

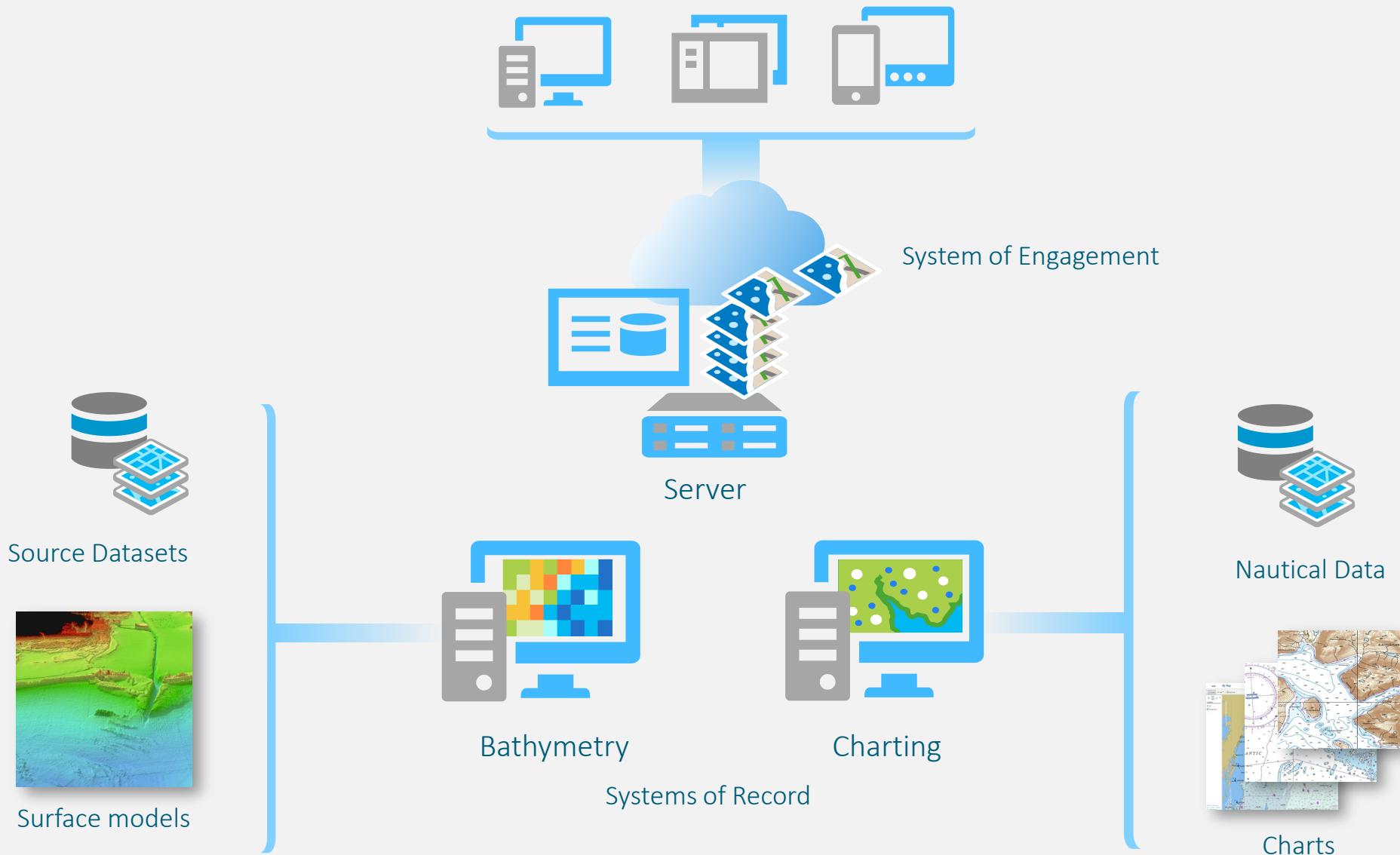


ArcGIS for Maritime

Tom De Puyt | ArcGIS for Maritime | Esri



Maritime products





Technical Highlights



Store once, reuse many times



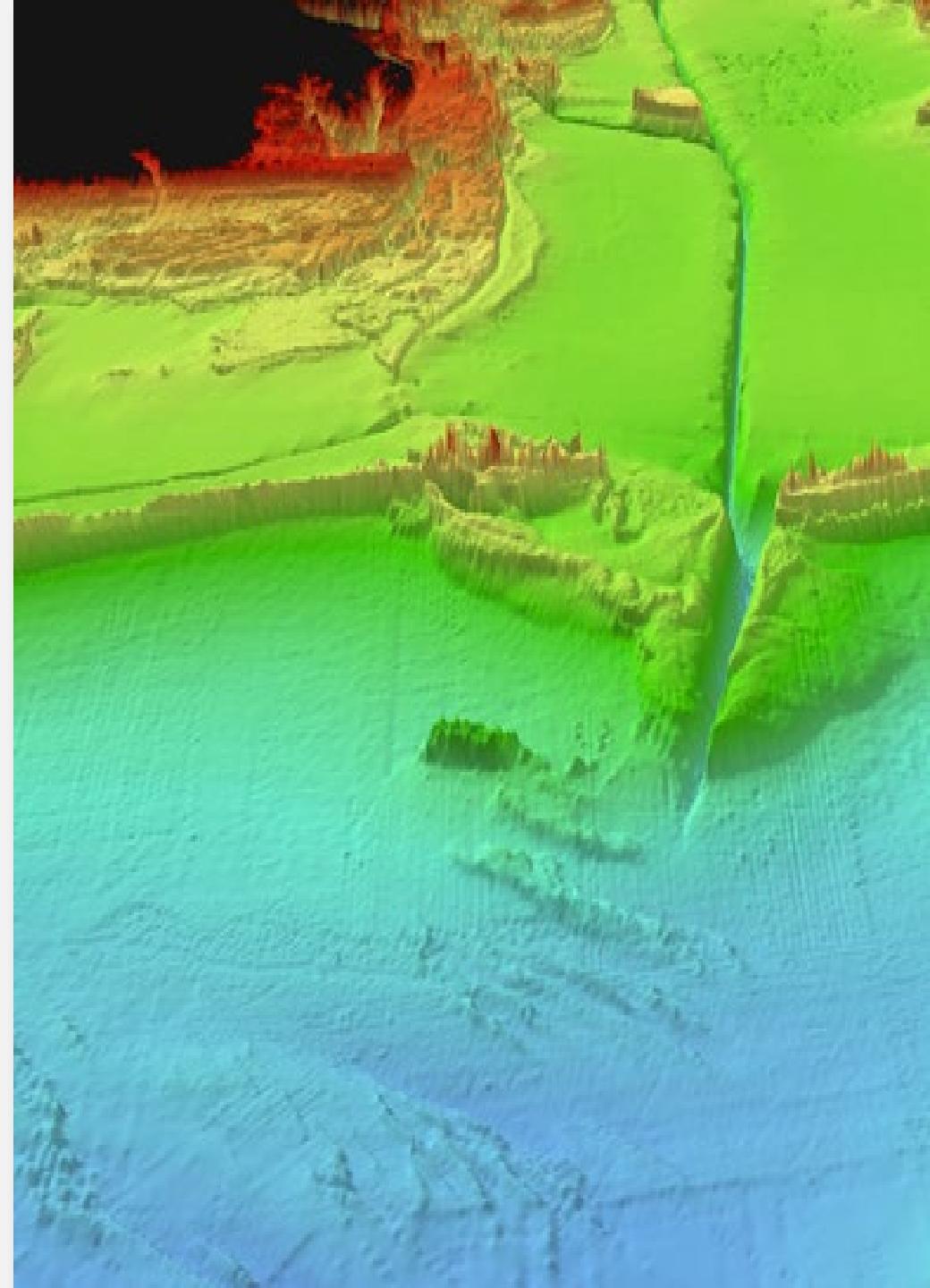
Visualize multi-resolution surfaces



Leverage metadata

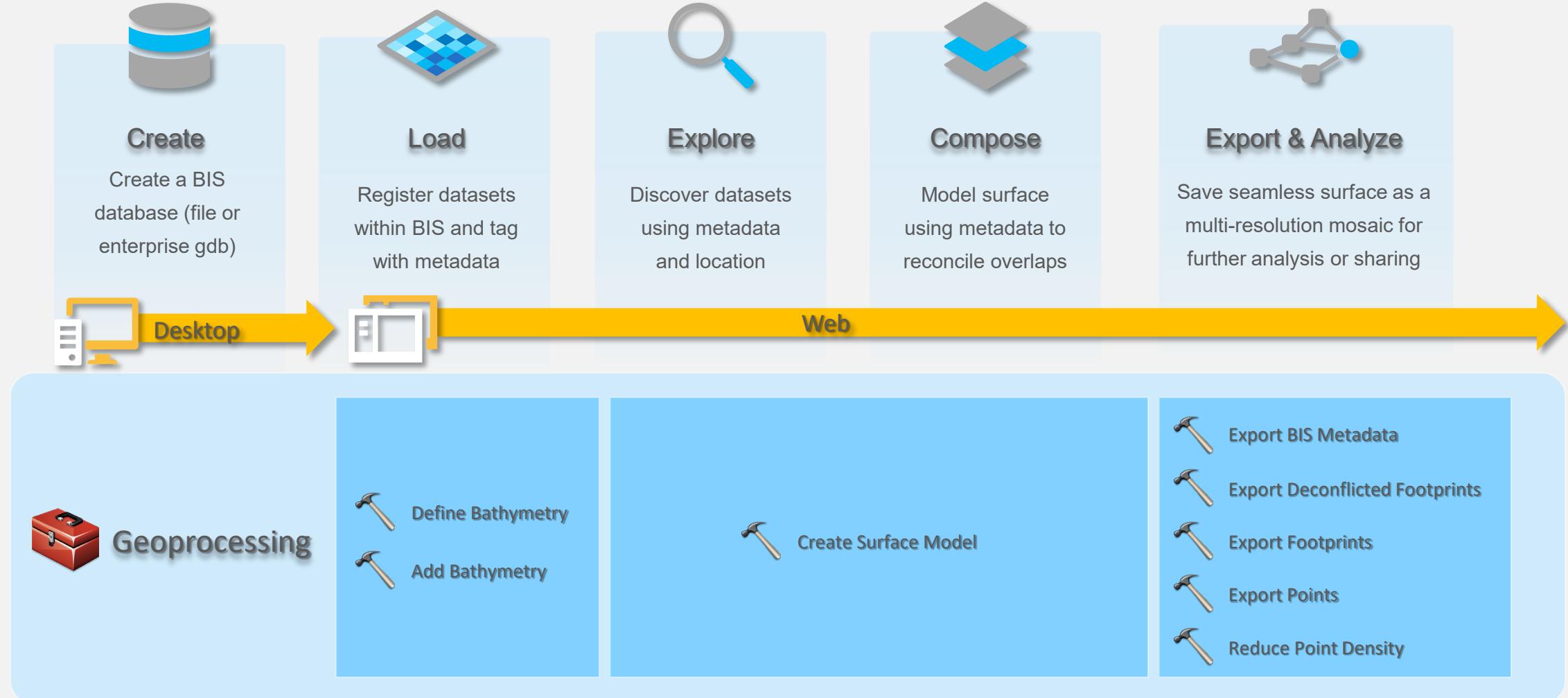


