

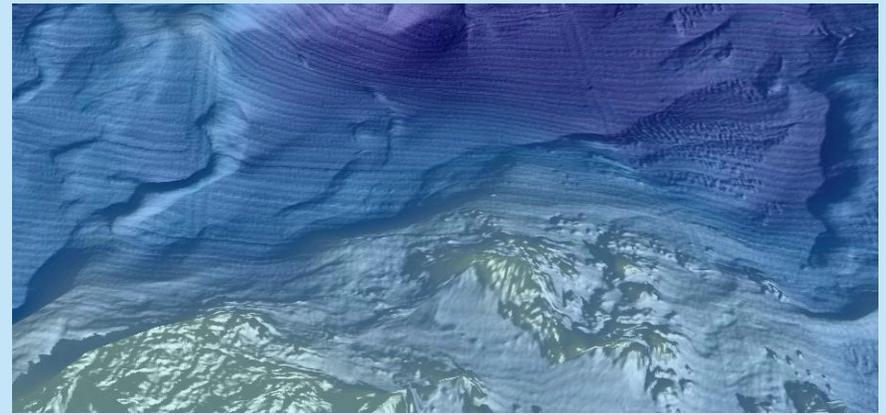
ArcGIS for Maritime: Bathymetry



ArcGIS for Maritime

Charting

Bathymetry



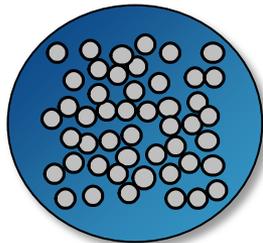
Create, maintain and publish nautical data and charts for navigational and marine purposes.

Store, discover, model and manage bathymetric data.

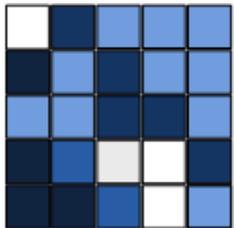
ArcGIS for Maritime: Bathymetry

bathymetry: determination of ocean depths.

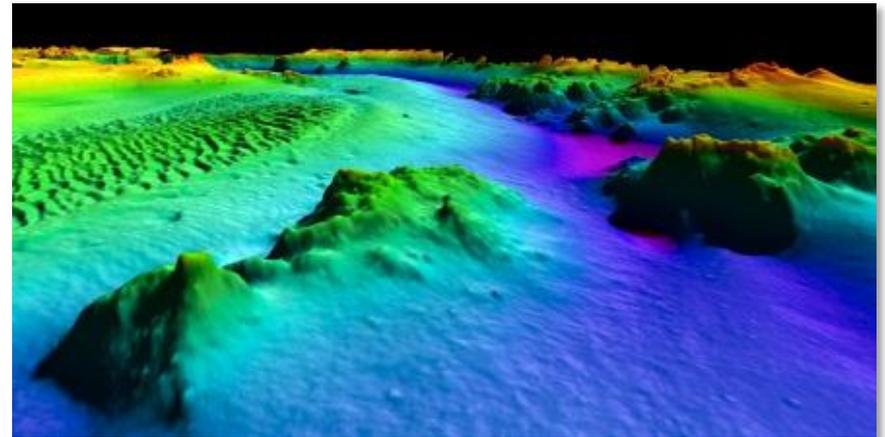
The general configuration of the sea floor as determined by profile analysis of depth data¹.



Vector
(Soundings/Depths)



Gridded
Models/Surfaces



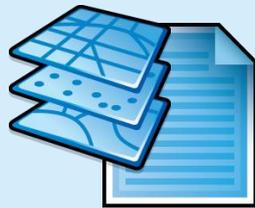
ArcGIS for Maritime: Bathymetry

Business Problem

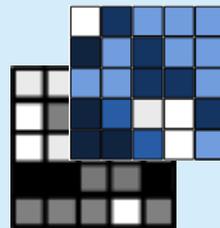
- Large **volumes** of data
- **Unstructured** metadata
- Unable to gain **value** from their data

ArcGIS for Maritime: Bathymetry

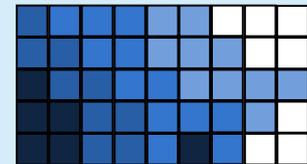
System for the management, discovery and **composite** modeling of bathymetric **data** & **metadata**.



