Automate Your Data Updates Using Geoprocessing and Python

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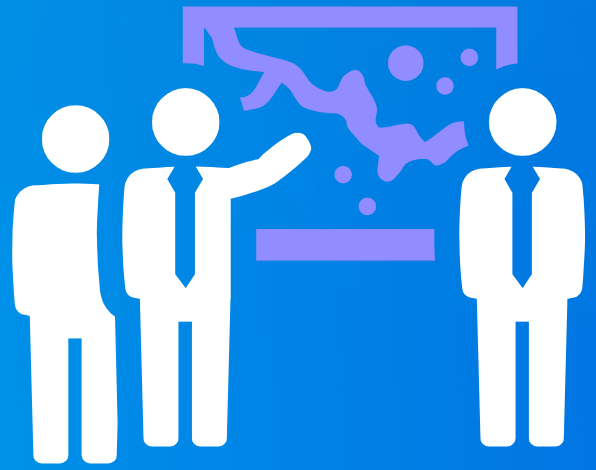
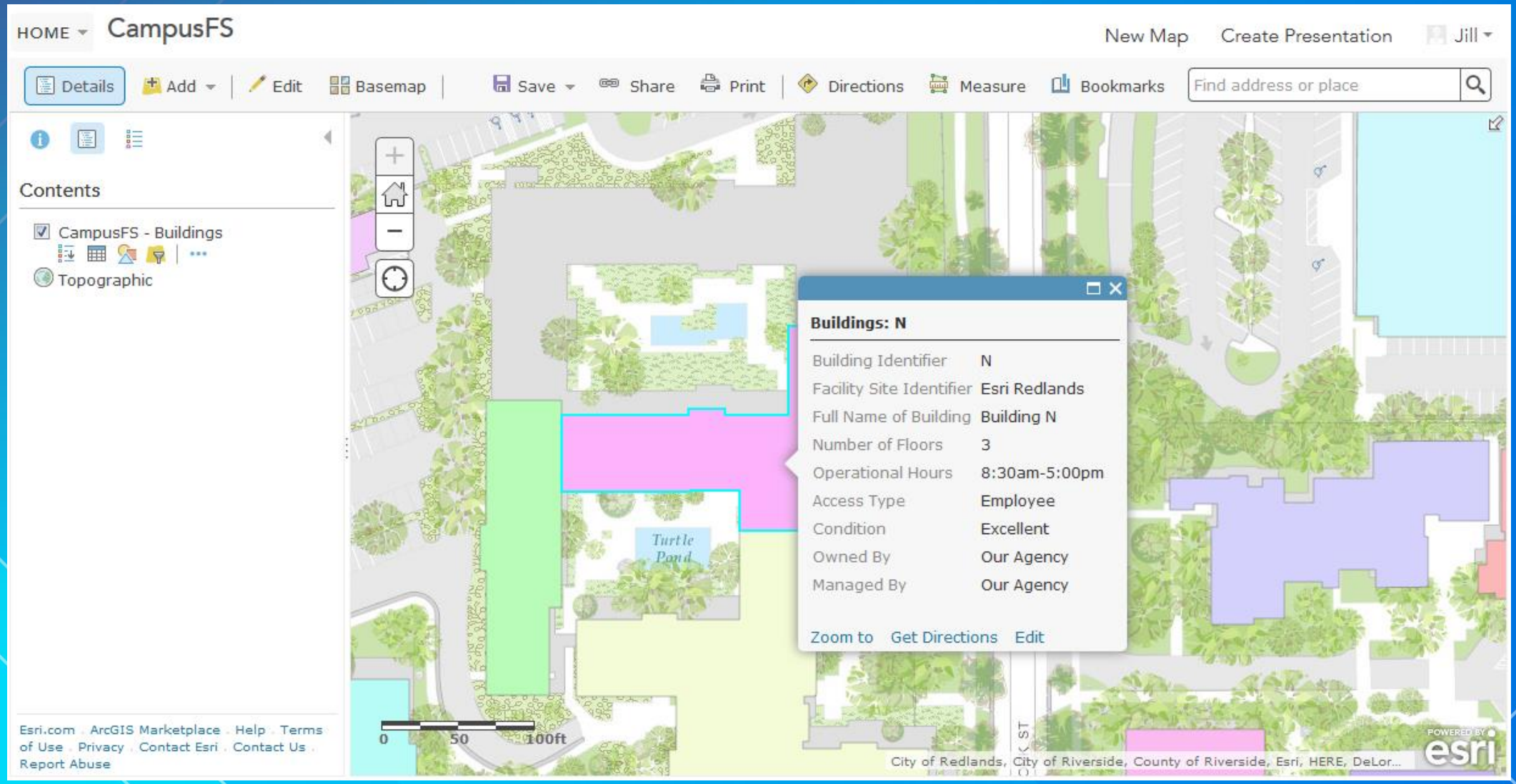
Assumptions