Query and model



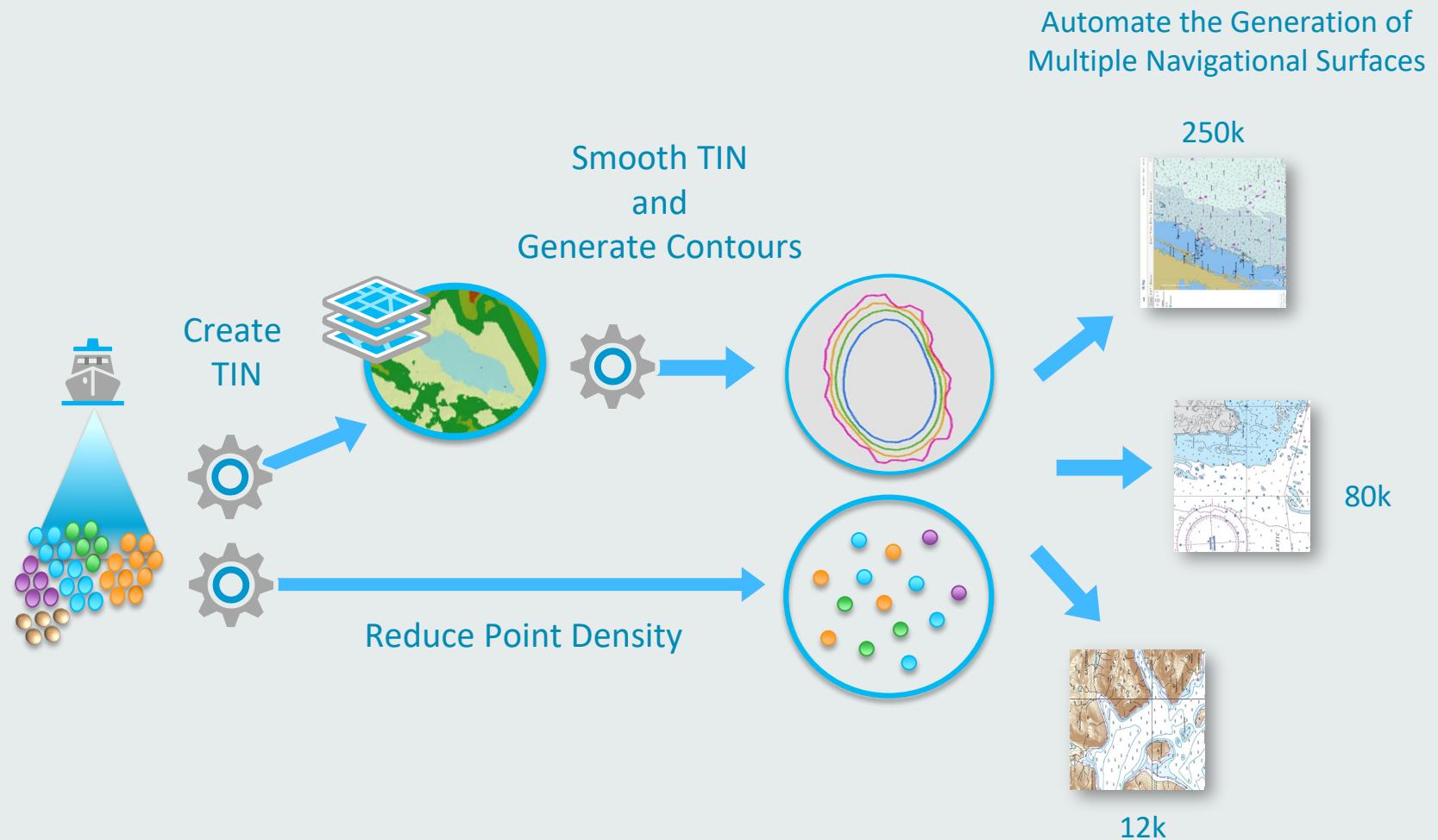


Automate



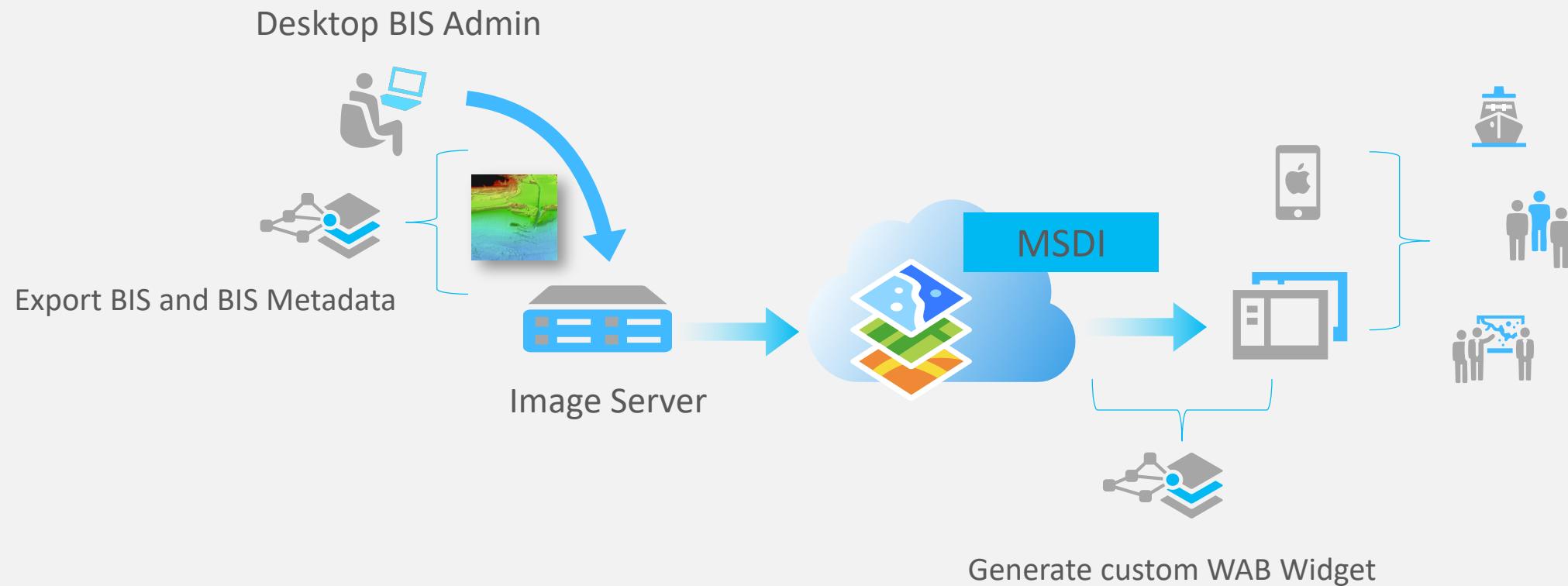


Contours and sounding selection



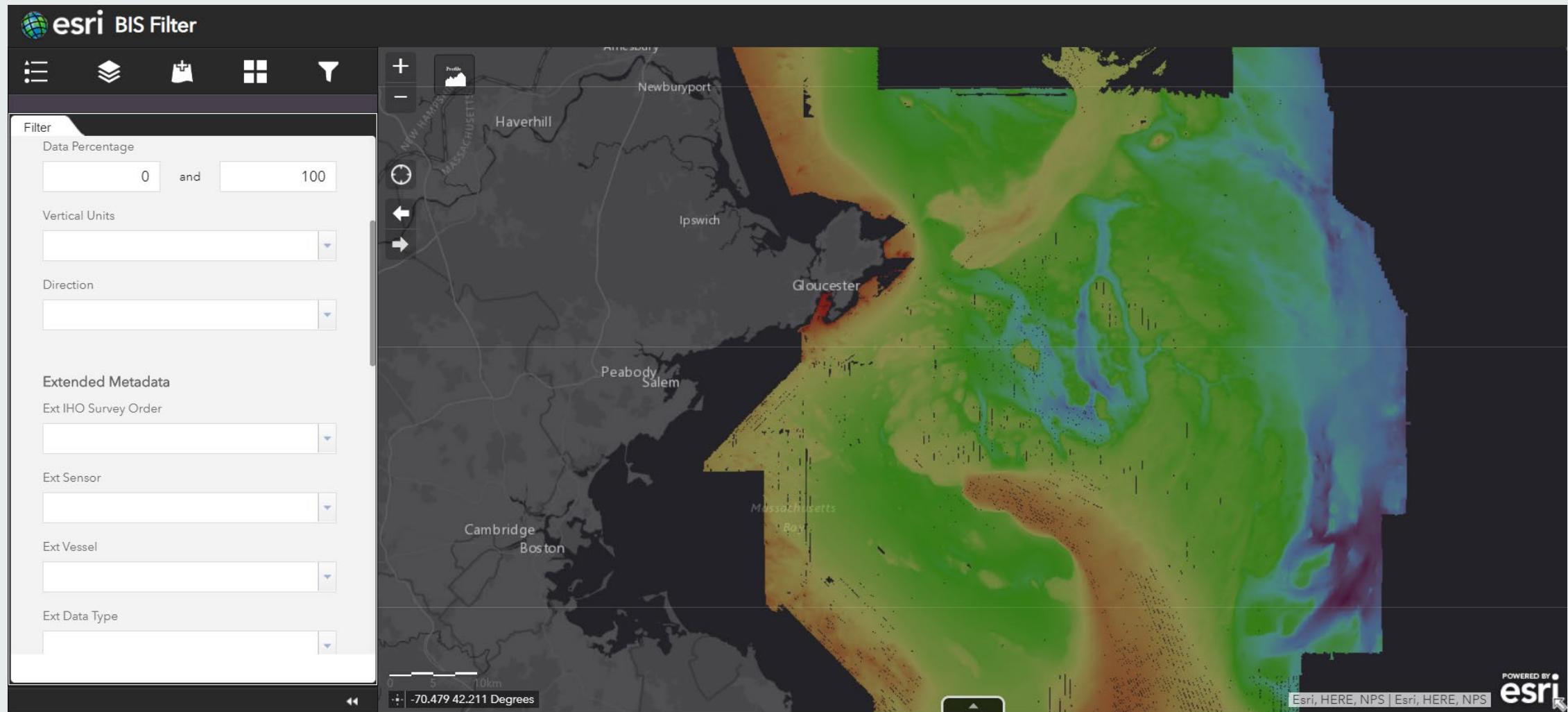
Bathymetry Image Service

Architecture



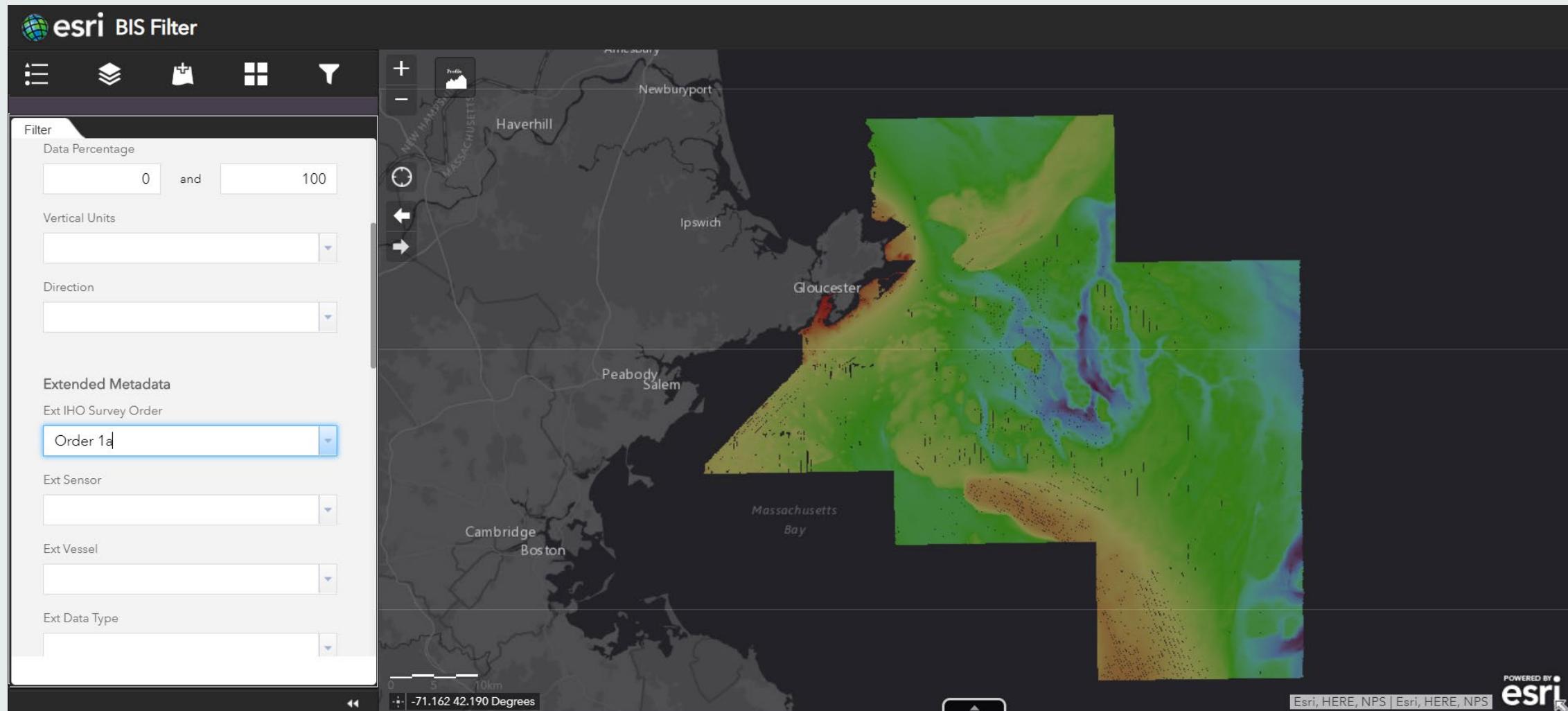
BIS Service