Metadata



**Gridded
Data**



**Composite
Surfaces**

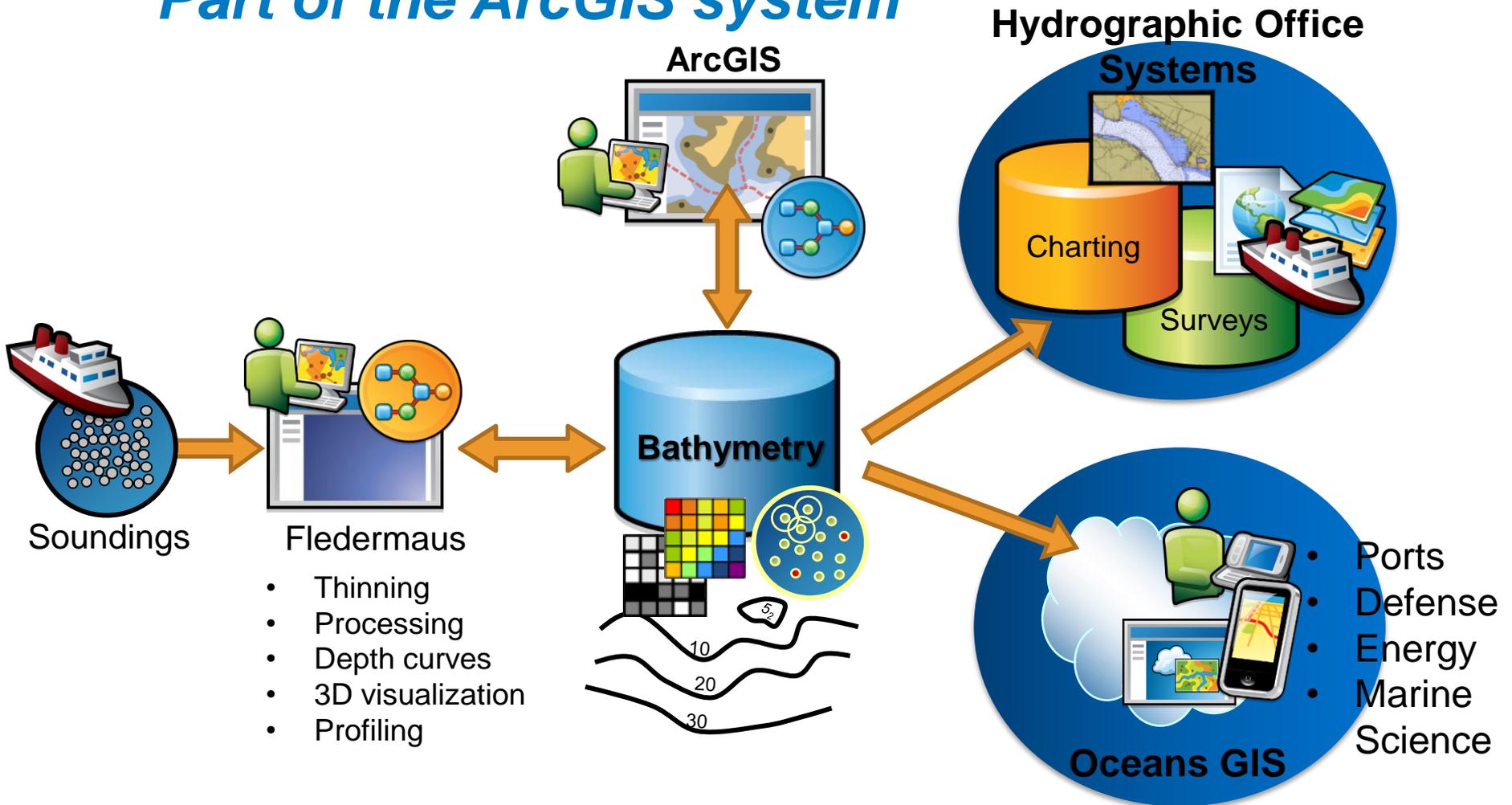
*Intelligent
Metadata*

*Optimized
Storage*

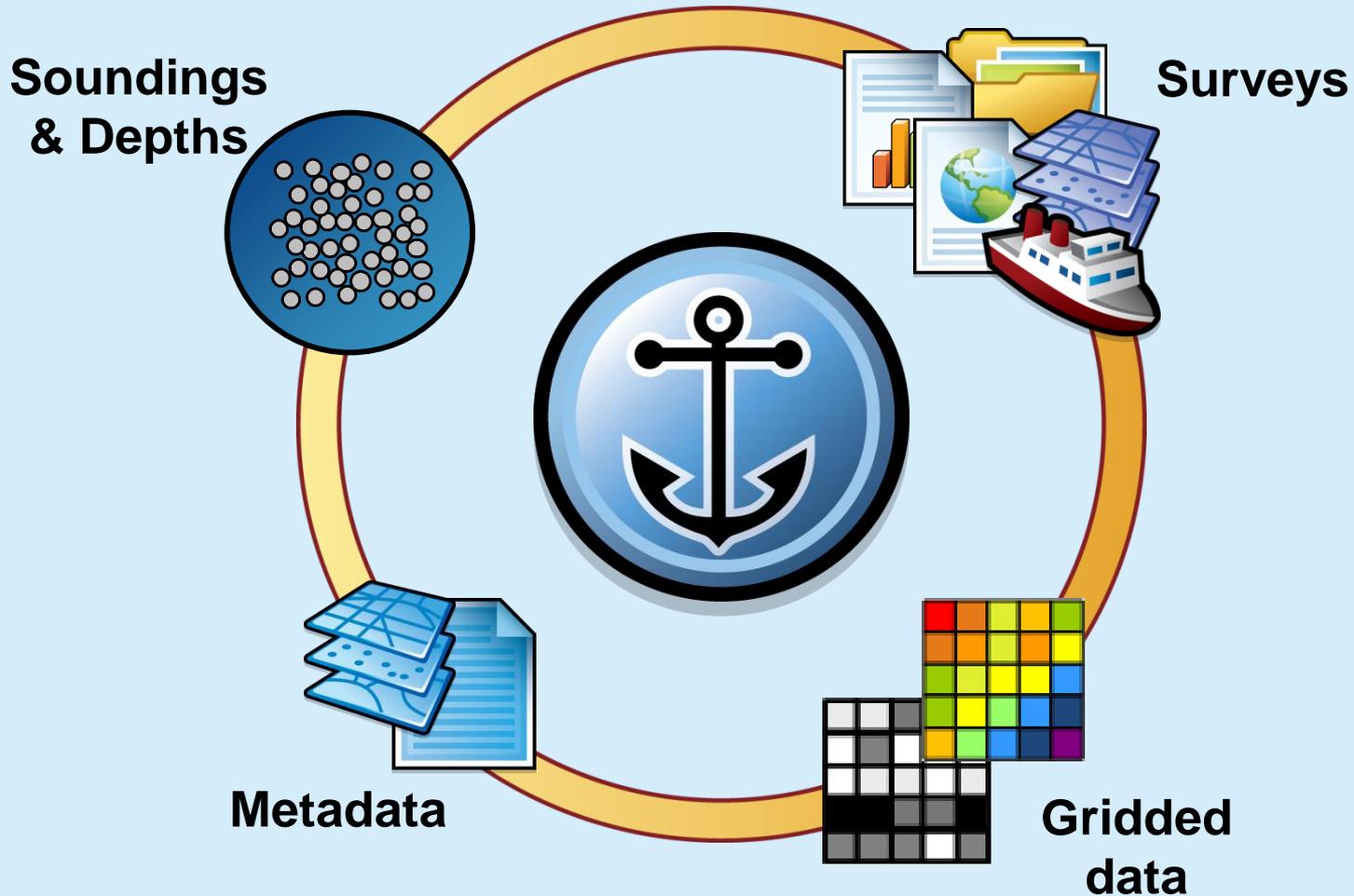
*Interactive
Modeling*

ArcGIS for Maritime: Bathymetry

Part of the ArcGIS system

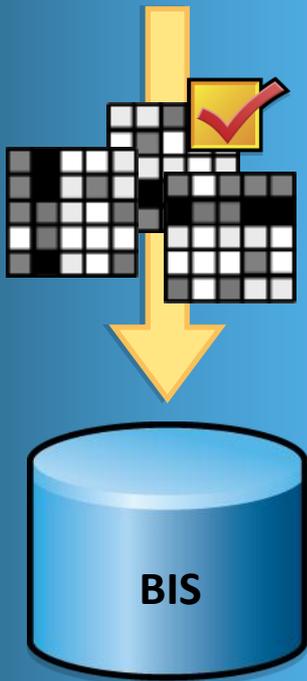


