



# Generalization for Multi-Scale Mapping

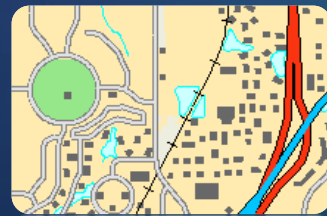
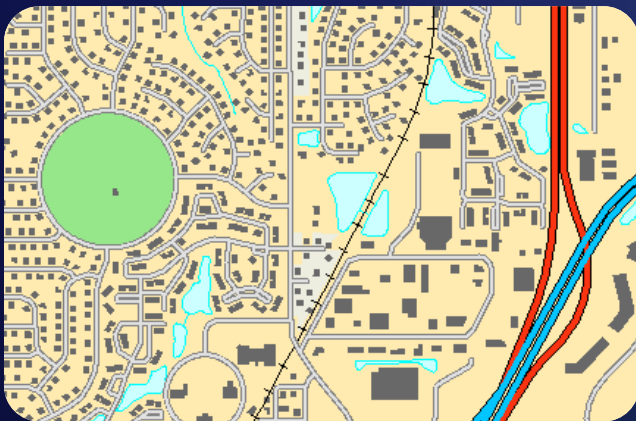
Jamie Conley

An abstract graphic on the right side of the slide. It features a blue background with various geometric shapes in shades of orange, red, and green. A prominent feature is a white topographic contour line that curves across the scene. There are also clusters of small orange dots and some thin white lines, suggesting a map or data visualization.

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# Contextual Generalization

- Early automated generalization tools considered the geometry of each feature sequentially without regard to symbology or other feature relationships
- Contextual generalization tools assess multiple features from multiple layers simultaneously
- Maintain representative pattern, density, and character
- Resolve conflicts between symbolized features at scale

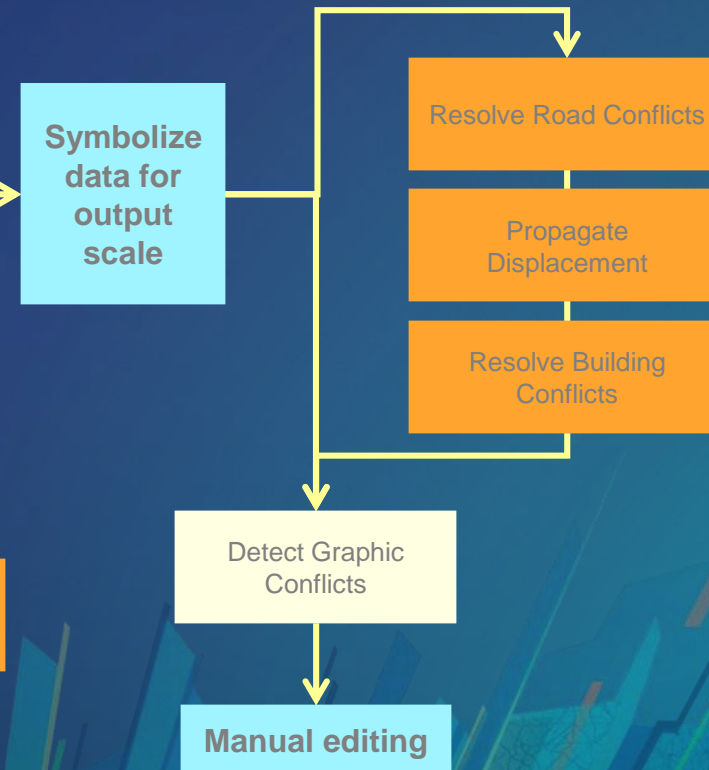


# Multi-Scale Mapping Workflow

## Data Generalization (Generalization toolset)

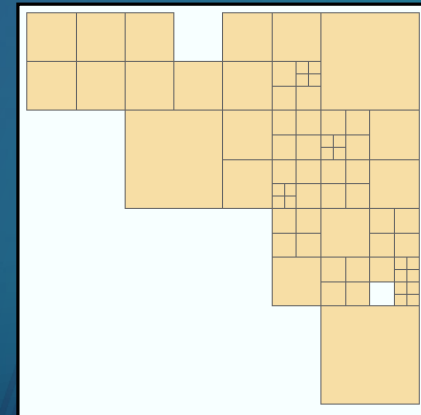
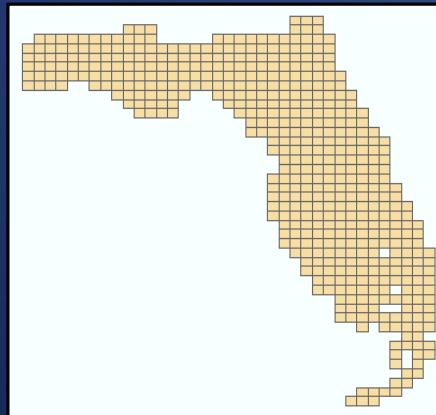
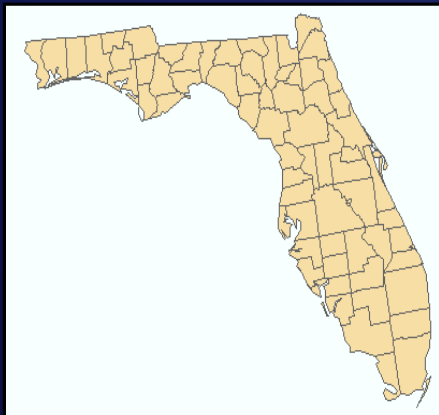