<https://chartondemand.esri.com/Bathy/>



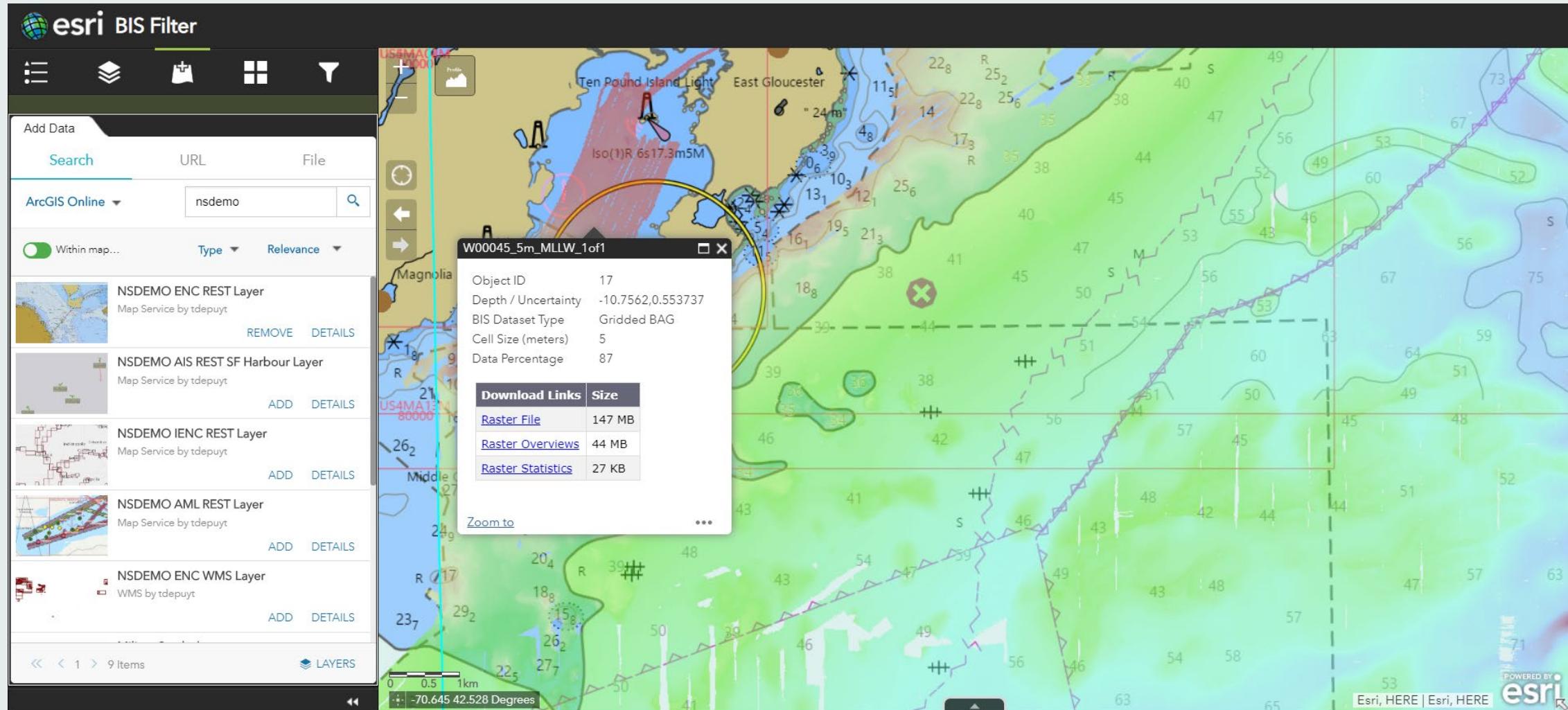
BIS Service

<https://chartondemand.esri.com/Bathy/>



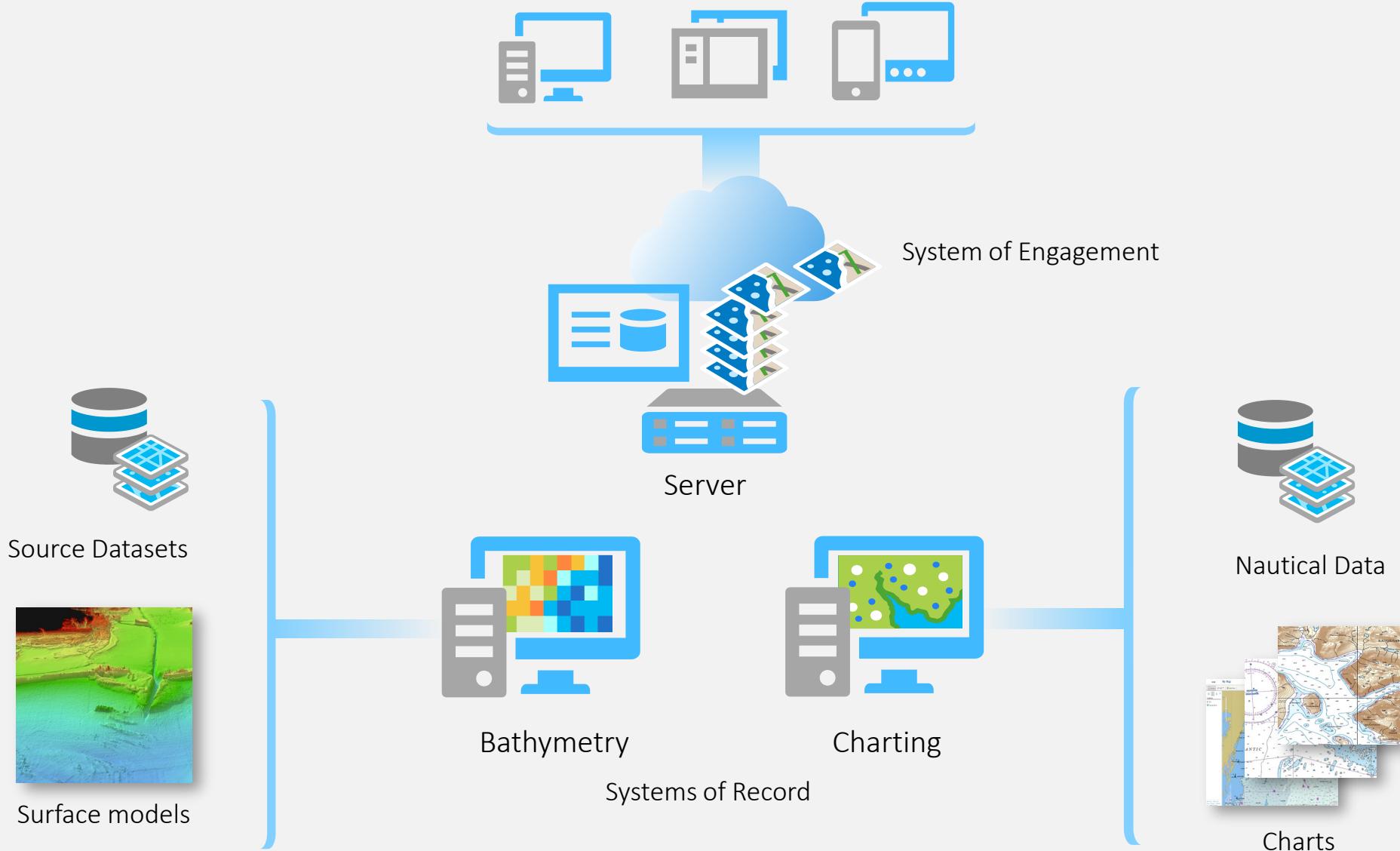
BIS Service

<https://chartondemand.esri.com/Bathy/>





Maritime products





Technical Highlights



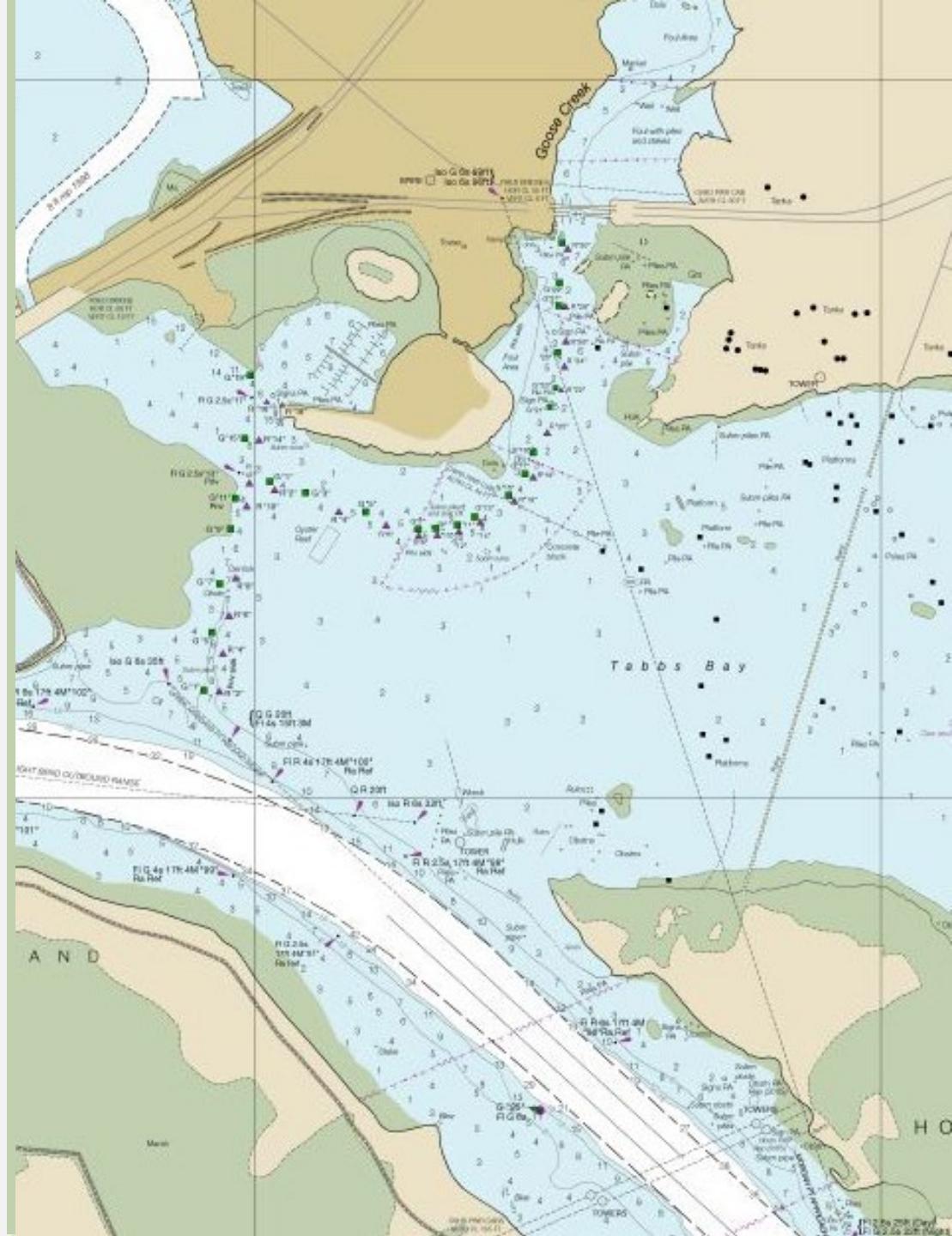
Data-first