ArcGIS for Maritime: Bathymetry



ArcGIS for Maritime: Bathymetry

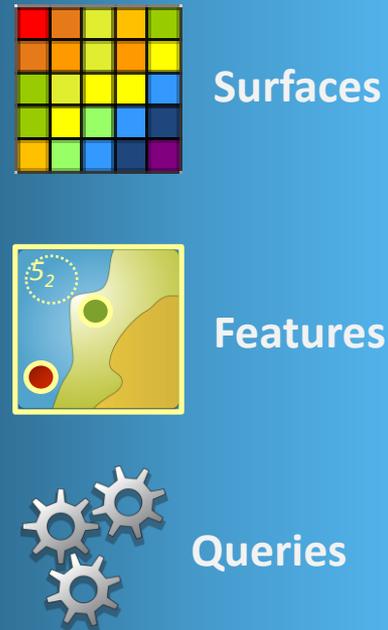
Register



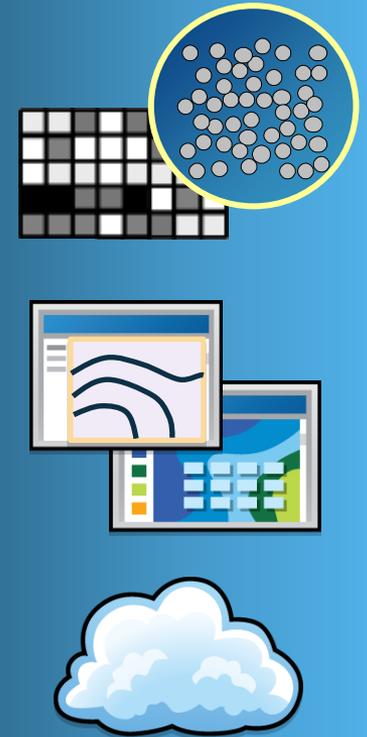
Explore



Compose



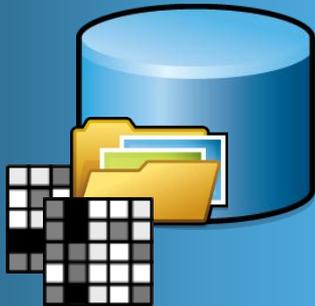
Share



ArcGIS for Maritime: Bathymetry

Technology Highlights

