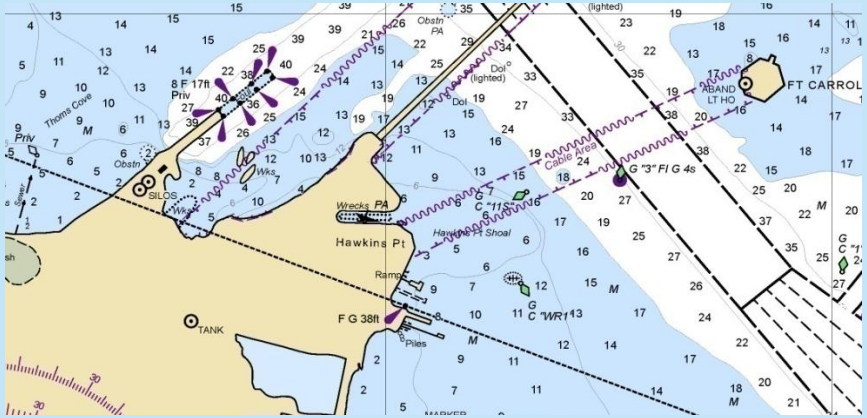
ArcGIS for Maritime: Charting

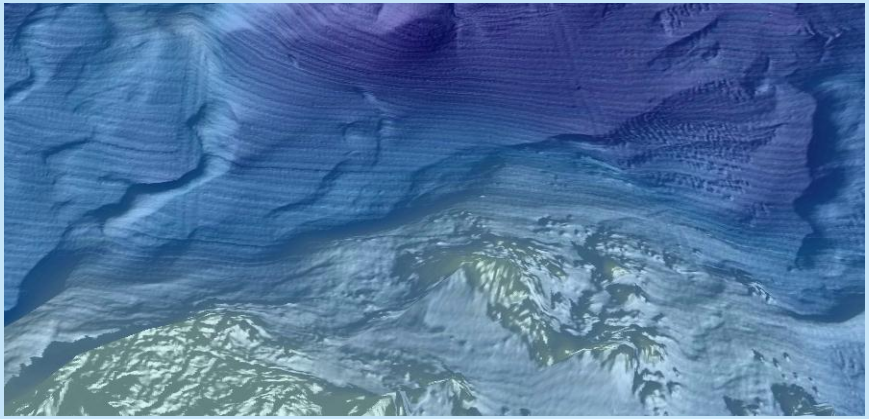
ArcGIS for Maritime

Charting



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

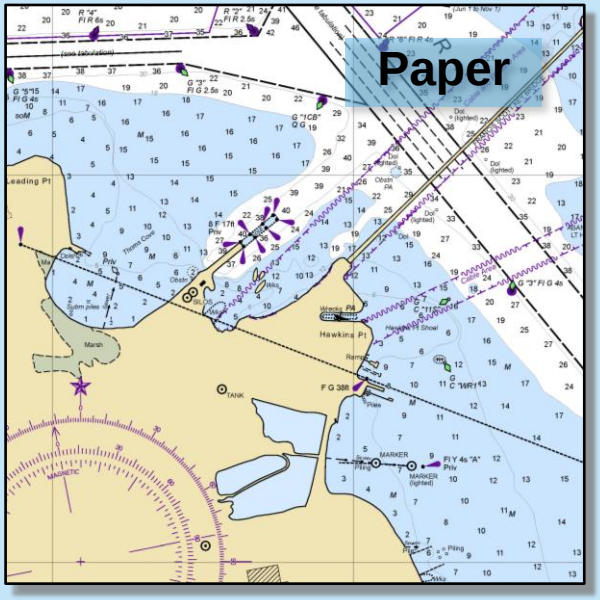
Bathymetry

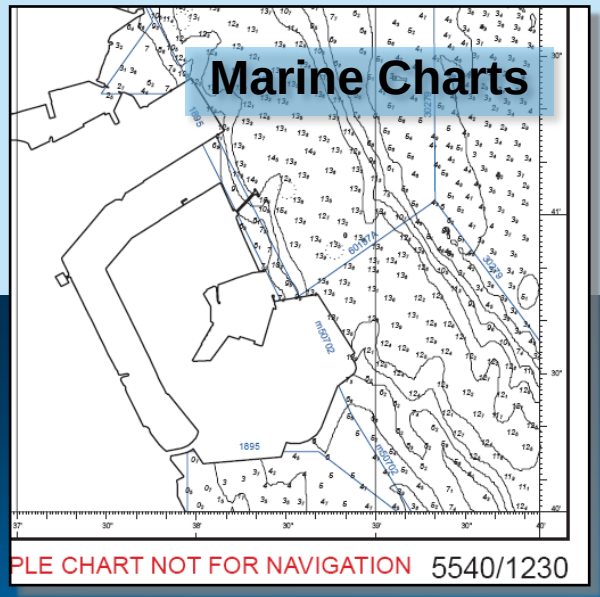


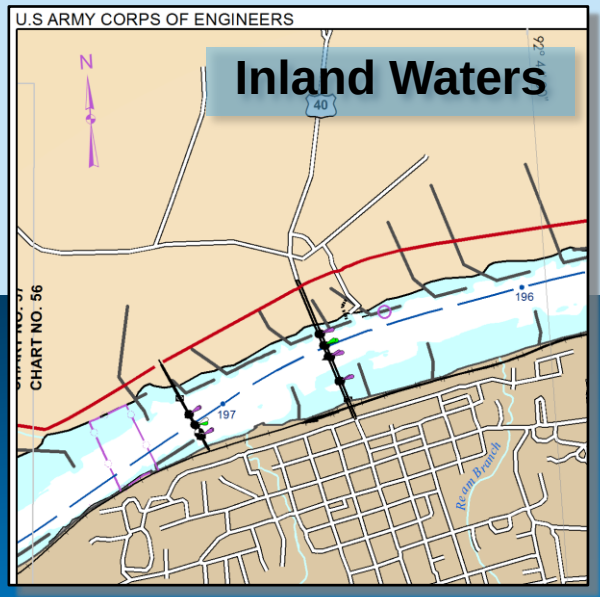