Maritime Standards



Automation





Architecture: ArcMap/S-57

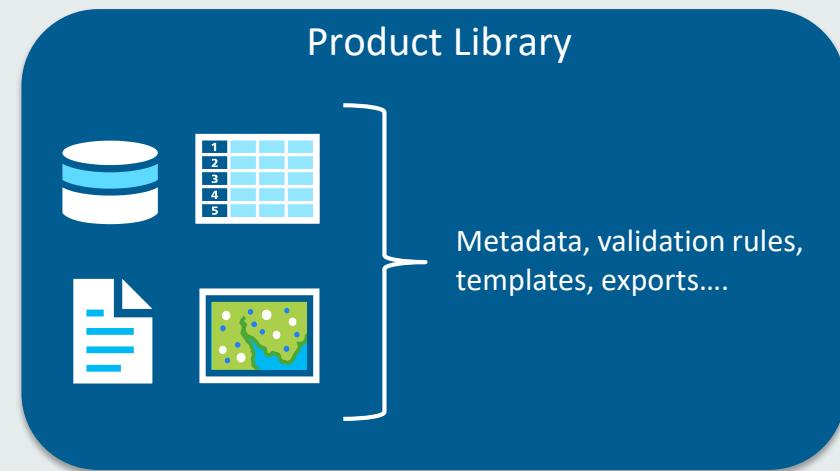
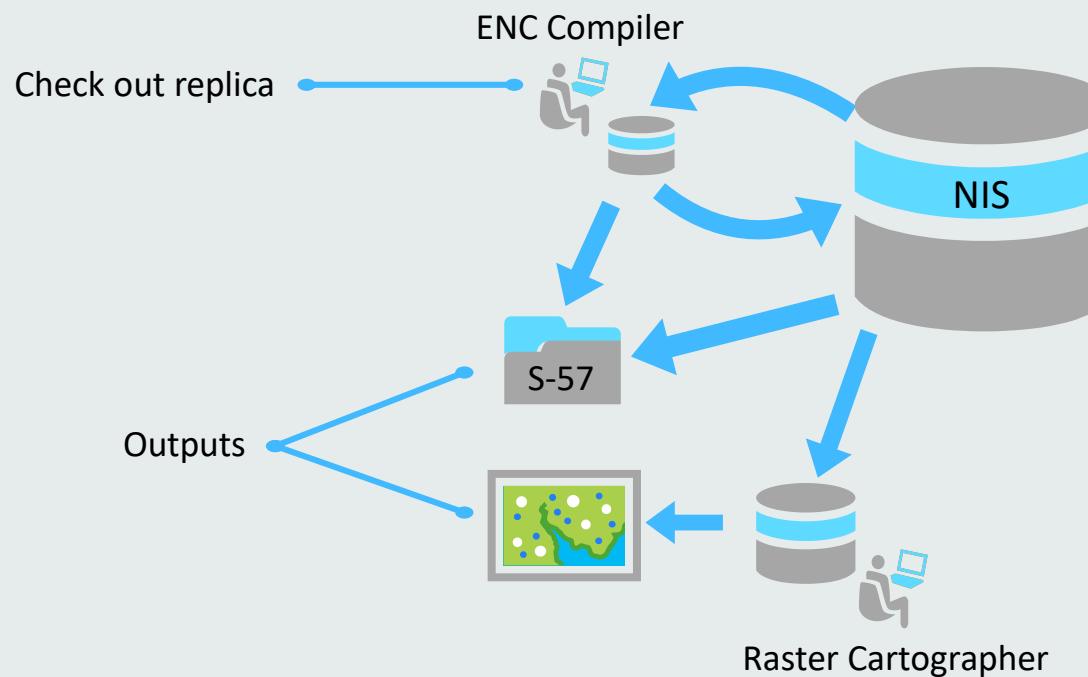
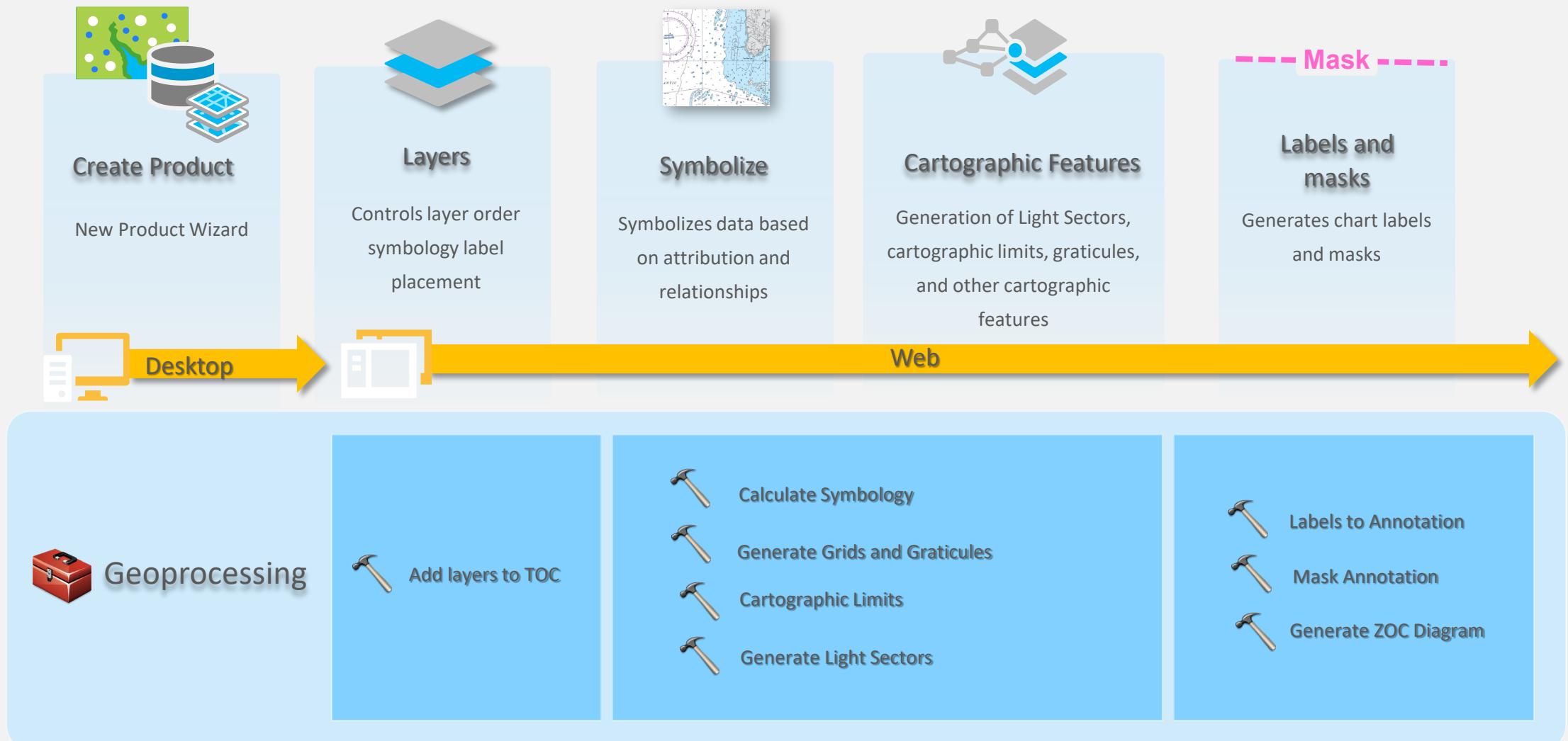
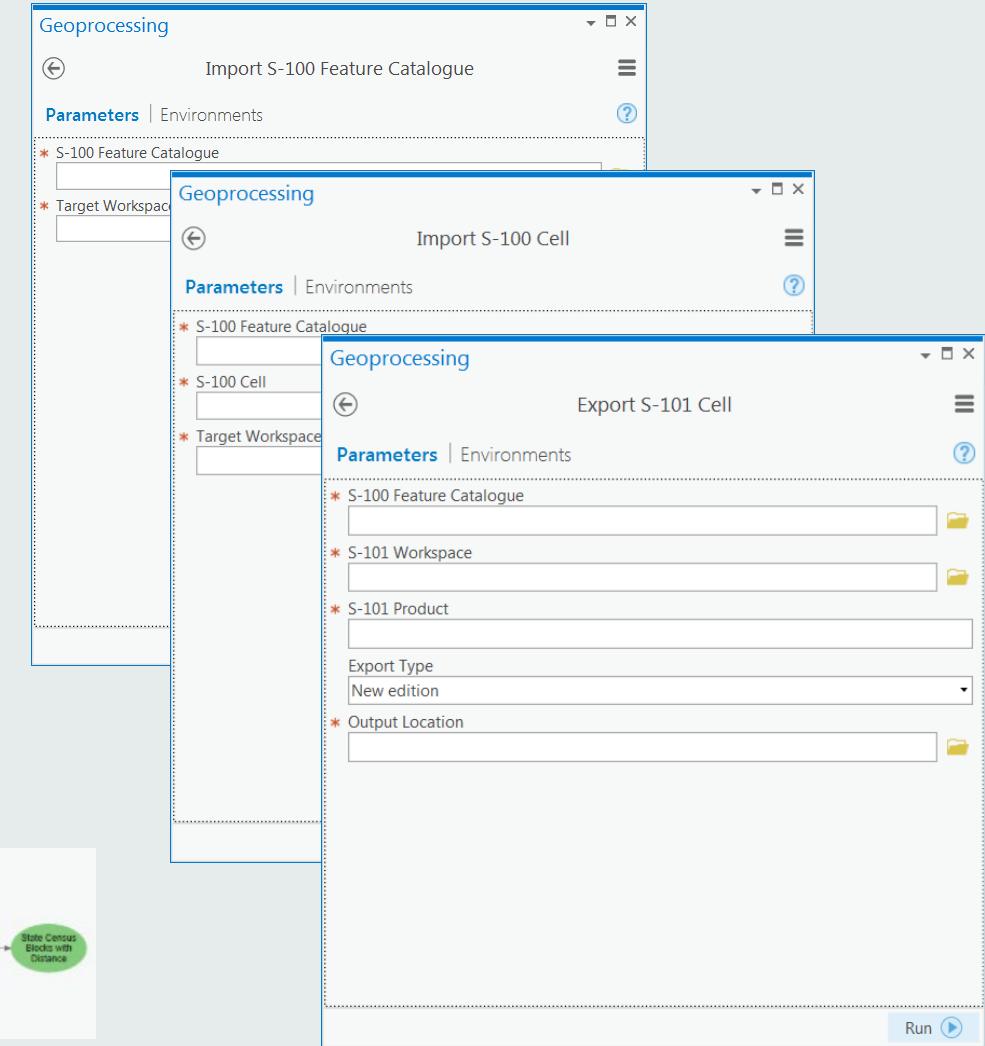
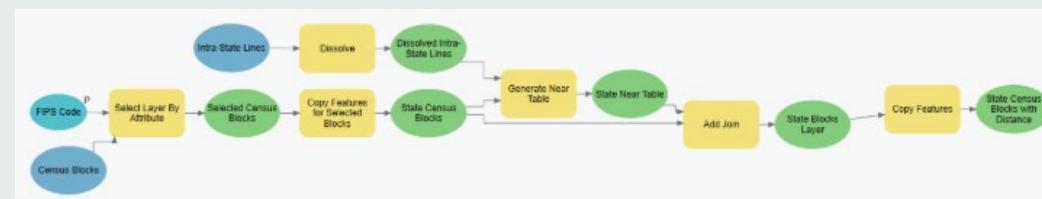
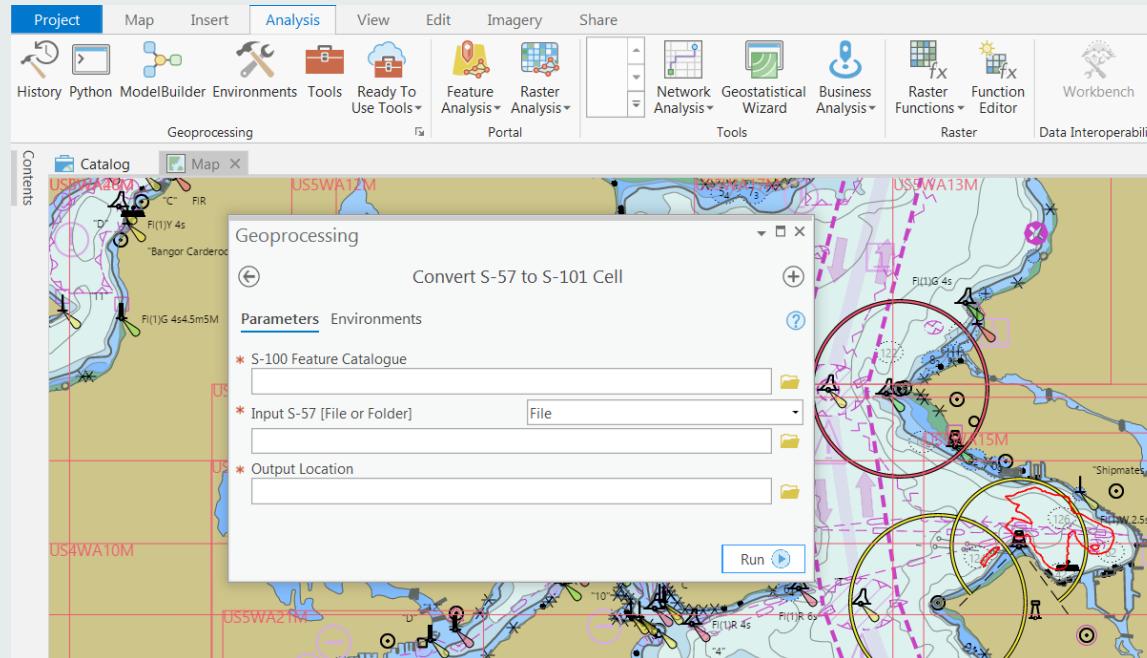