- Geodatabase fundamentals
- Experience with geoprocessing (gp)
- Need to modify deployed data



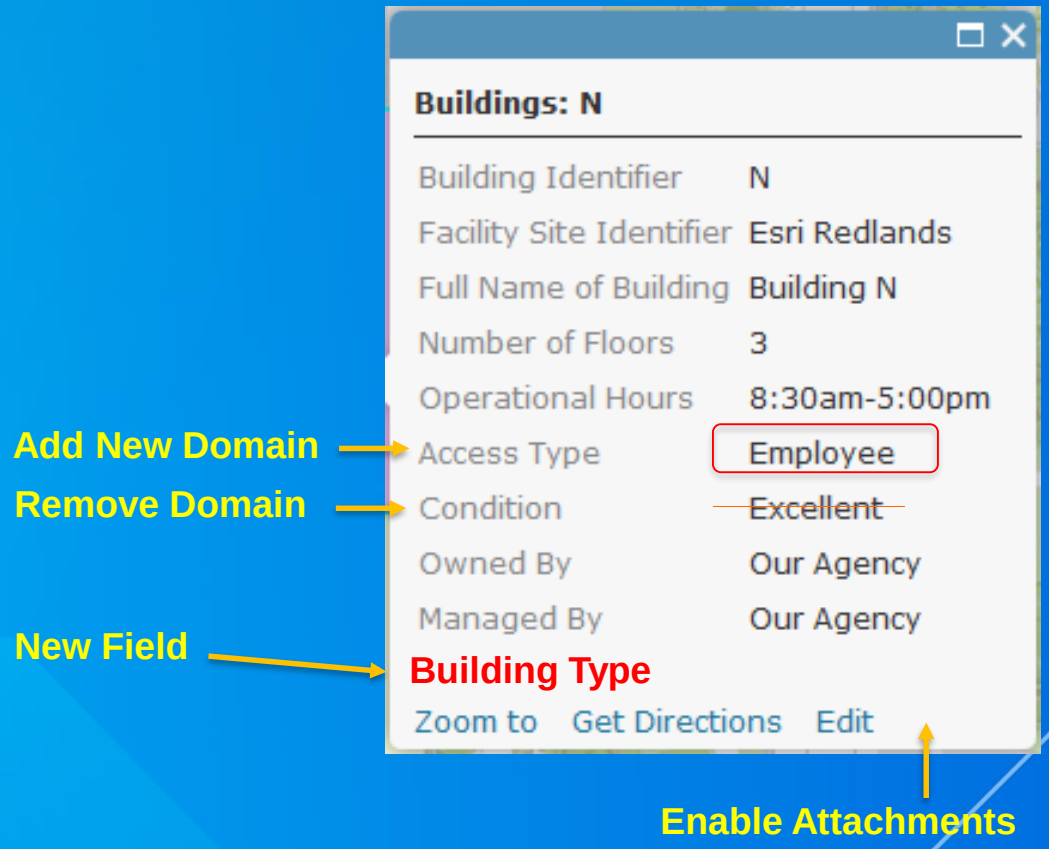
- Please hold questions until the end of the session
- Reminder to silence phones
- There will be a link at the end to download code

My shared map



Requirements have changed

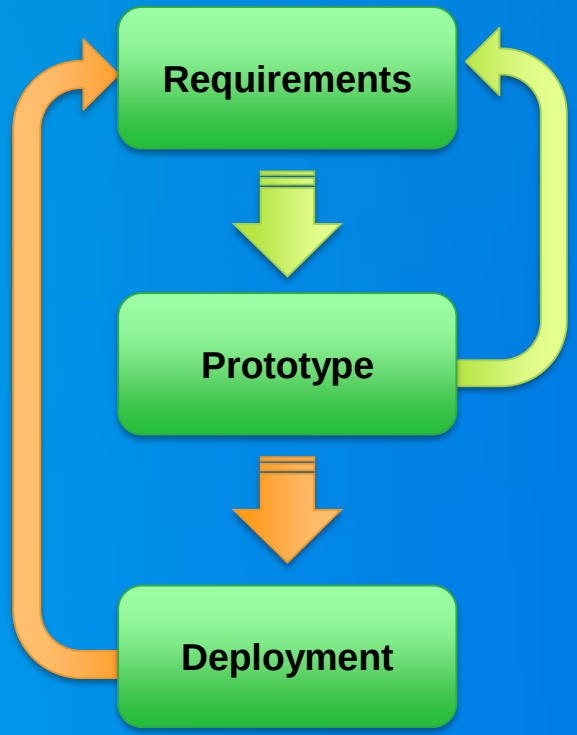
- A new field is required
- Add a domain to an existing field
- Remove the domain from another field
- Enable attachments