## Conflict Resolution (Graphic Conflicts toolset)



# Partitioning Large Datasets

- Establish partitions for data
  - Feature layers, map sheet boundaries, or
  - use Create Cartographic Partitions tool
- Set the Cartographic Partitions geoprocessing environment variable to this partitions layer
  - Each partition processed independently
  - Edge matching handled





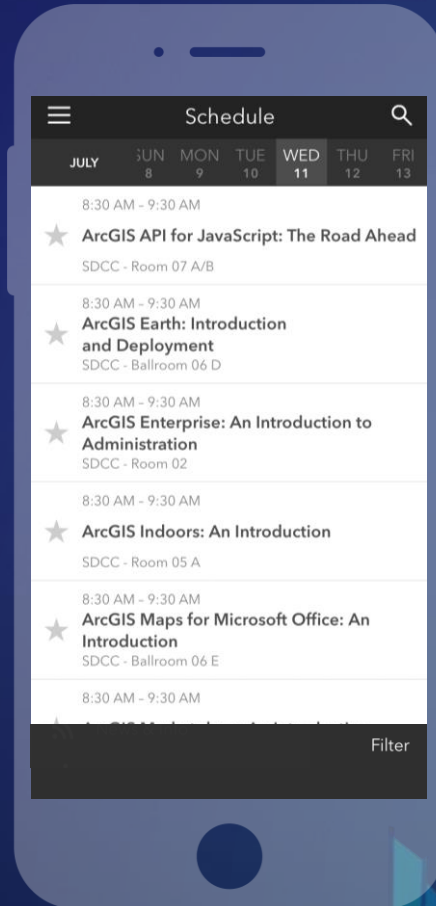
# Generalization Demo

# Please Take Our Survey on the App

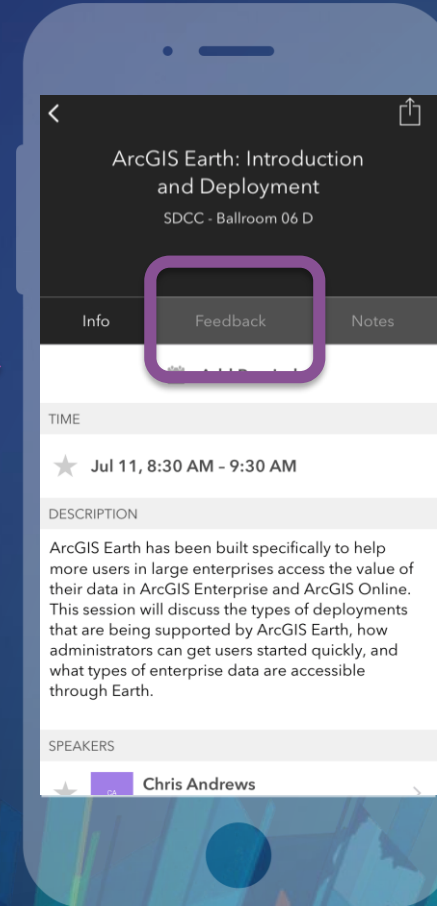
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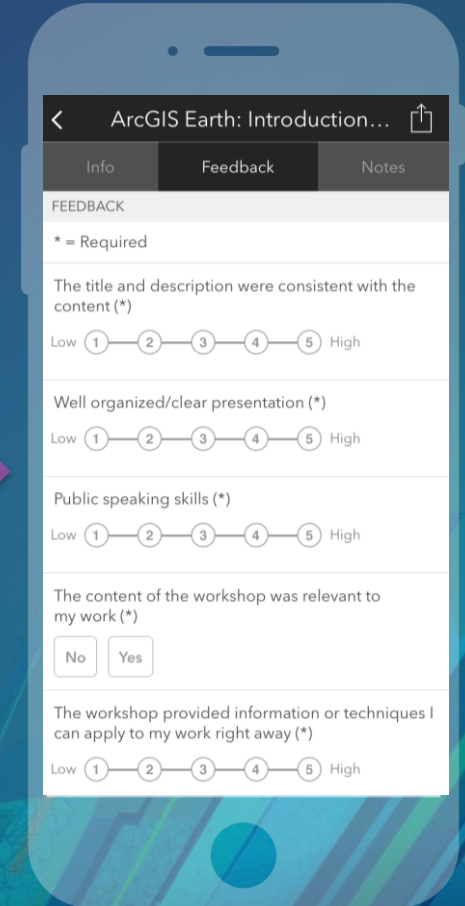
Select the session you attended



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