Ocean Basemap

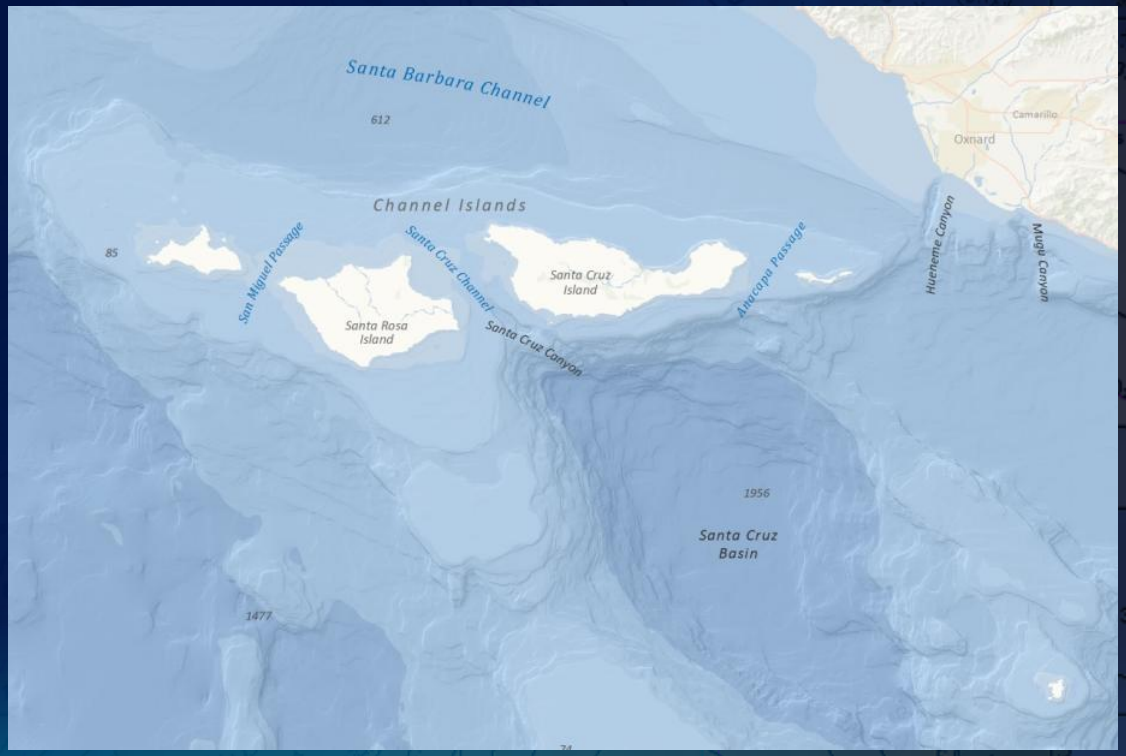
12.2011

esri

Austin
Houston
San Antonio
Brownsville
México City
Puebla
Belize
Guatemala
Honduras
Orlando
Tampa
Miami
Havana
Cuba
Jamaica
Gulf of Mexico
Mexico Basin
Yucatán Shelf
Yucatán Basin
West Florida Escarpment
Florida Keys
Straits of Florida
Florida Valley
Blake Plateau
Bahama Ridge
Great Bahama Bank
Bahama Escarpment
Cayman Ridge
Yucatan Channel
Gulf of Honduras
Nicaragua Rise
Greater Antilles
3939
3959
649
3275