Data Modification

Schema Changes

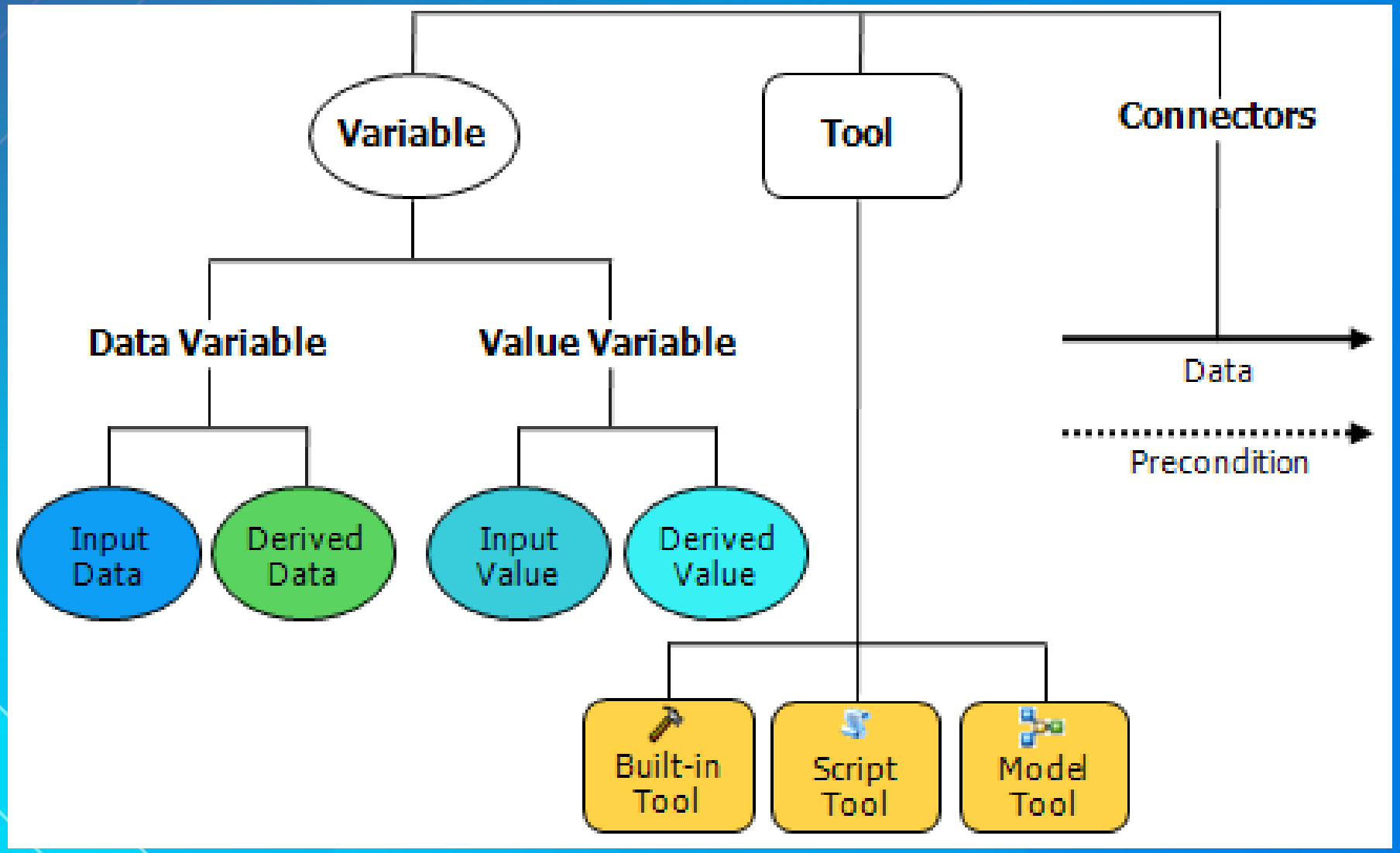
- Over time your data model will change
- Use additional models or scripts to push out updates
- Deploy when appropriate



