

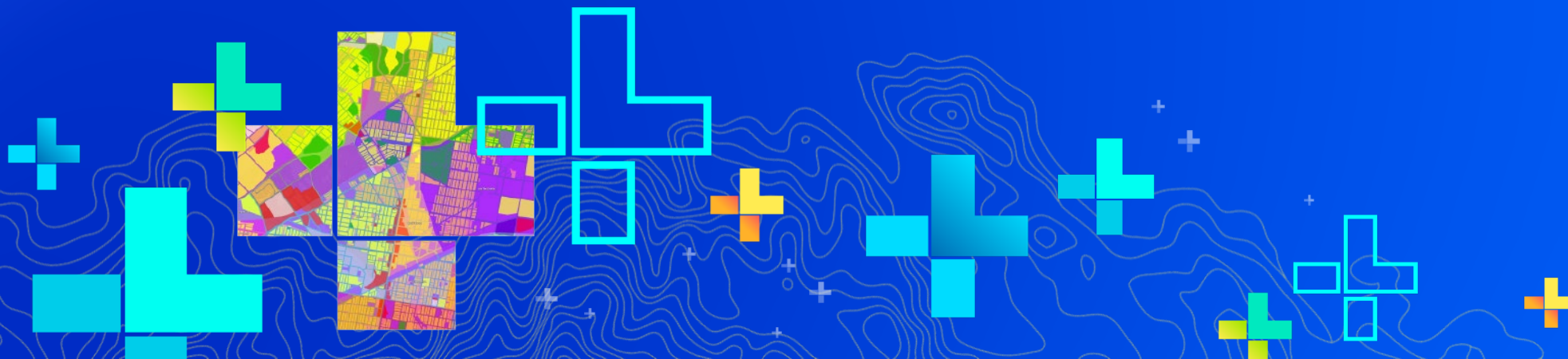


The Living Atlas of the World

Keith VanGraafeiland

Ocean Content Lead

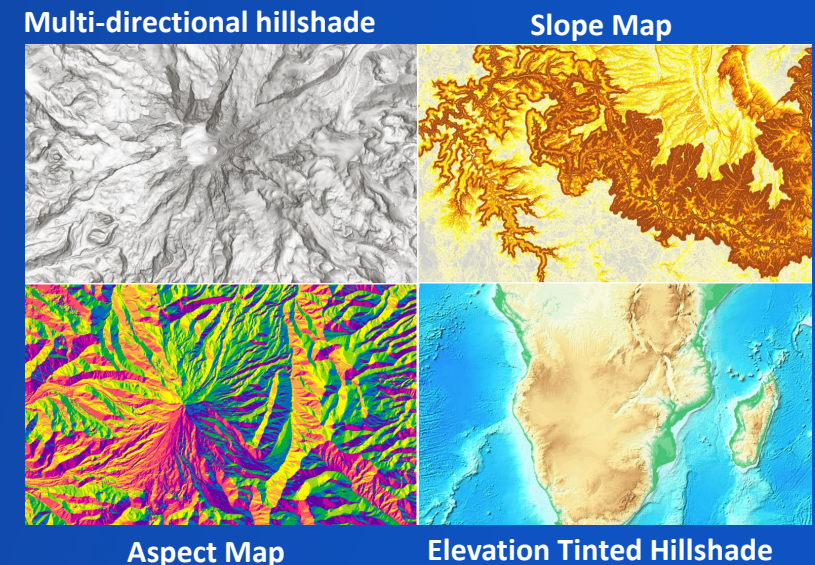
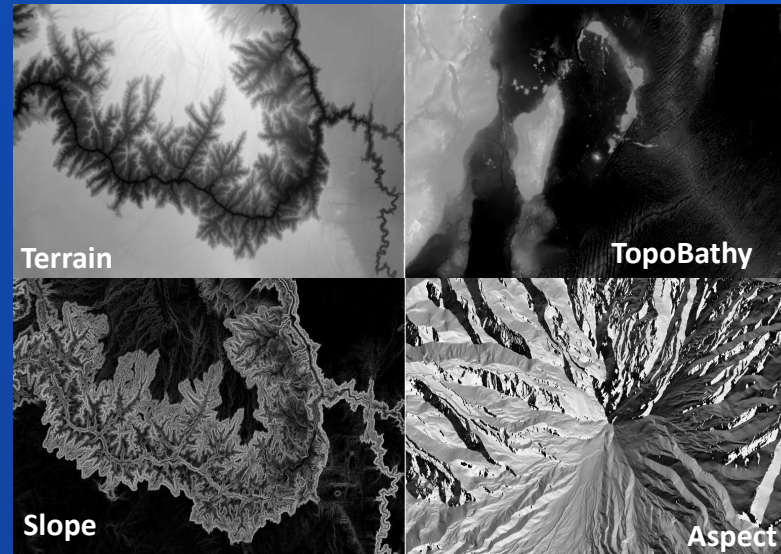
SEE
WHAT
OTHERS
CAN'T