Overview

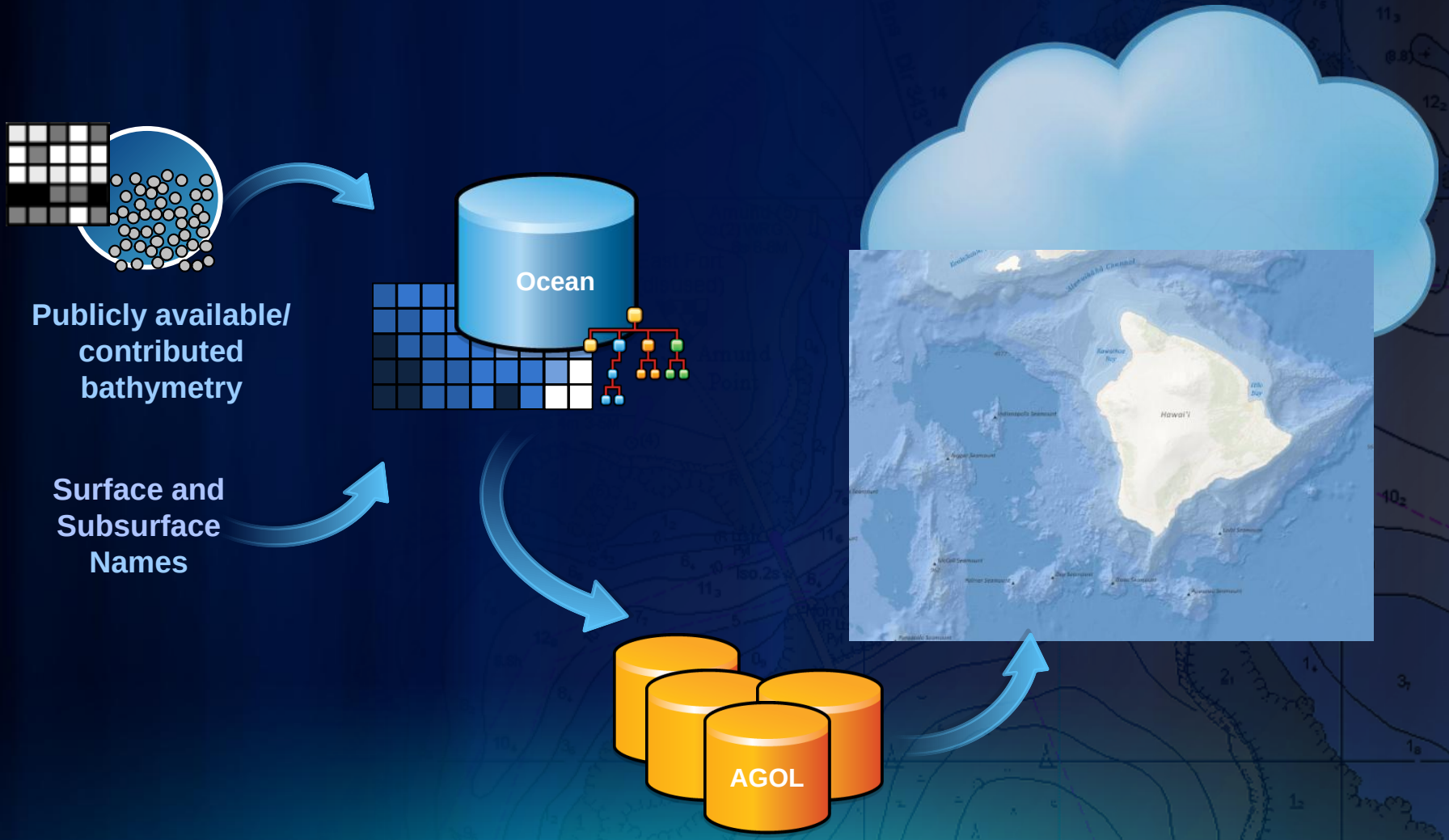
- What is the Ocean Basemap
- How it was built
  - Architecture
  - Sources
- How it is used
- What's next
- Demo