Chart automation

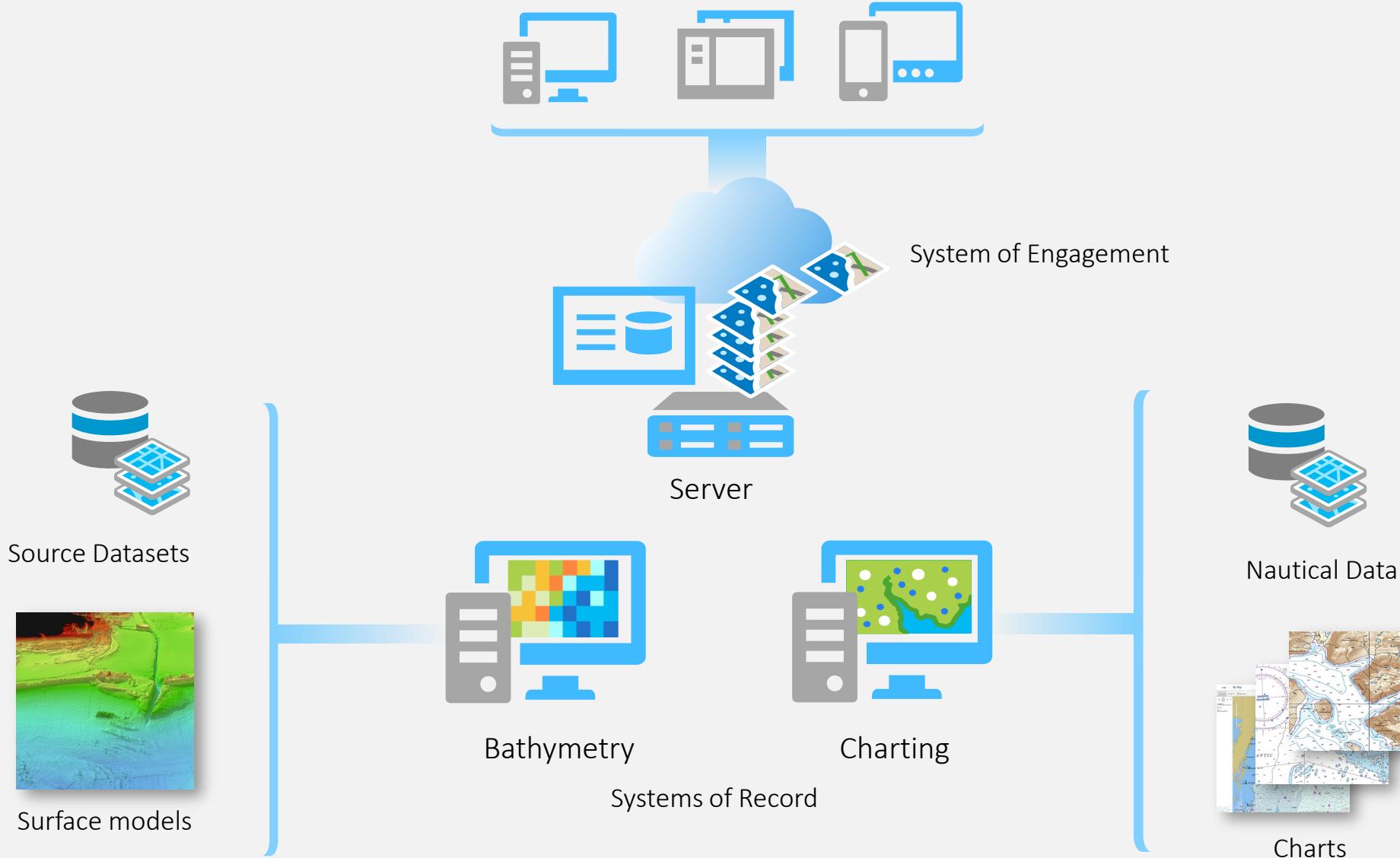


S-100





Maritime products





Technical Highlights



Dissemination of S-57/63 datasets



Web Map Services



ECDIS controls

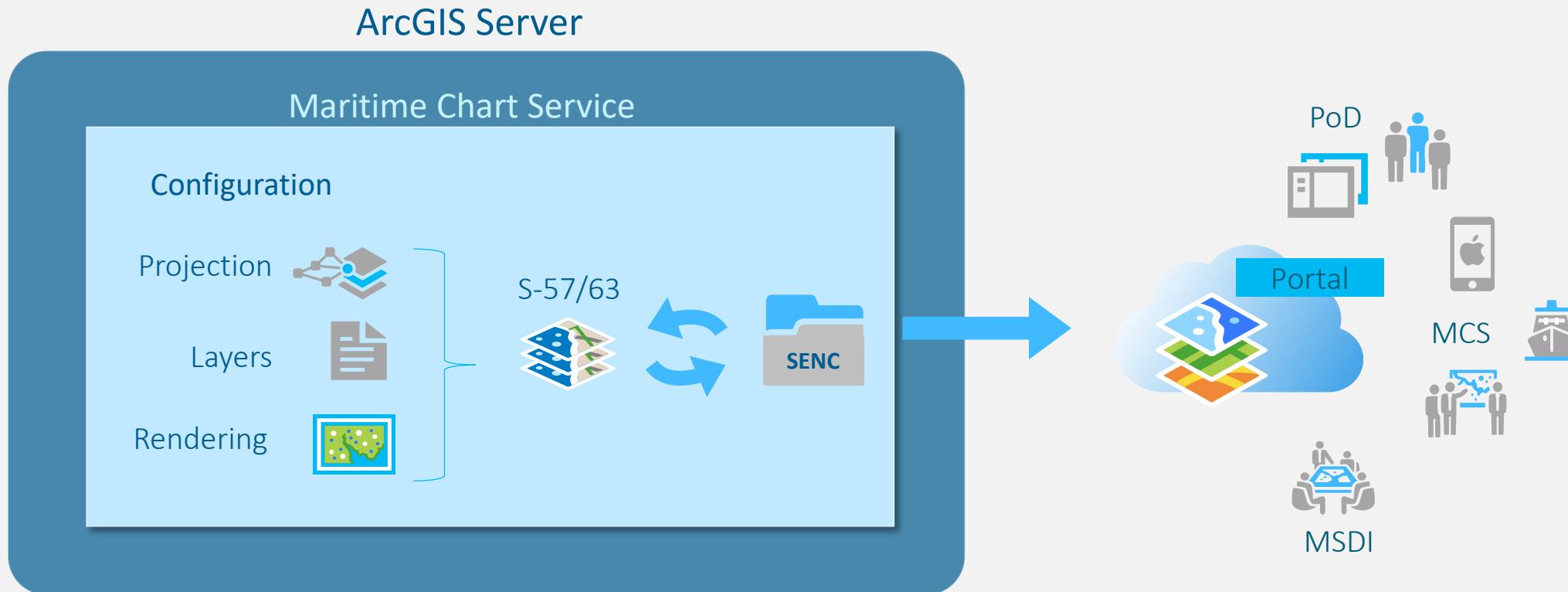


Custom Chart Products



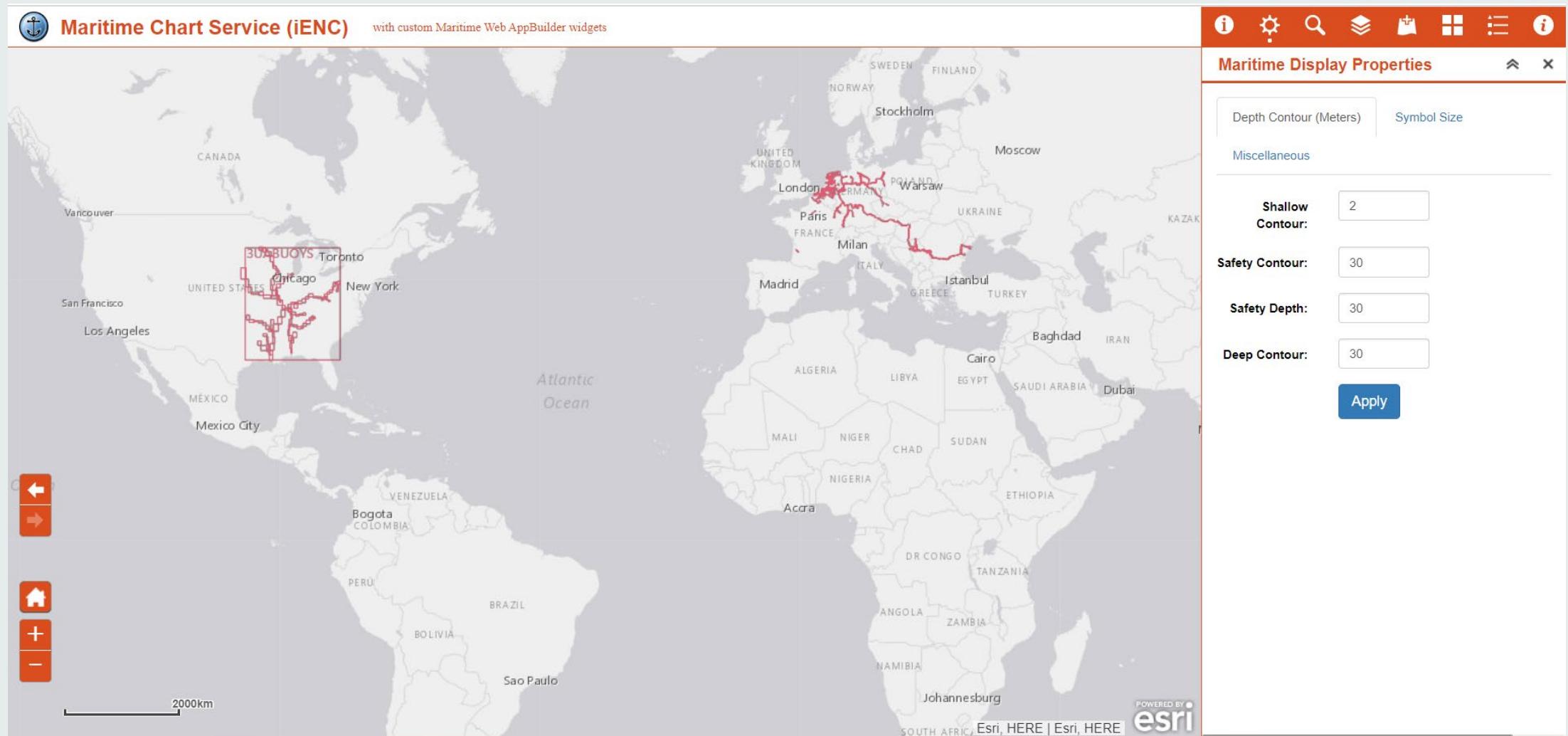


Maritime Chart Service Architecture



Maritime Chart Service

<http://nsdemo.esri.com/demo/wab4mcsenc/>



Maritime Chart Service

<http://nsdemo.esri.com/demo/wab4mcsienc/>

The screenshot shows a maritime chart service interface. On the left is a nautical chart of a river area with brown land and blue water. A dashed magenta line highlights a specific stretch of the river. A callout bubble labeled "FIG 6s (priv)" points to a bridge feature. A callout box titled "Identify Results (1 of 7)" displays details for feature U37OH001:

Feature:	bridge
Description:	Bridge
Geometry:	Area
Usage:	River
Compilation Scale:	5000
LNAM:	U3000019161000001
CATBRG:	suspension bridge
HORCLR:	230.1
INFORM:	Primary Navigation Span. Vertical 6
PICREP:	U3OH000801.JPG

On the right is a red-themed ArcGIS Web AppBuilder interface with an "Add Data" panel showing various image services like Terrain, USA NAIP Imagery, and Sentinel-2 Views.

Maritime Chart Service

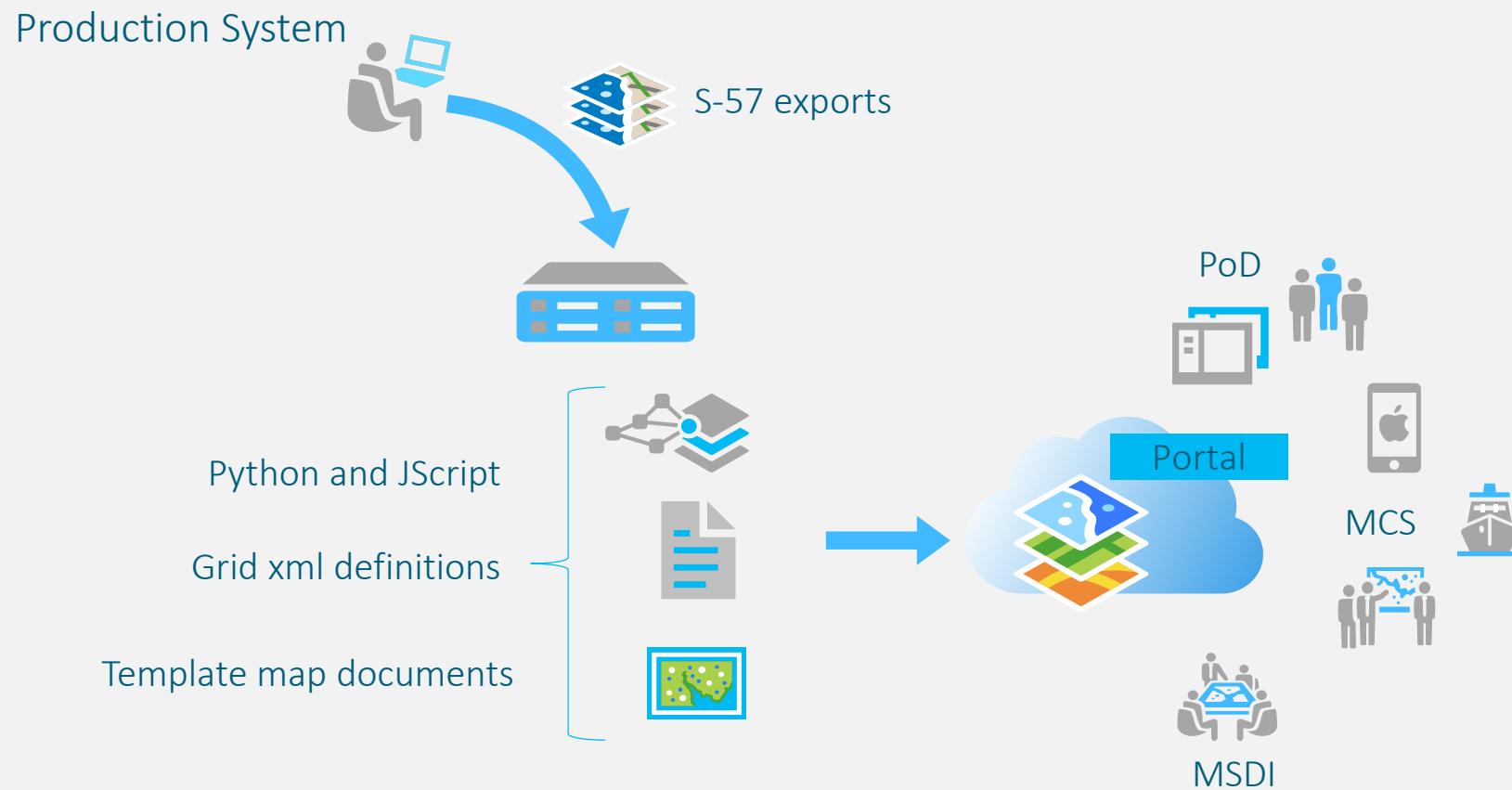
<http://nsdemo.esri.com/demo/wab4mcsienc/>