Optimized Storage



- Raster Datasets
- Register
- Index

Intelligent Metadata



- Harvest
- Extend
- Store/Index
- Dynamic UI

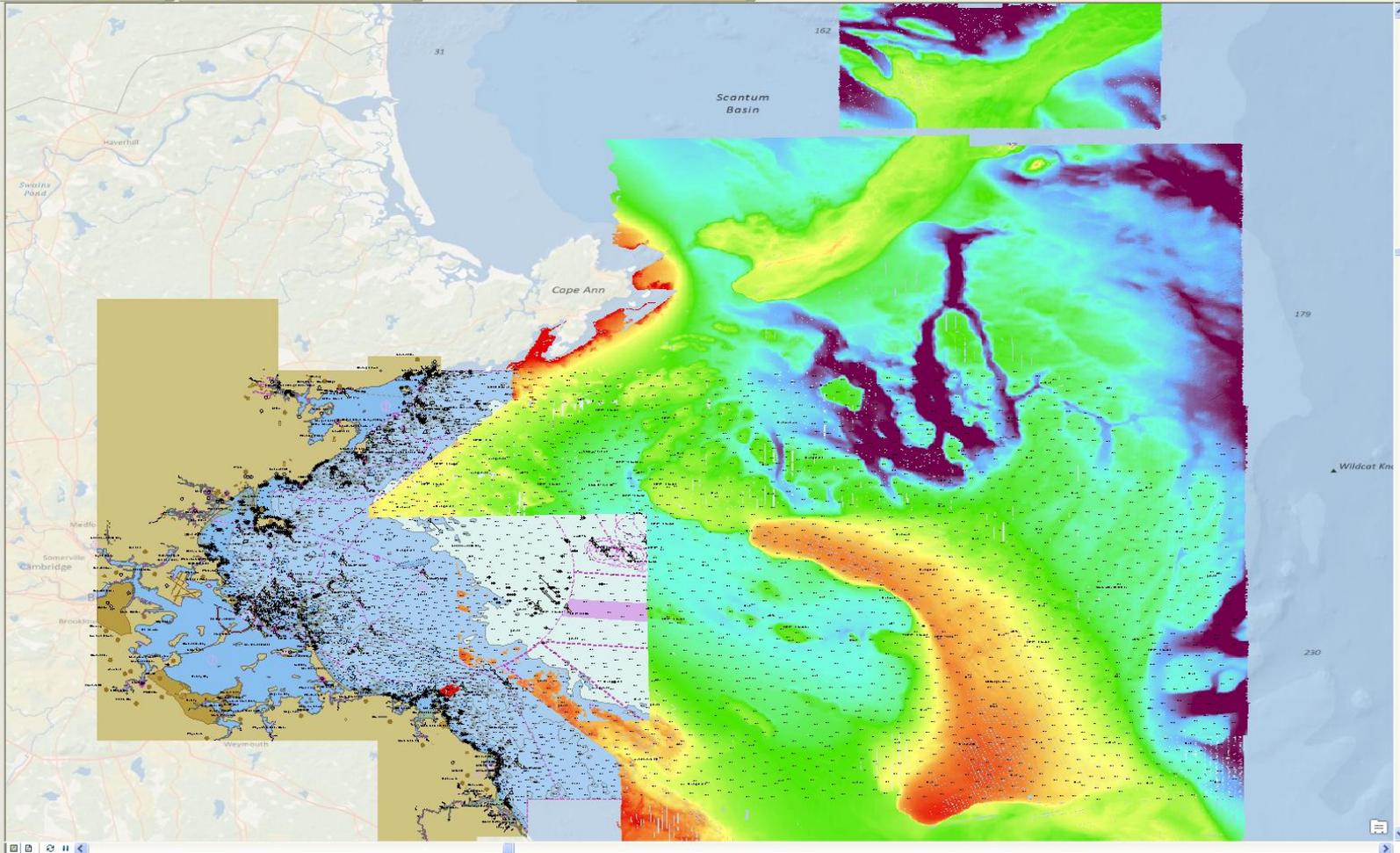
Interactive Modeling

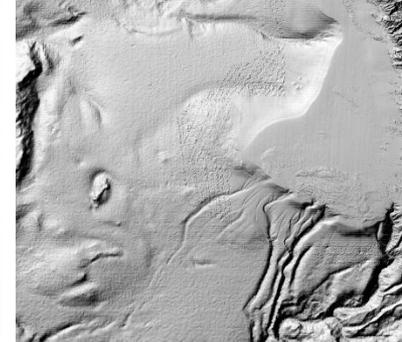


- Mosaics
- Search tool
- Rule based composition

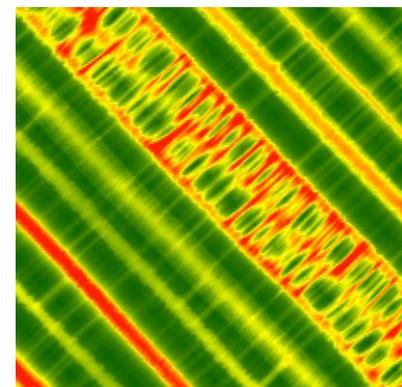
Table of Contents

- Layers
 - BIS
 - Explore Bathymetry Preview
 - Boundary
 - Footprint
 - Image
 - Value
 - High : -9.05806
 - Low : -185.229
 - BDI
 - Boundary
 - Footprint
 - Image
 - Value
 - High : -7.29433
 - Low : -231.345
 - Nautical
 - Ocean Basemap