TopoBathy

Global collection of multi-resolution
& multi-source

- Best public and community data
- USGS, NASA, NOAA, NGA, CGIAR and other national mapping organizations
- Several authoritative data providers
- Ready to use maps and tools
- Visualization and Analysis
- 2D and 3D
- Included with Online Subscription
- No credits
- No download

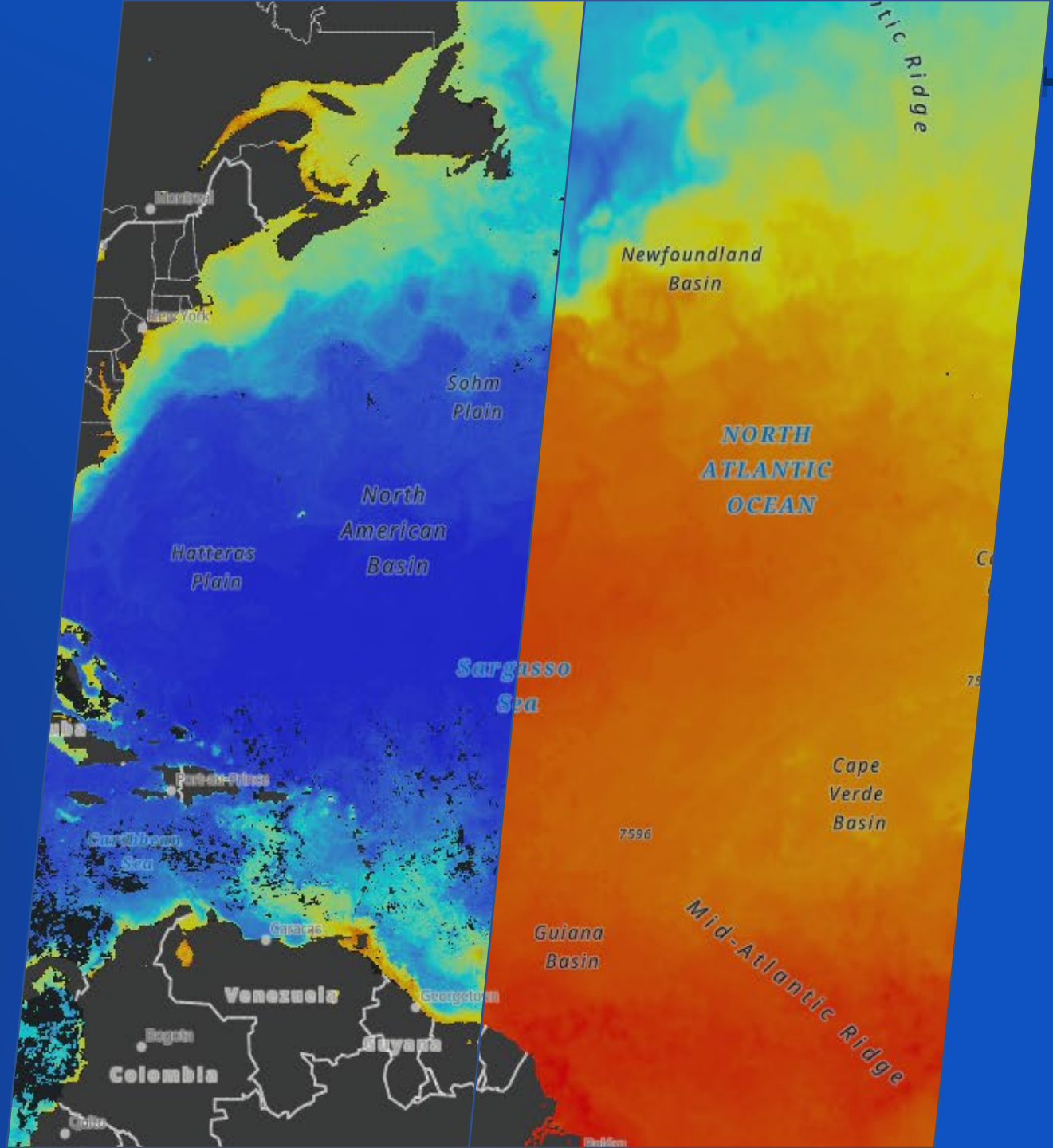


AT YOUR FINGERTIPS

Earth Observations for Our Ocean

Updated Daily

- Sea Surface Temperature
 - 2008 to Present
- Chlorophyll-a concentration
 - 2001 to Present
 - On-the-fly daily, weekly and monthly calculations
- Supplement with other imagery from MODIS