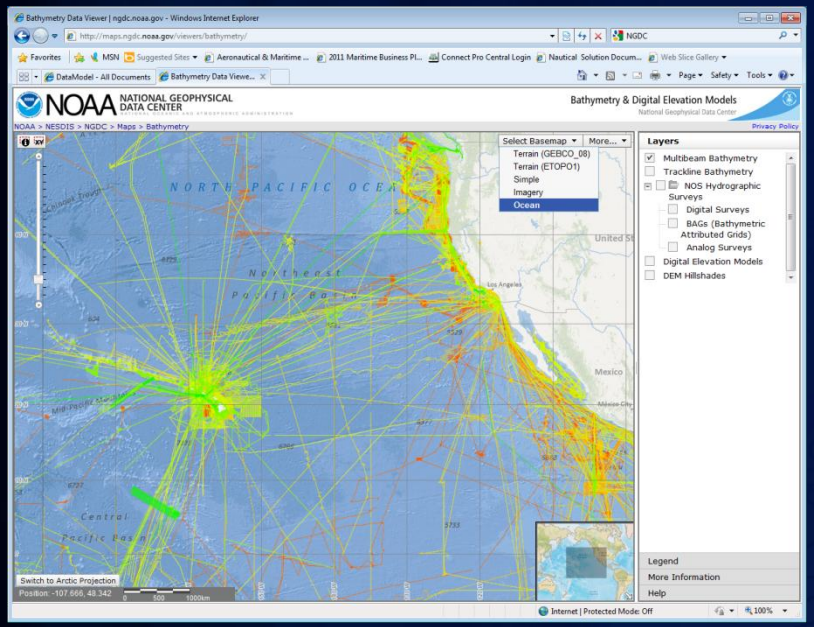
What is it

- Cached map service
  - Cached vs. Dynamic
  - Citation layer
- Based on Bing maps tiling scheme
- “Basemap”
- 1:1million