Maritime Chart Service (ENC) with custom Maritime Web AppBuilder widgets

Basemap Gallery

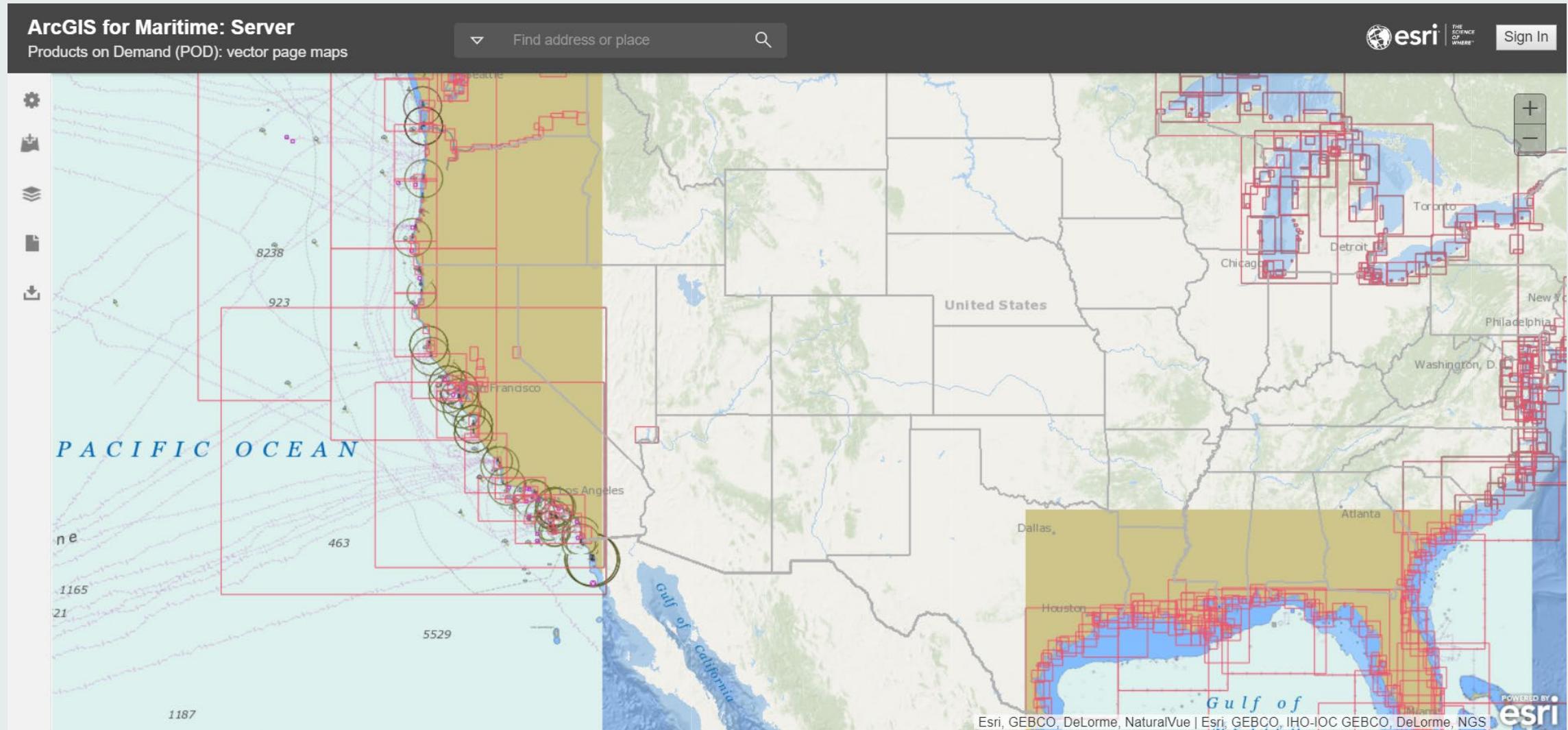
Products on Demand

Architecture



Maritime Server: Products on Demand

<https://chartondemand.esri.com/ipod/>



Maritime Server: Products on Demand

<https://chartondemand.esri.com/ipod/>

Display Settings

Depth Contour (Mete)

Data extents:

Display frame text:

Display frame text placement:

Colour scheme:

Depth units:

Area symbolization:

Attribute Description:

Compass rose:

Layers

- Levee Gates - CIMS.CIMSWEB.LeveeGates
- USACE_Buoys_Service - LATERAL_BUOY
- FixedProductExtent
- World_Ocean_Reference
- SampleWorldCities
 - Information about the chart display
 - Natural and man-made features, port features
 - Depths, currents, etc
 - Seabed, obstructions, pipelines
 - Traffic routes
 - Special areas
 - Buoys, beacons, lights, fog signals, radar
 - Services and small craft facilities
 - Data quality
 - Low accuracy

EB-63 - Open

St. Ferdinand St.