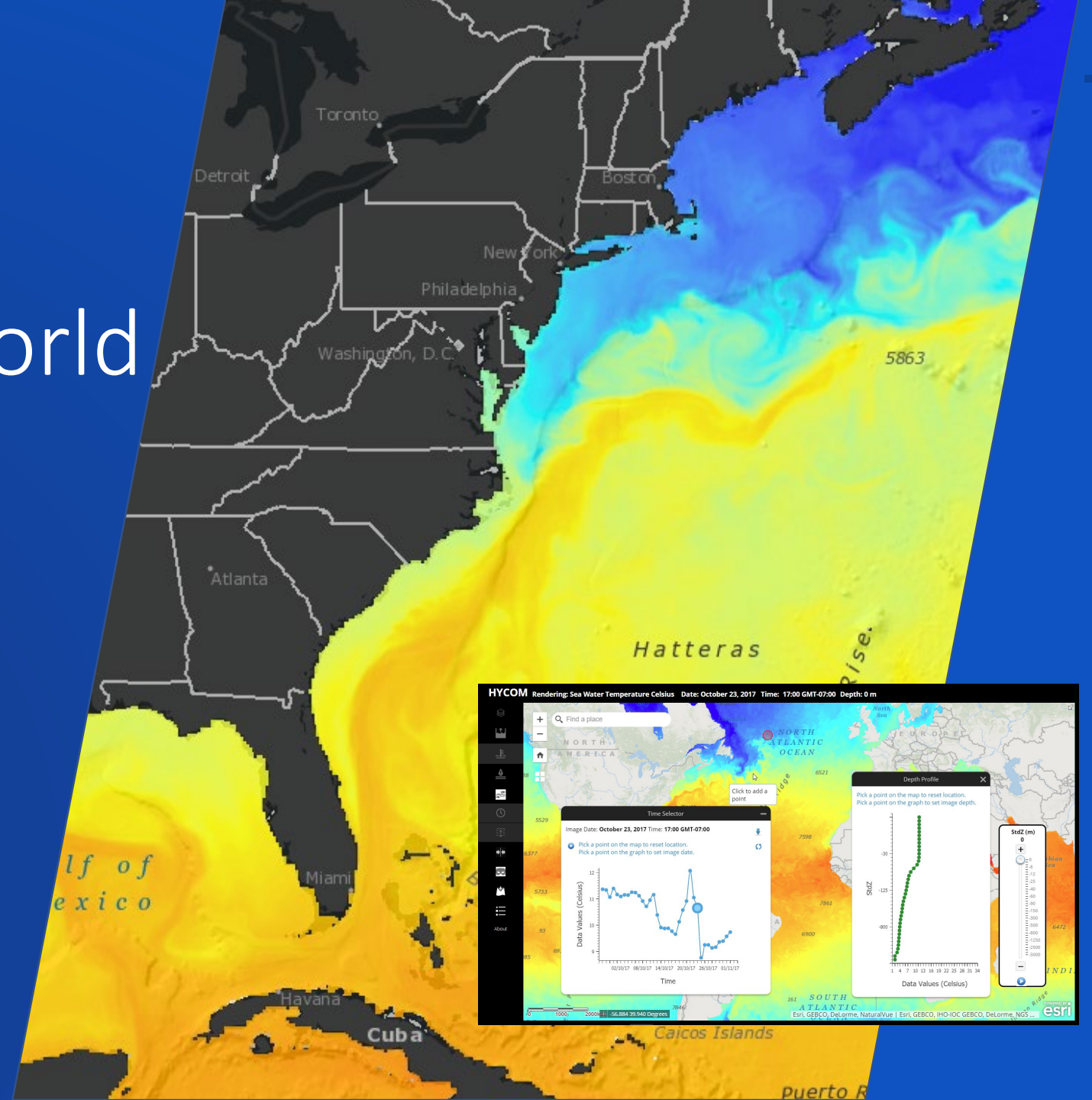


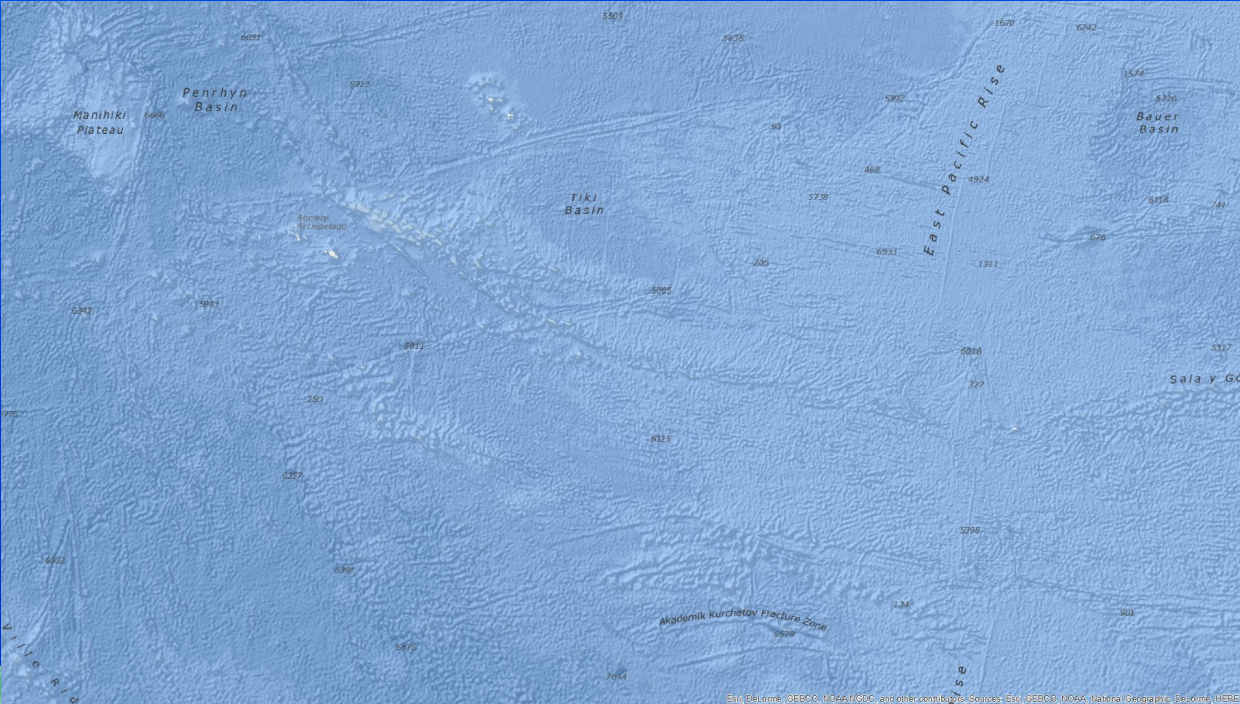
AT YOUR FINGERTIPS

Oceanographic Models for the World

Five variables using on-the-fly calculations from HYCOM