Store, discover, model and manage bathymetric data.

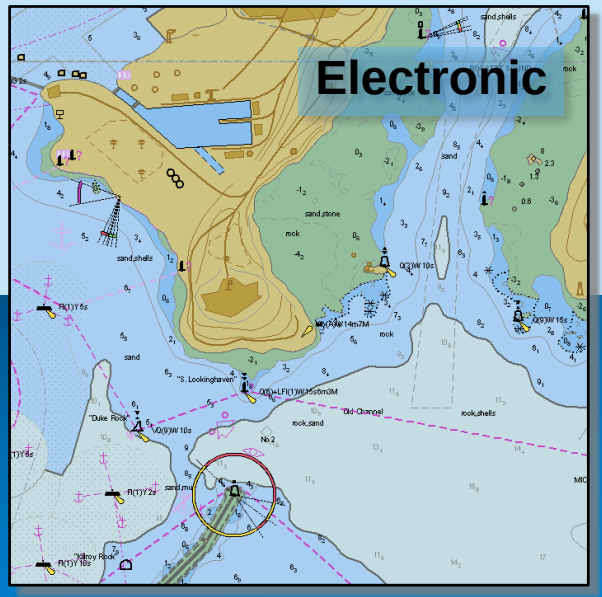
ArcGIS for Maritime: Charting

- Official and unofficial products
- High quality cartography
- Integration with full GIS



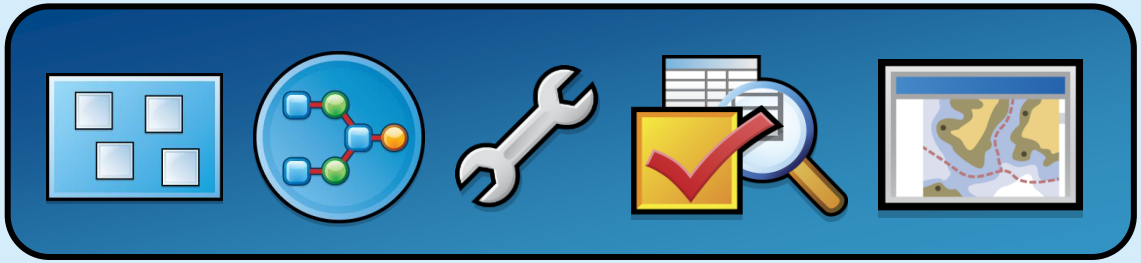






What

A production system for the **creation** and **maintenance** of navigational products and nautical spatial data.