Gate type: RAILROAD FLOODGATE
Sub type: Swing Gate

RDB Statute mile 94.8

Orleans Levee District
Evacuation Route: No

Zoom to

Print Properties

Custom Product

Fixed Product

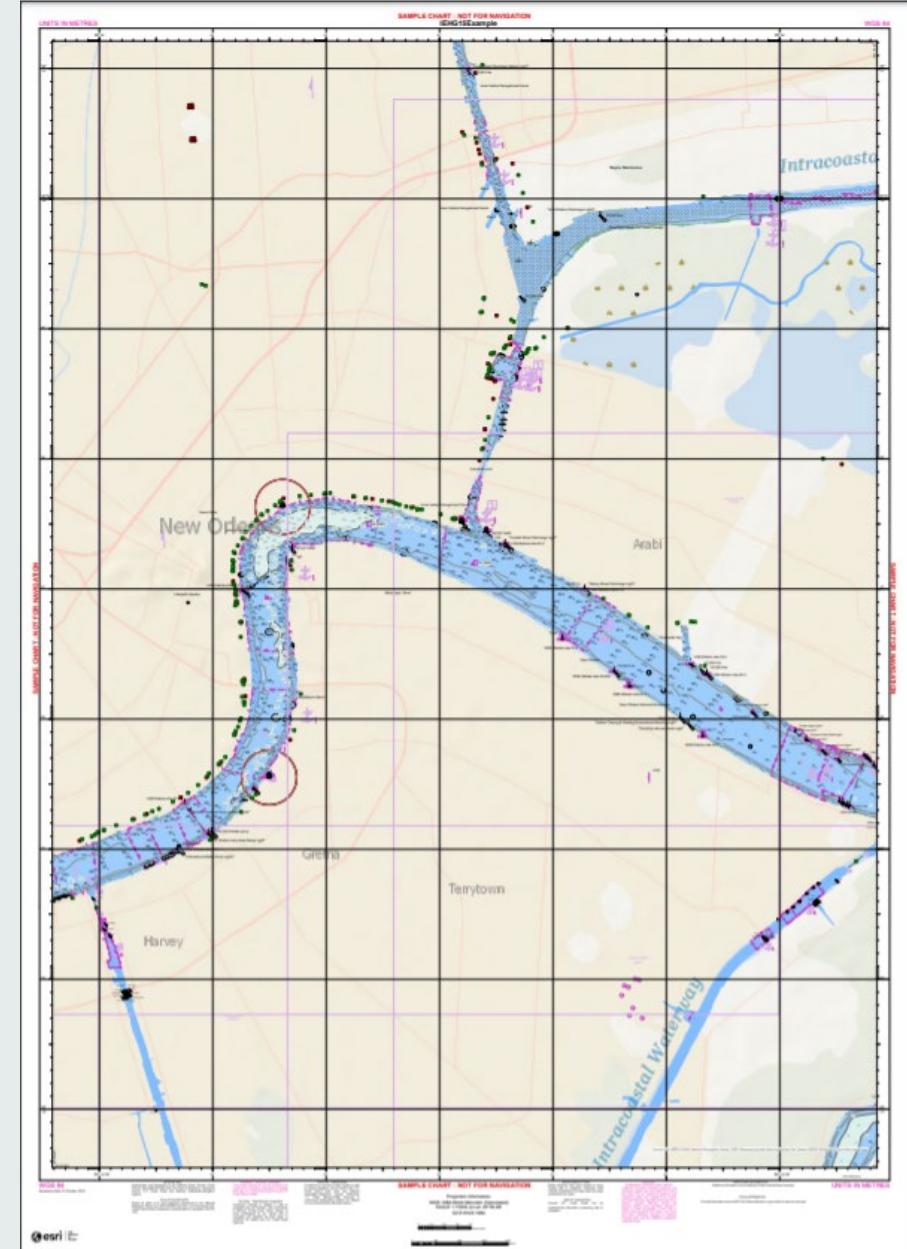
Scale: 15000

Page Size: A0 (841mm x 1189mm) with notes

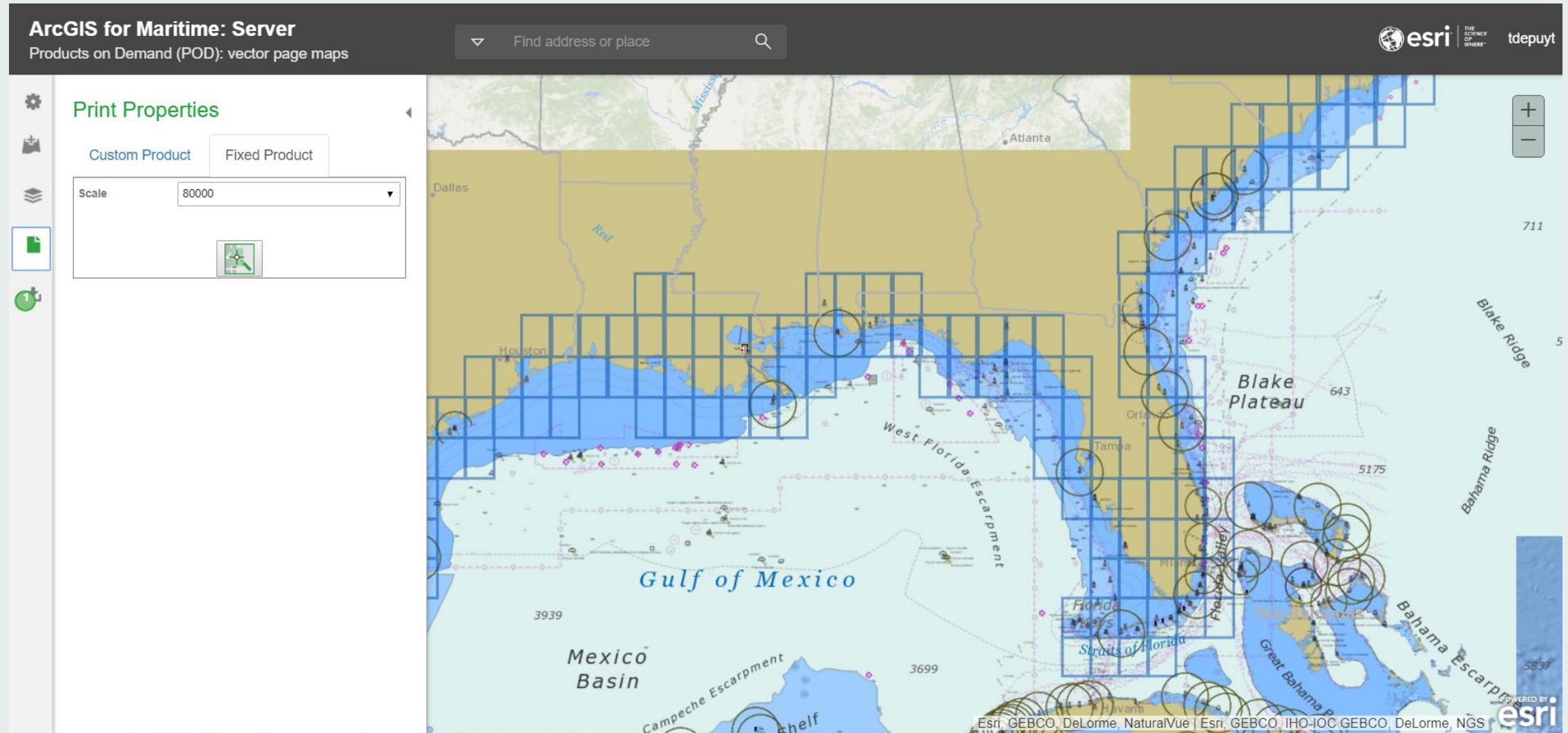
Orientation: Portrait

Maritime Server: Products on Demand

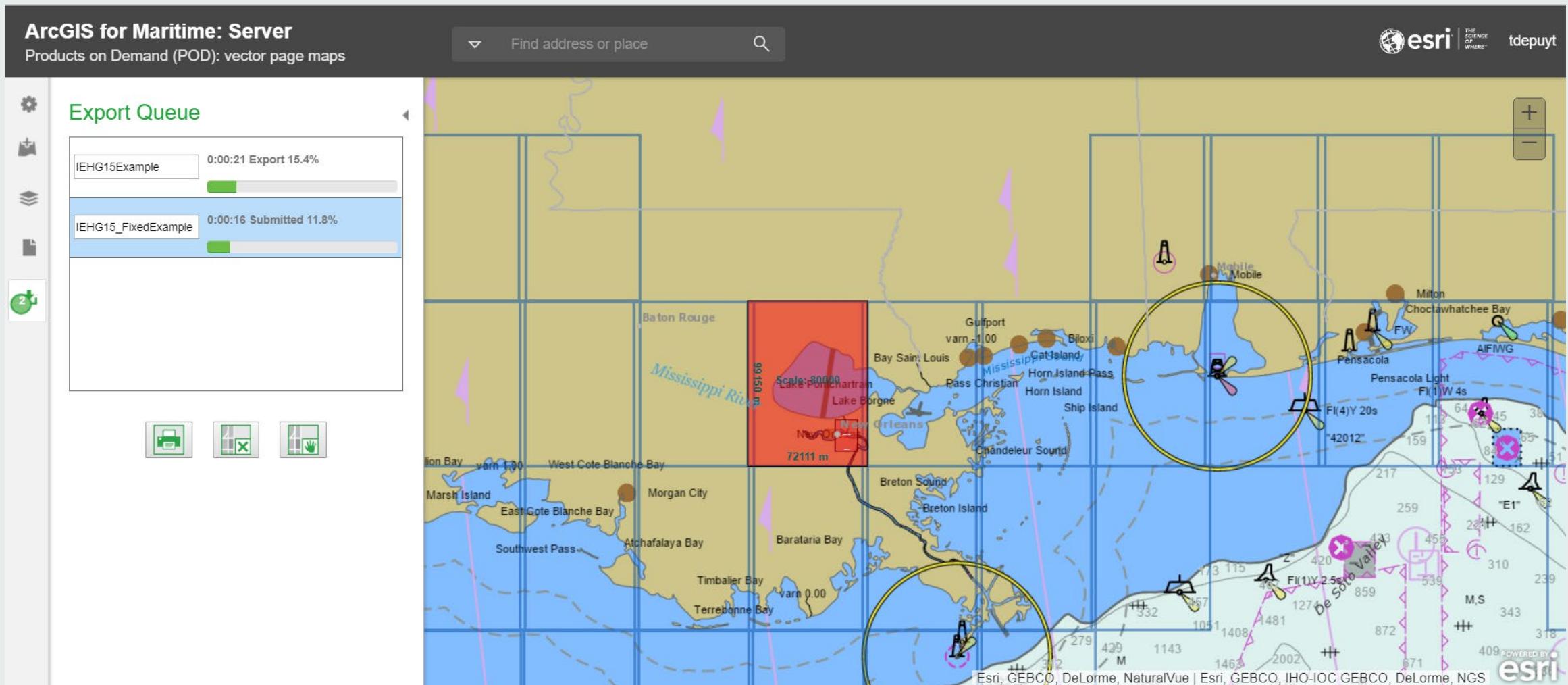
<https://chartondemand.esri.com/ipod/>



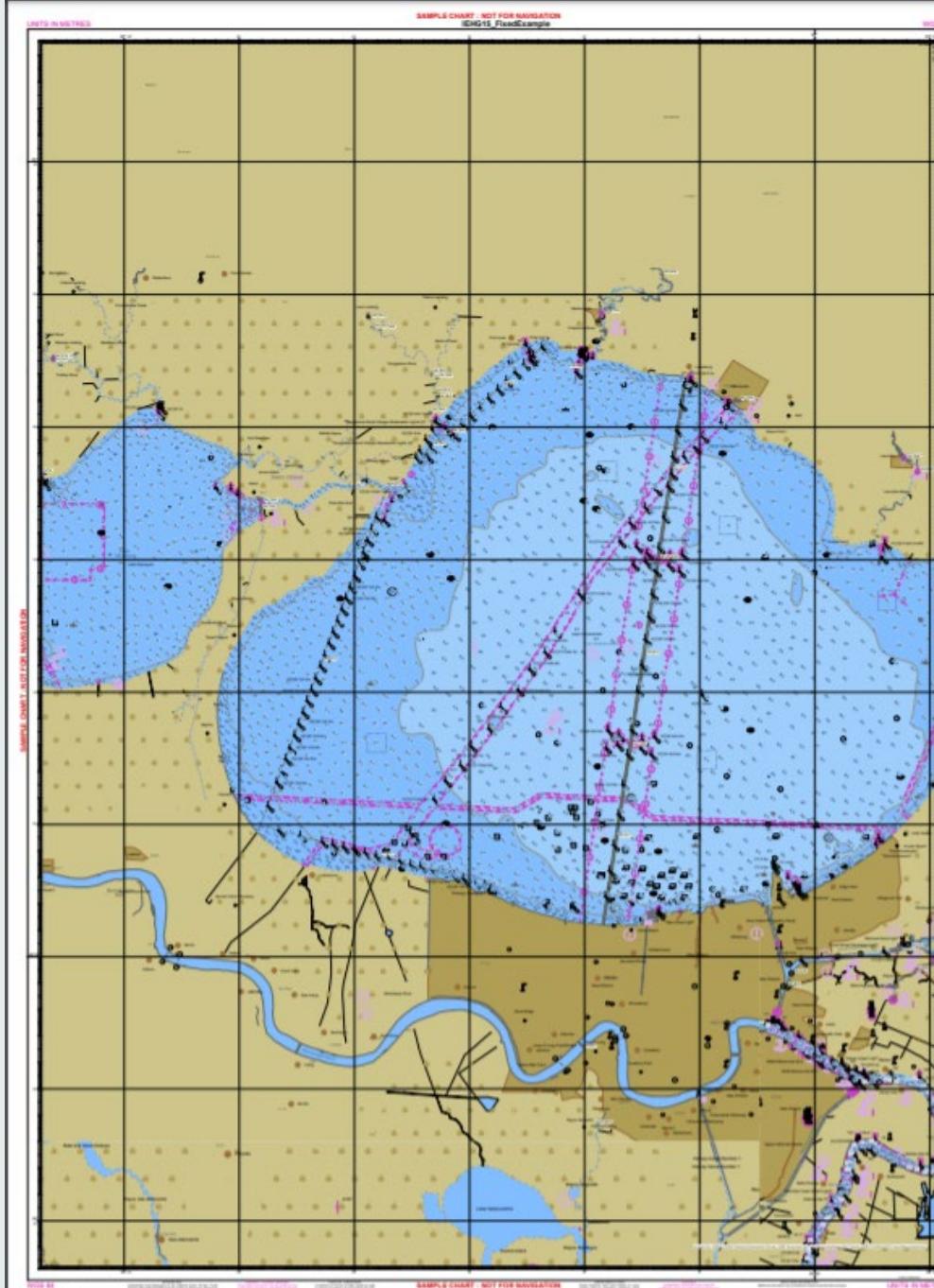
Fixed Area of Interest



Fixed Area of Interest



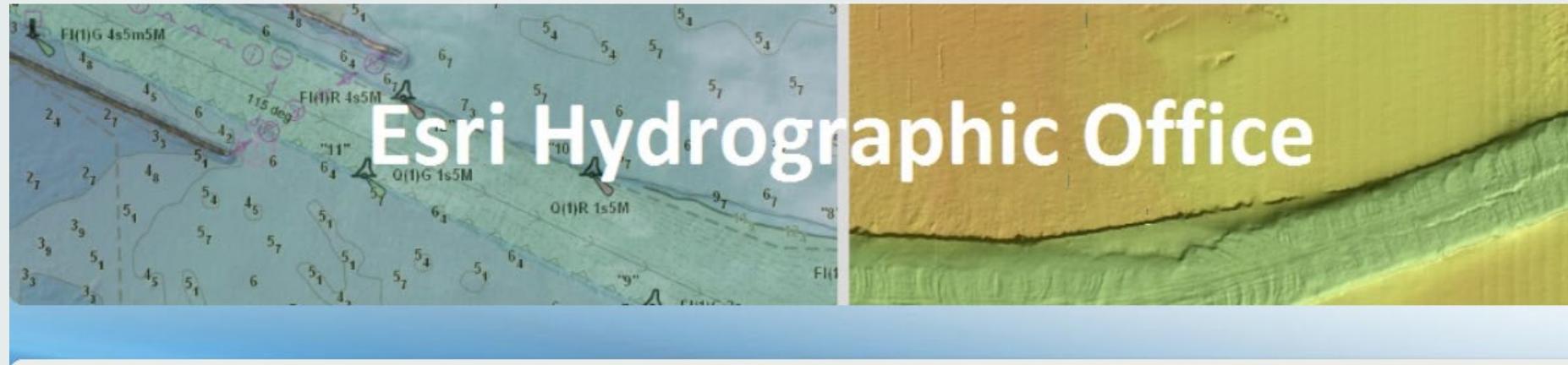
Fixed Area of Interest