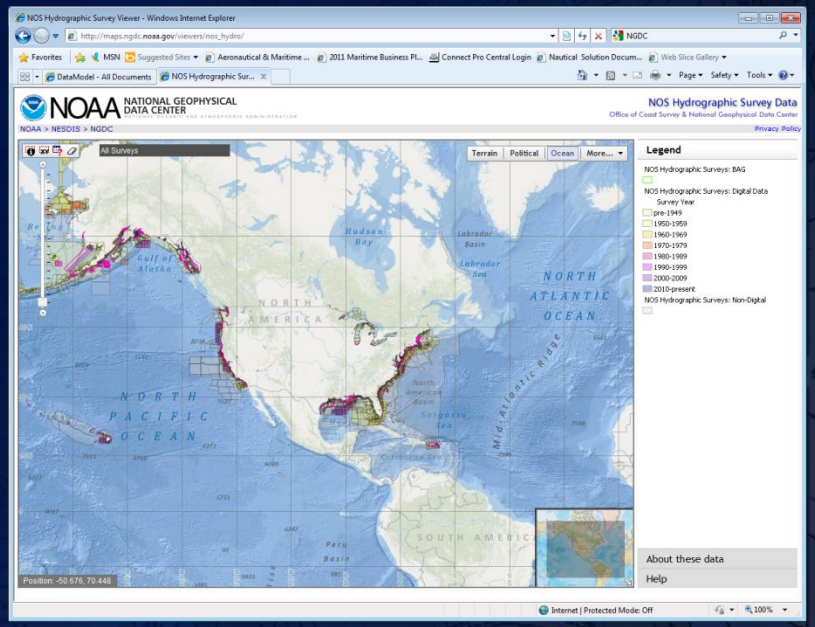
Ocean Basemap – Current Architecture



Usage



http://maps.ngdc.noaa.gov/viewers/bathymetry/

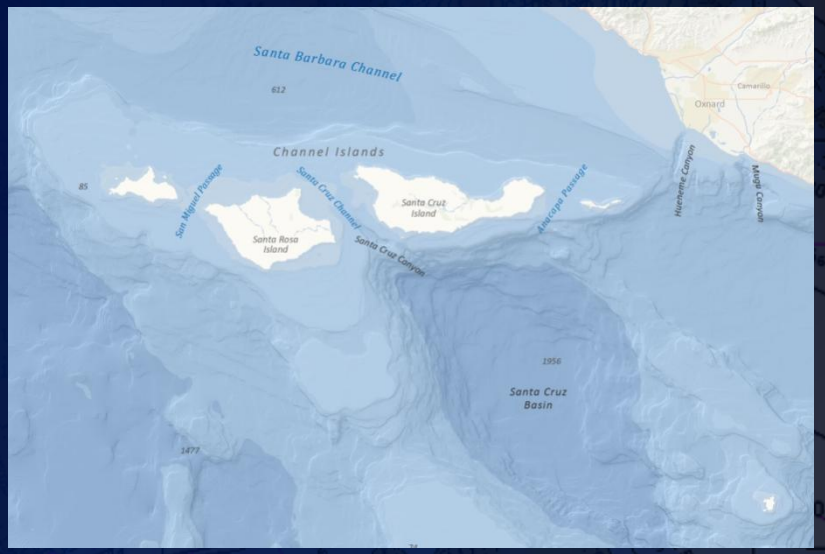


http://maps.ngdc.noaa.gov/viewers/nos_hydro/

Coming soon…. NOAA Multipurpose Marine Cadastre, Ocean Health Index, Sea Sketch

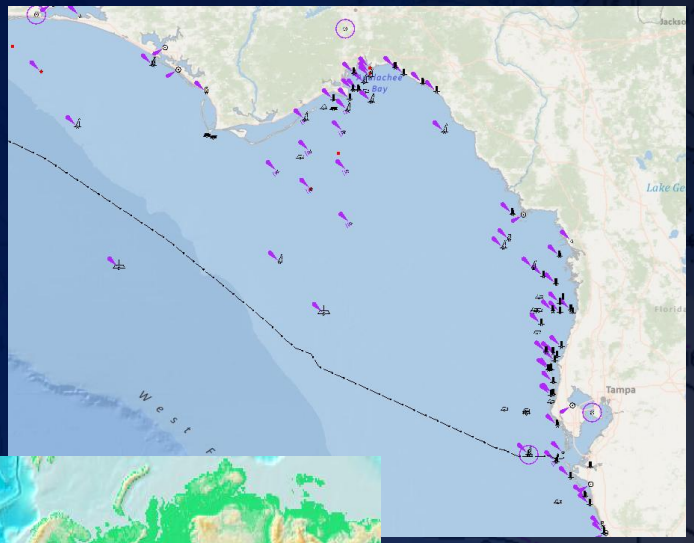
What's coming next….

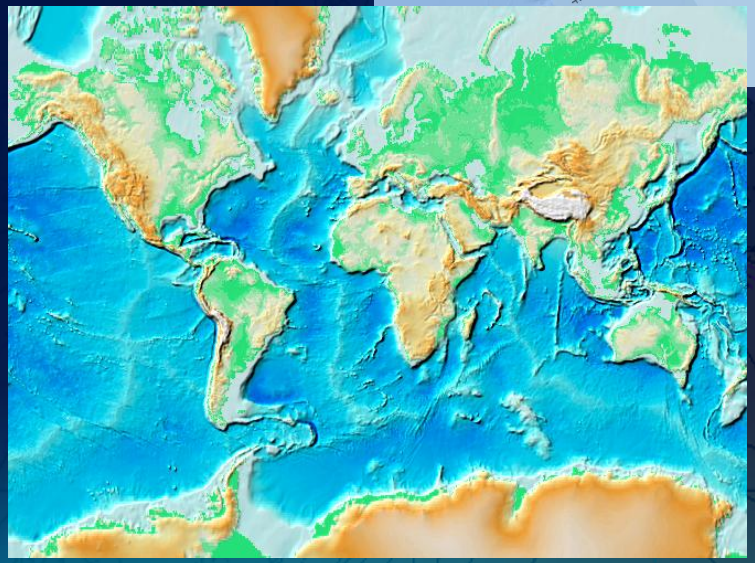
- December Deployment of US down to 1:72K
- World down to 1:577K
- Next year:
  - Design of "Label-less Basemap"
  - More scales
  - More areas



