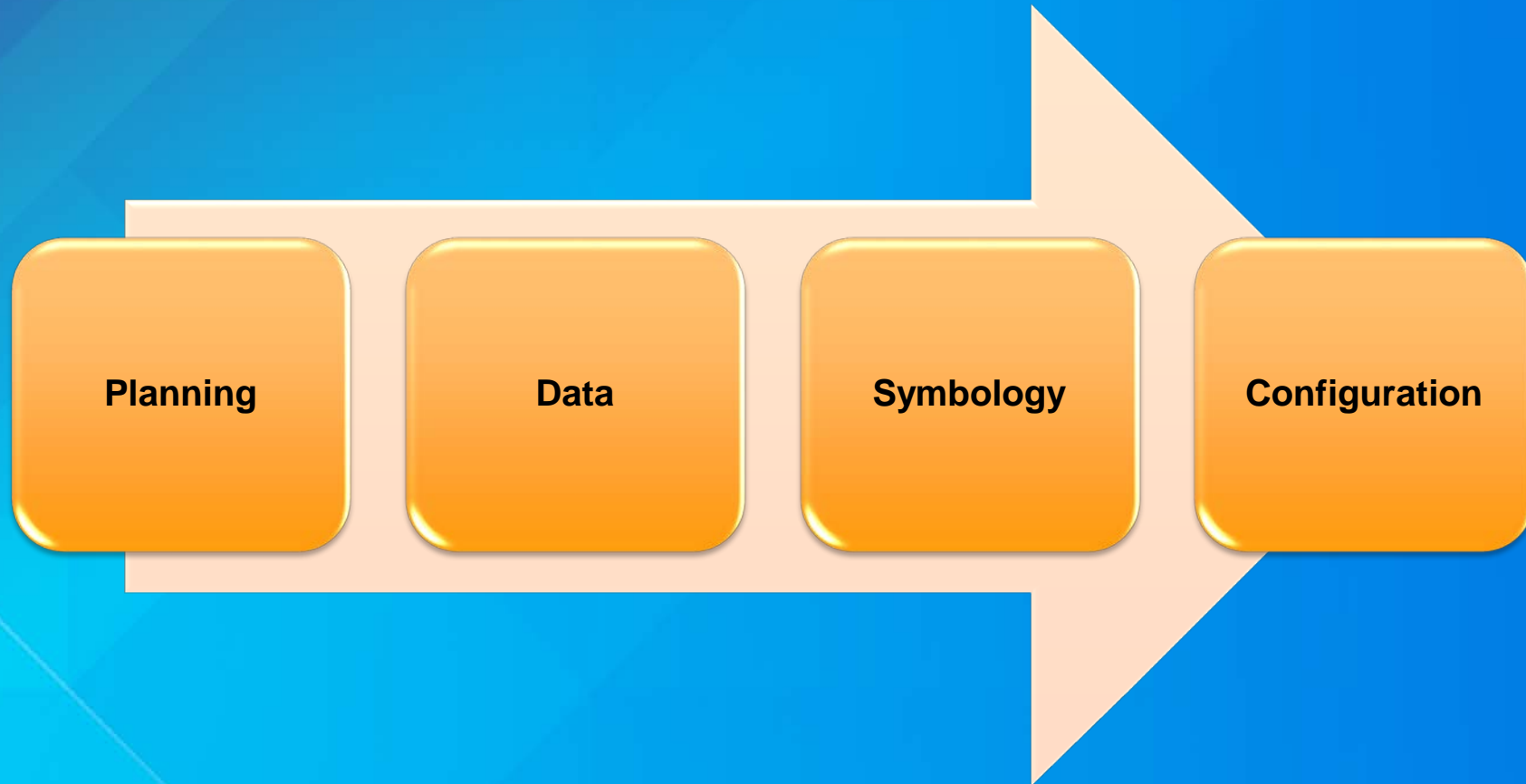
Method: Run a model to randomly assign costs to candidate parcels and sum the total.