ArcGIS Online Maritime Product Support

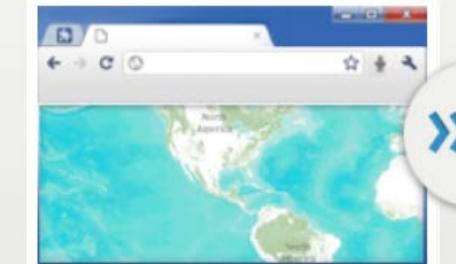
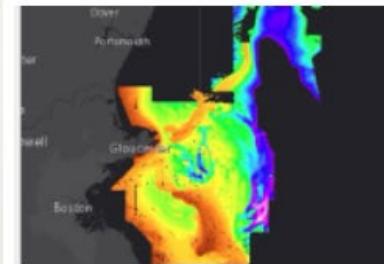
<http://esriho.maps.arcgis.com/home/index.html>



Featured Maps and Apps

ArcGIS for Maritime Product Support

This thumbnail features a large blue anchor icon inside a white circle, with a red border around the entire box. It represents a maritime product support application.





Thank you

Maritime ArcGIS Online Organization
<http://esriho.maps.arcgis.com/home/index.html>

Maritime GeoNet Page
<https://geonet.esri.com/groups/arcgis-for-maritime>

Contact
maritime@esri.com