Ocean Content

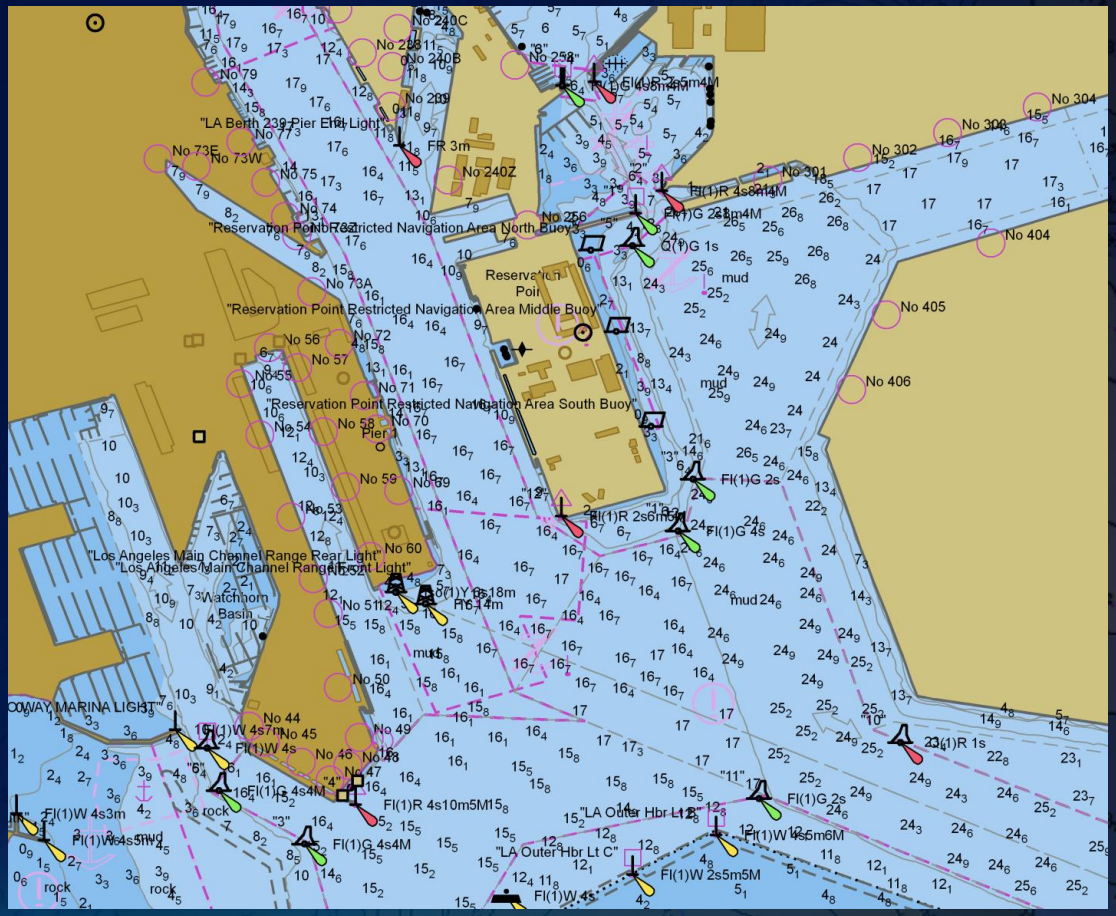
- Operational Overlays
- Elevation Services
- Gazetteer Inclusion