Perform: Run the HCLT Acquisition Model

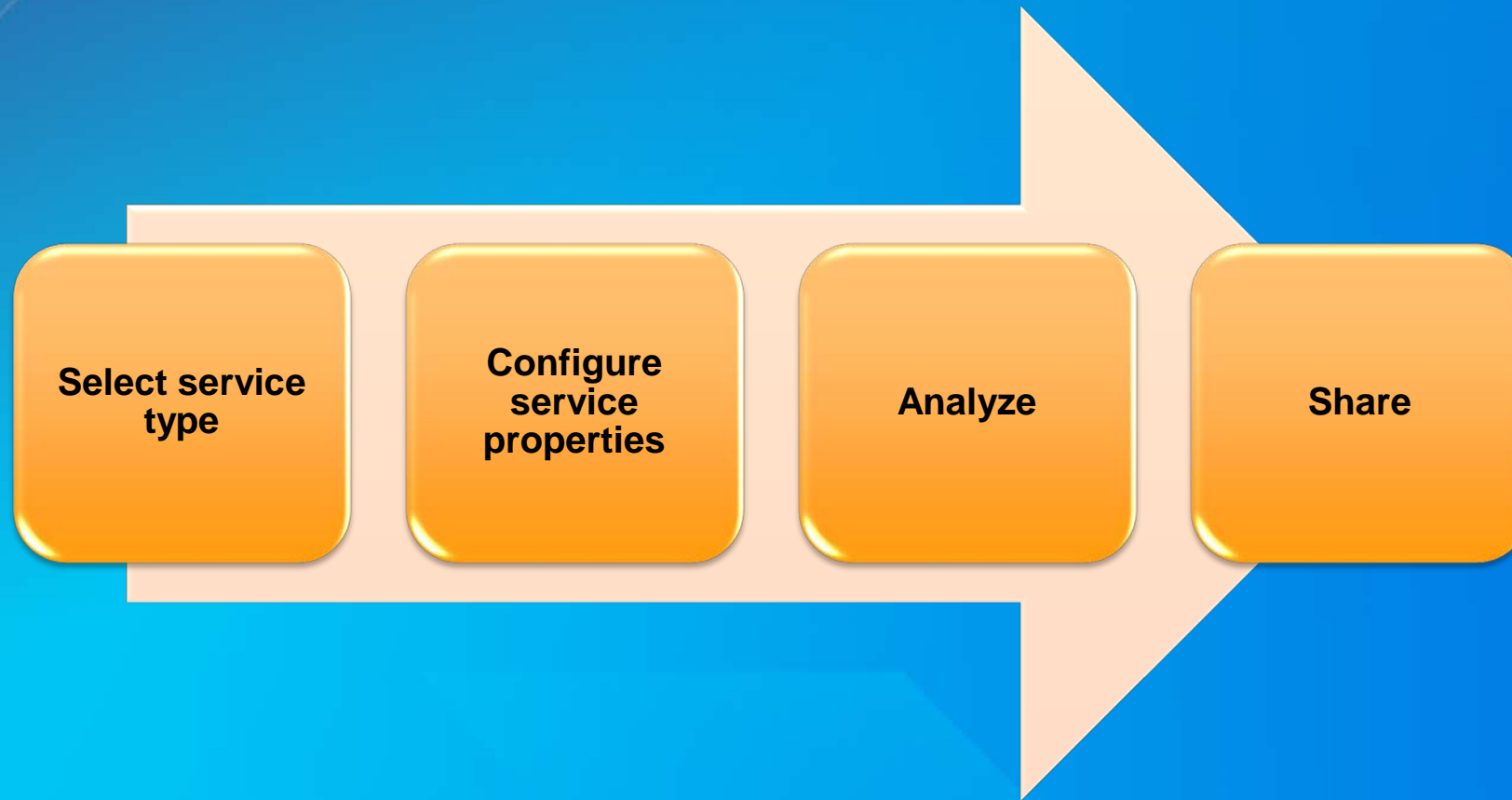
Cartography



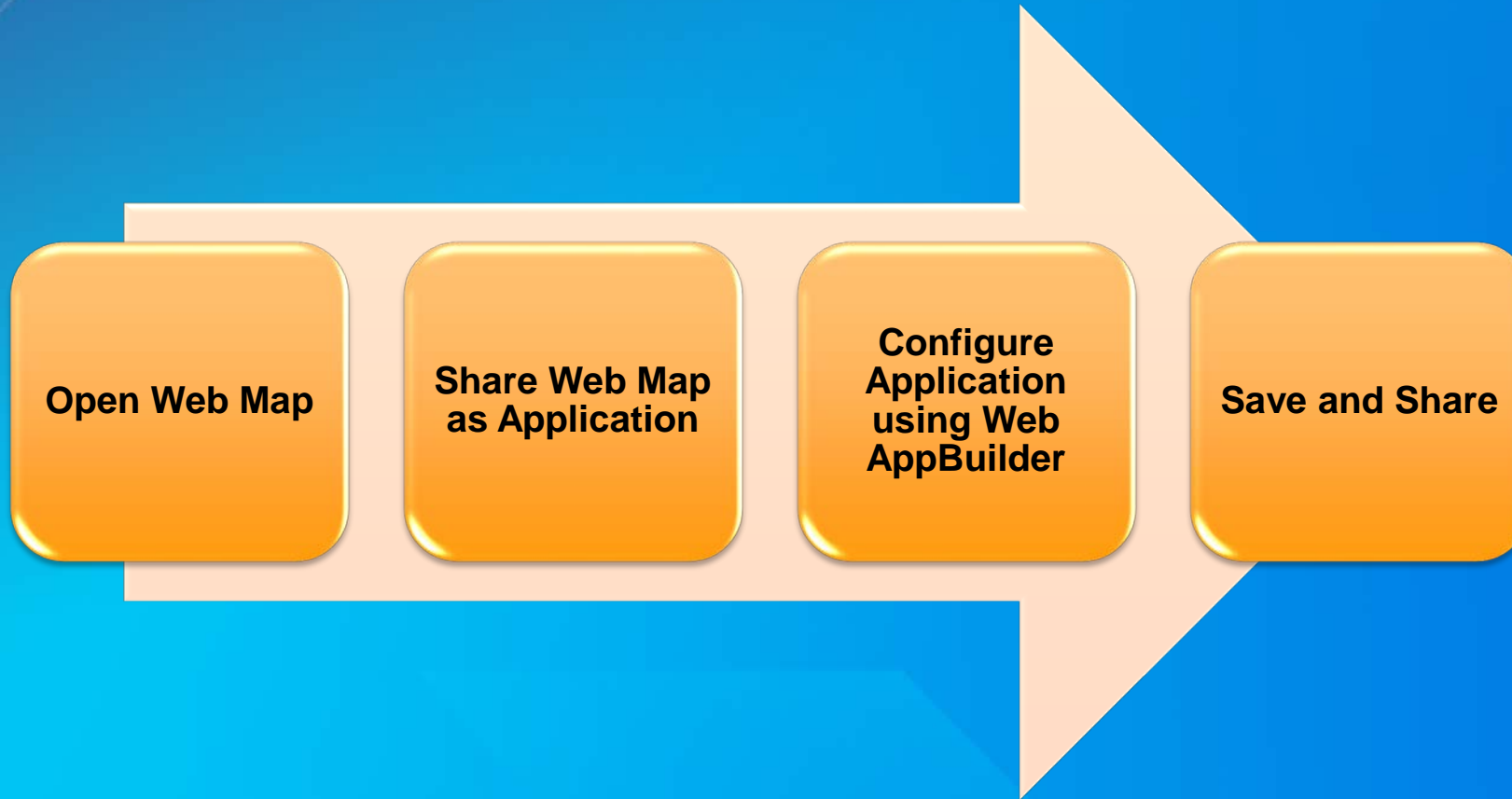
Web map design workflow



Share web map with ArcGIS Pro



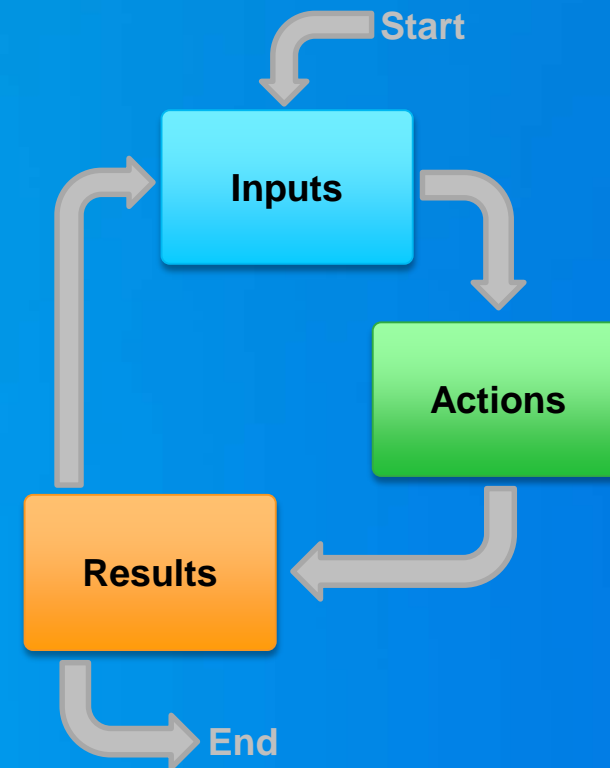
Share web app with Web AppBuilder



Conclusion

GIS workflows covered

- Geodatabase
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- Editing
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Resources for when you get home

- **ArcGIS for Desktop tutorials**

- Editing tutorial (5 parts)
- Building a geodatabase tutorial (8 parts)

- **ArcGIS for Server tutorials**

- Publishing a map service

- **Analysis**

- Analysis and geoprocessing community

- **ArcGIS for Desktop Help**

- Sharing data through packaging

- **ArcGIS for Server tutorials**

- Publishing a map service

- **Cartography**

- Mapping Center
(mappingcenter.esri.com)
- Cartographer's Favorites

- **Web AppBuilder**

The background is a vibrant blue gradient. On the left side, there are several overlapping geometric shapes in shades of purple, teal, and yellow. A small, semi-transparent map fragment is visible within one of the yellow shapes. The text is centered on the right side of the slide.

Thank you!

Please fill out an evaluation

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Understanding our world.