Benefits of Using Geoprocessing

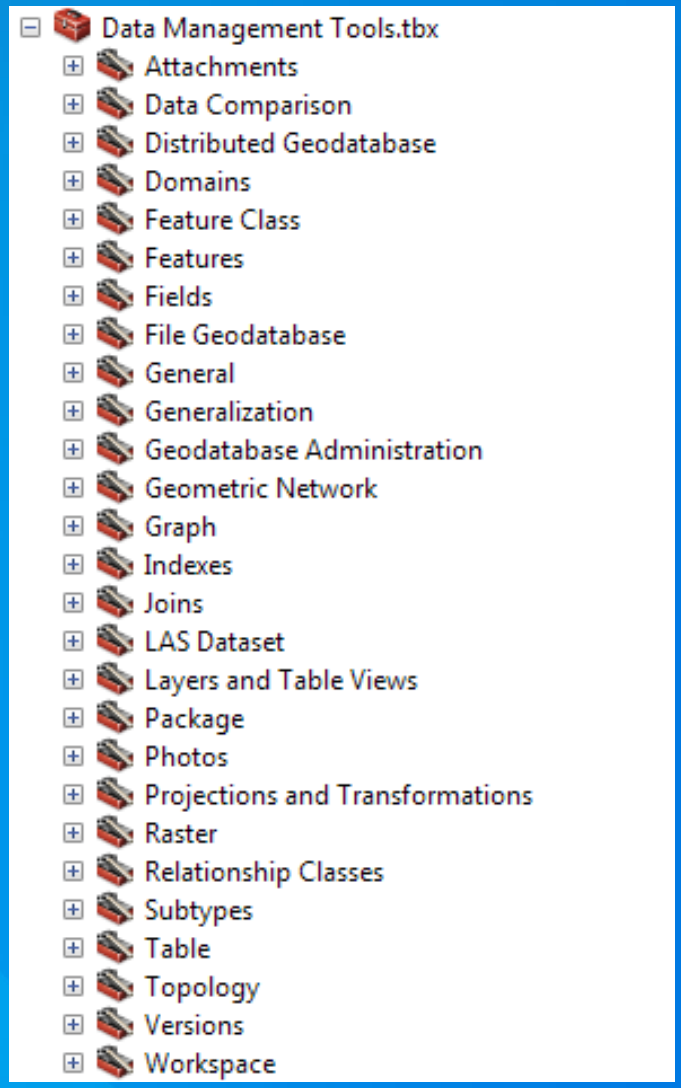
- No recreating schema or reloading data
- Schedule changes to take place at appropriate time
- Change documentation

Model Elements



What tools should I use?

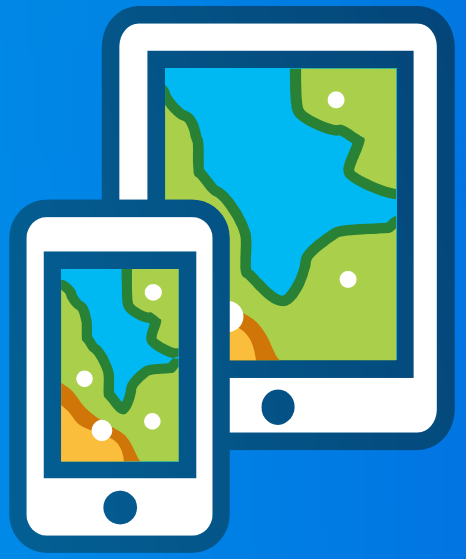
- Look in the Data Management toolbox
- Many tools to create geodatabase items



Street Inspection

Esri Campus, Redlands

- Survey Esri campus grounds during UC week
- GIS Analyst has deployed a Street Pavement feature class as an ArcGIS Server feature service
- Field workers updating data live