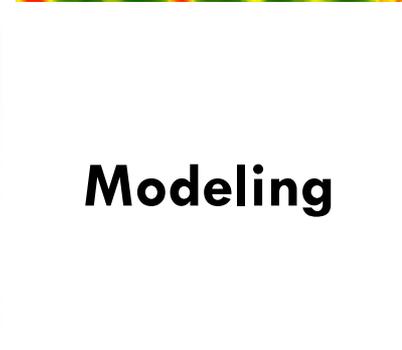
Metadata



Storage



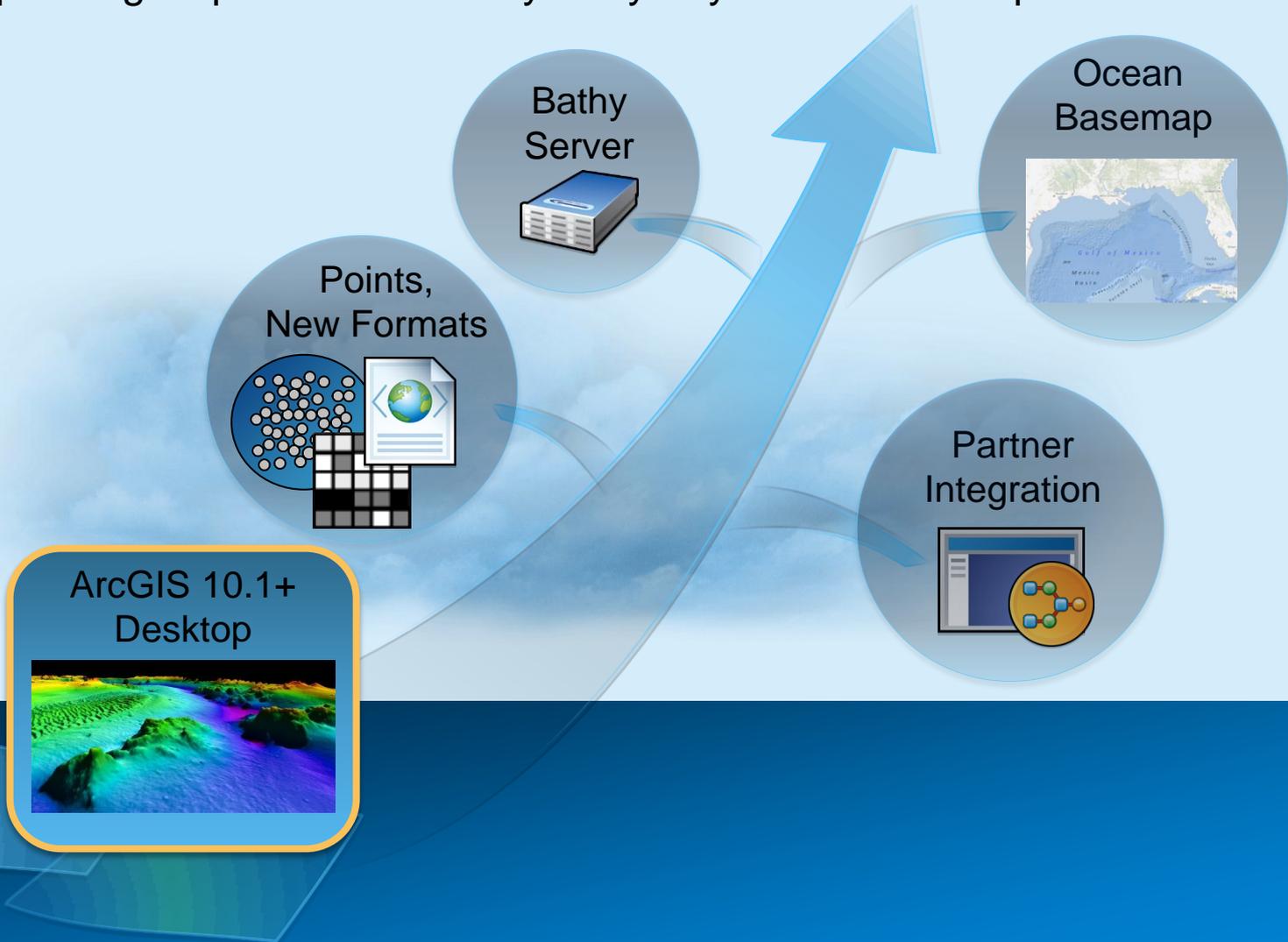
Search



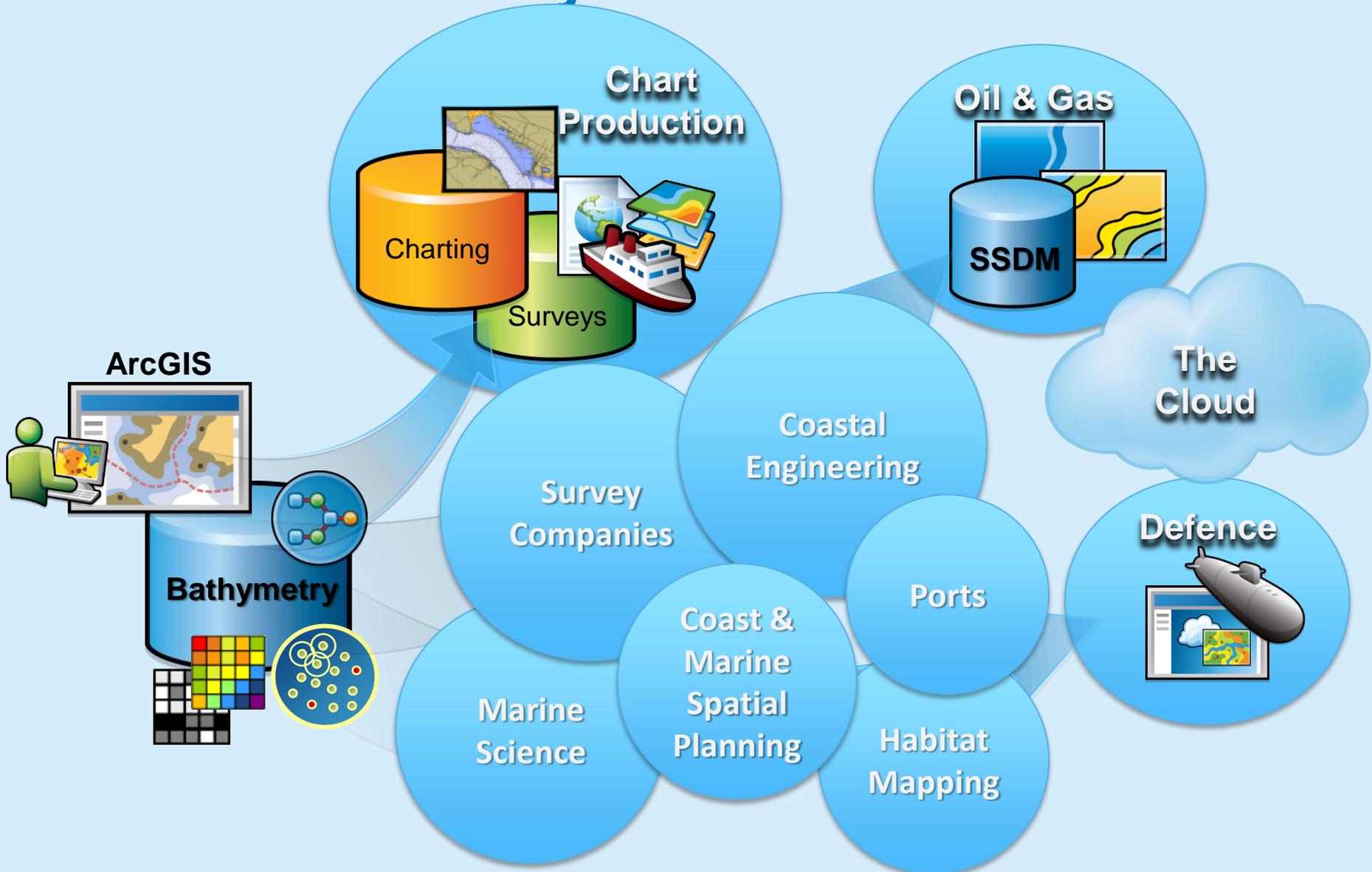
Modeling

Product Roadmap

Expanding Capabilities of Bathymetry beyond the Desktop



From GIS to anywhere...



Thank you.

Rafael Ponce

rponce@esri.com