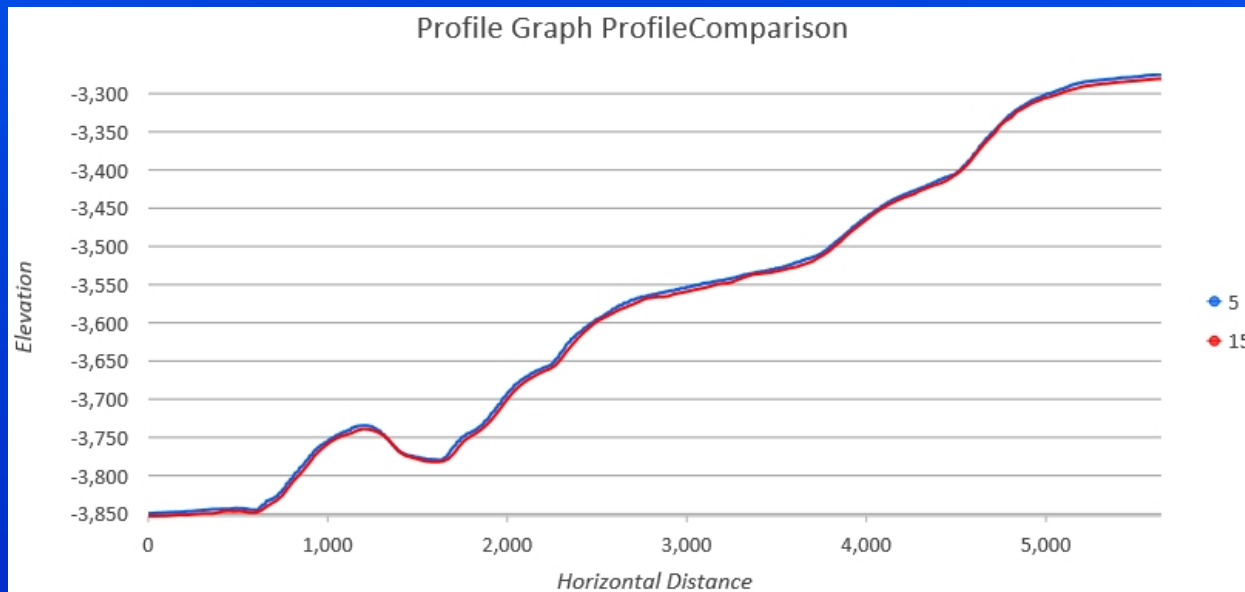
- Sea surface elevation
- Temperature, Salinity, Eastward Velocity, Northward Velocity
 - 40 standard depth layers
- 7-Day Forecast; 30-Day Hindcast
 - 3-hour time intervals
 - Updates daily





Creating 3D Animation in Pro with Topobathy

Keith VanGraafeiland



Profiling in ArcGIS Pro

Keith VanGraafeiland