Street Inspection Demo

ModelBuilder

Python

Scheduling

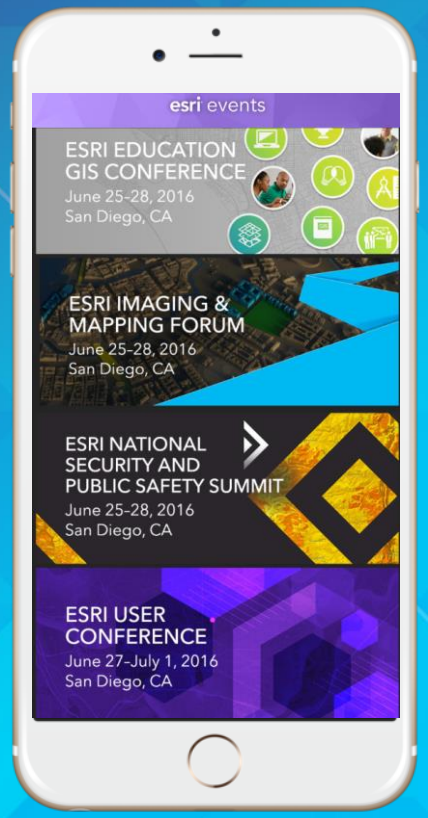
Final Thoughts

- Model tools
- Python script tools
- Use Python to automate
- Easy way to document modifications

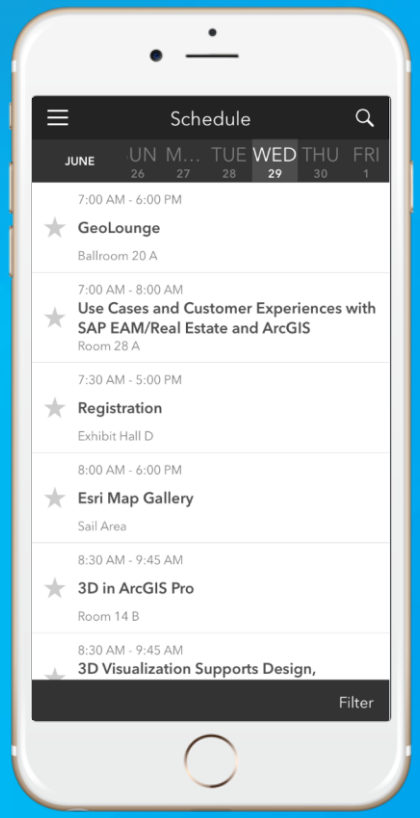
Please take our Survey

Your feedback allows us to help maintain high standards and to help presenters

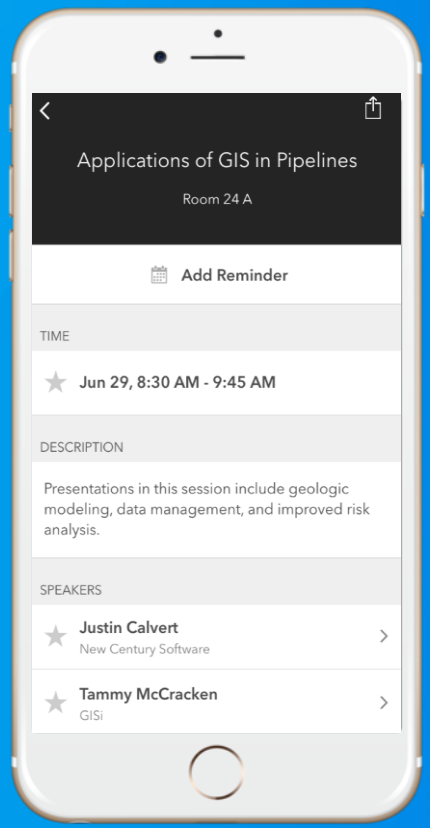
Find your event in the Esri Events App



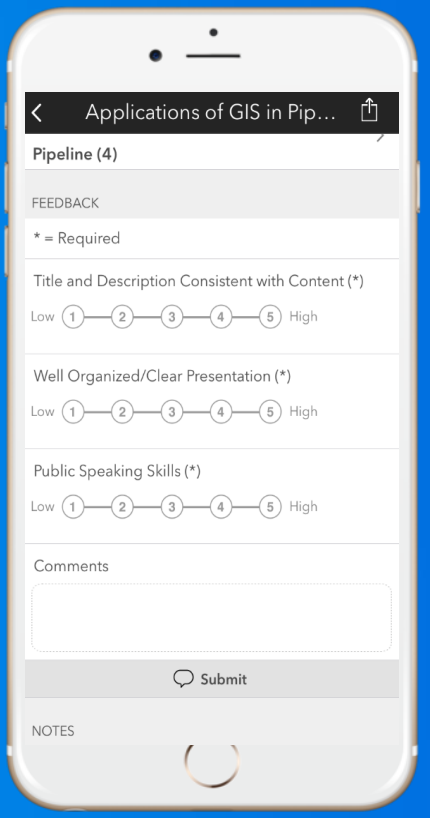
Find the session you want to review



Scroll down to the bottom of the session



Answer survey questions and submit



Understanding our world.