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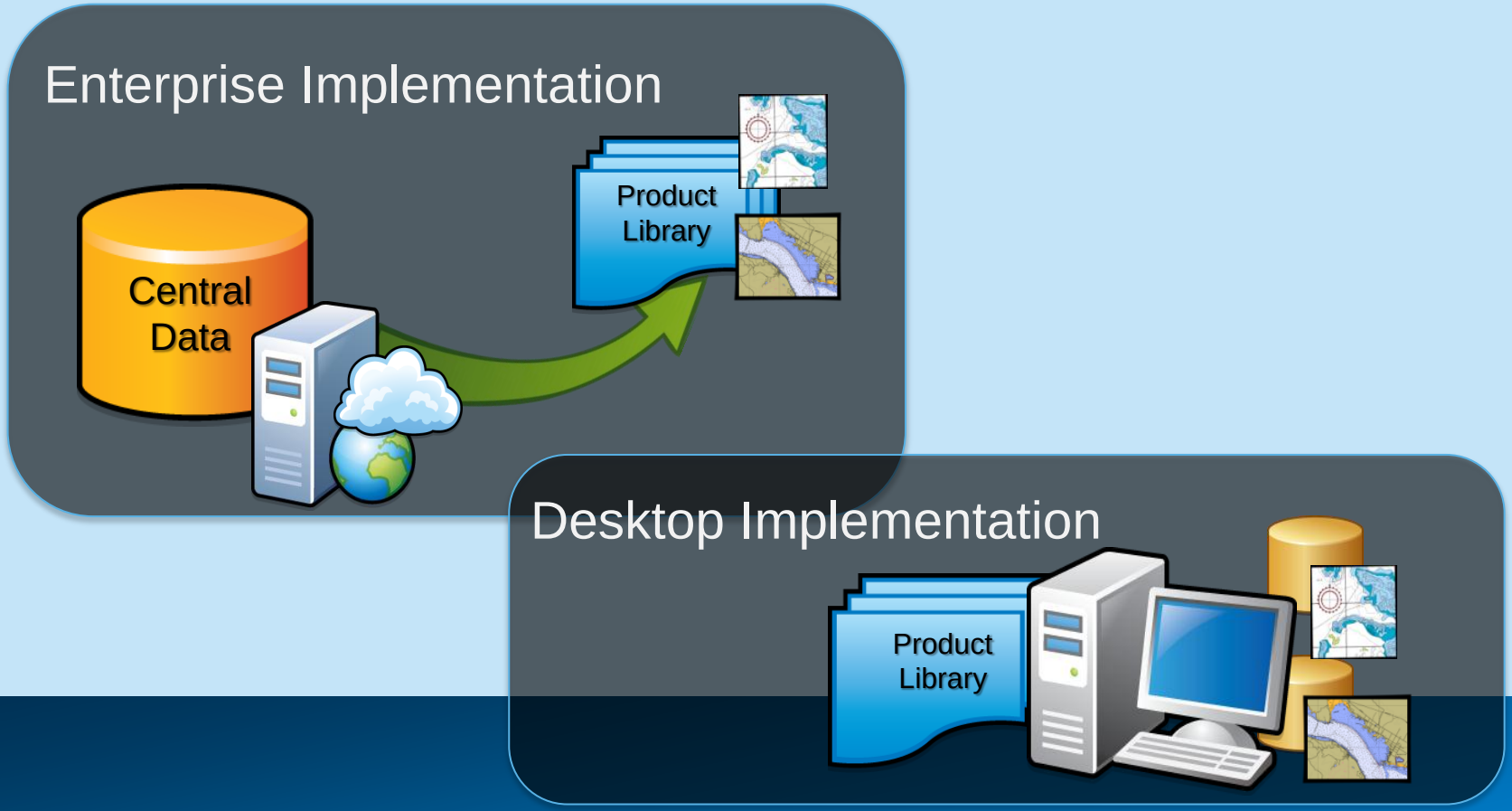


ArcGIS for Maritime: Charting

What's new at 10.1

- New Symbology Engine
- New Export Wizard
- New Product Wizard
- Cartography Tools
- Stability/Usability focus

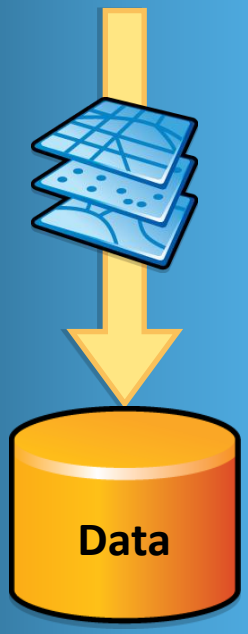
Why

Solves problems

- Centralizes data
- Improves efficiency
- Database driven cartography
- Same data, different products
- GIS based, Server enabled