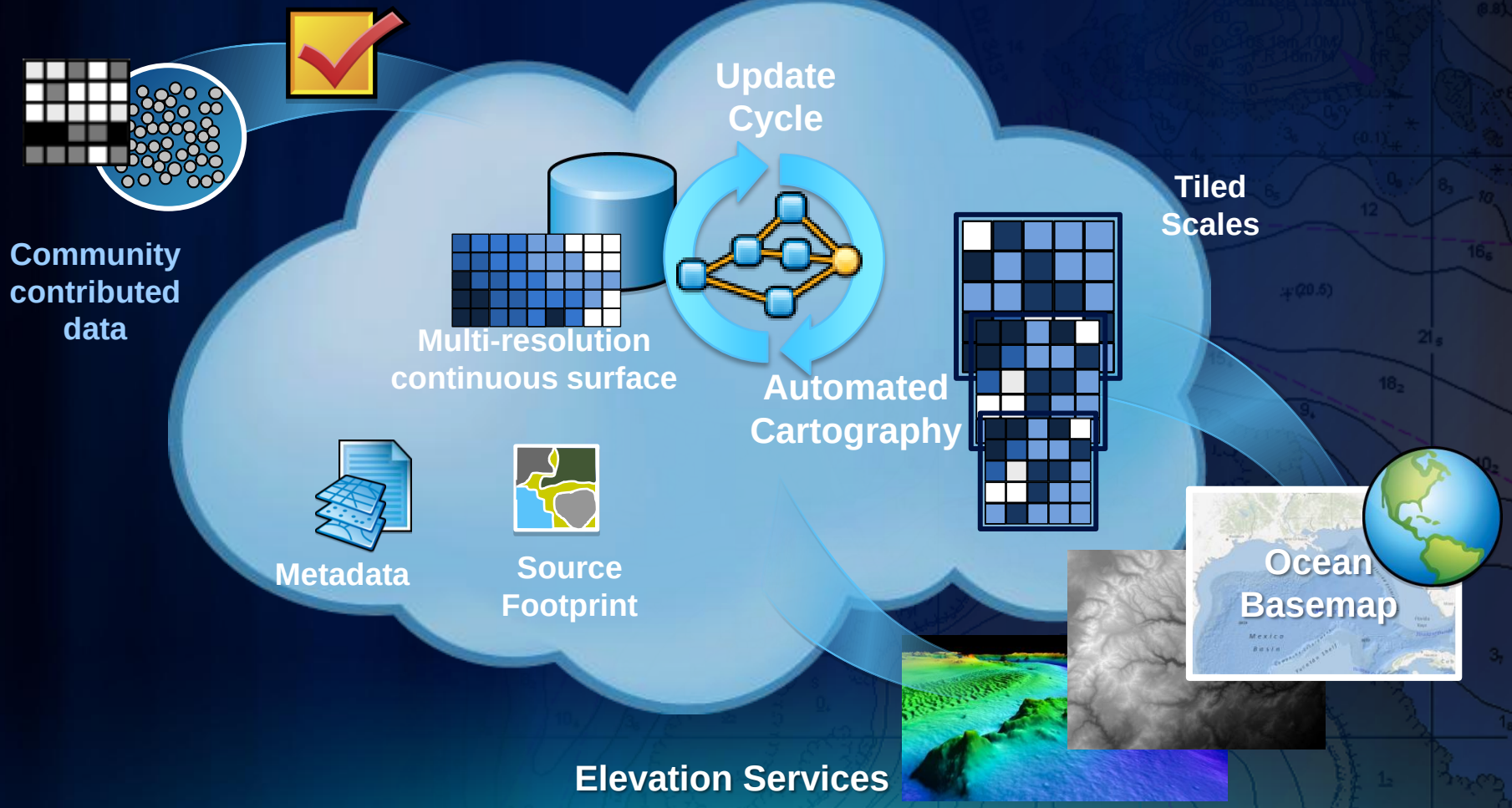


Ocean Content – ‘Maritime Basemap’

- ENC-based cached
- S-52 vs. INT1



Community-based Cloud Services



Demo

http://www.arcgis.com/home/

Ocean Basemap Hyperlink