How

Edit



Manage

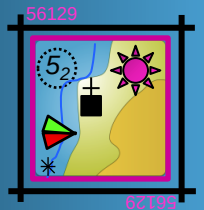
Data

Quality & Workflow

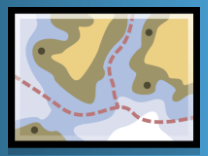
Nautical Products

Metadata

Create



Paper


Electronic

Features

Share

Distribute

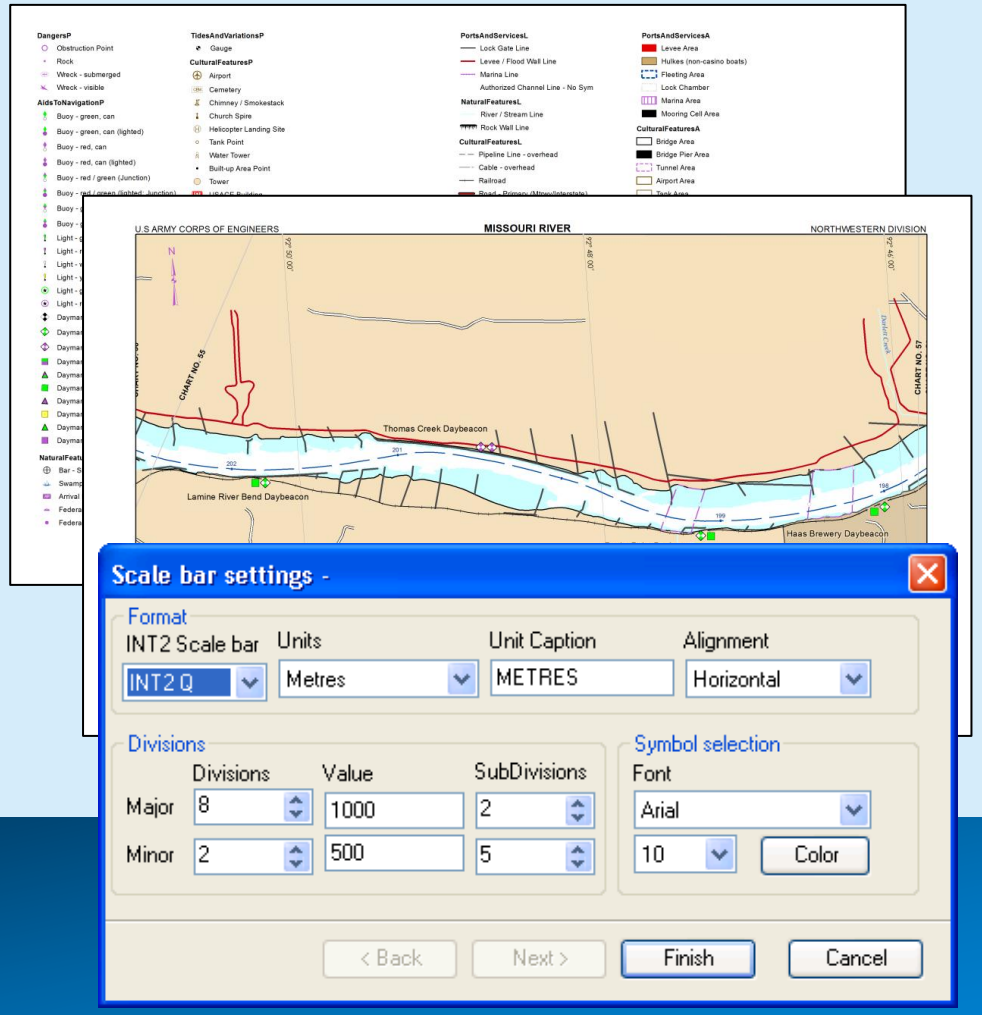
Apps

Cloud

ArcGIS for Maritime: Charting

Cartography

- Toolbar reorganization
- Support for BSB
- Masking tools (easy/fast)
- New symbology engine
- New scale bar tool
- Source Diagram tool
- Interactive workflows



Centralized data

- Product Neutral Geodatabase
- Scale banded (configurable)
- Hybrid S-57/INT-1 data model (extendable)
- Multiple cartographic displays supported
- Single Application
- Secure – historical archive
- Multi-user access

ArcGIS for Maritime: Charting

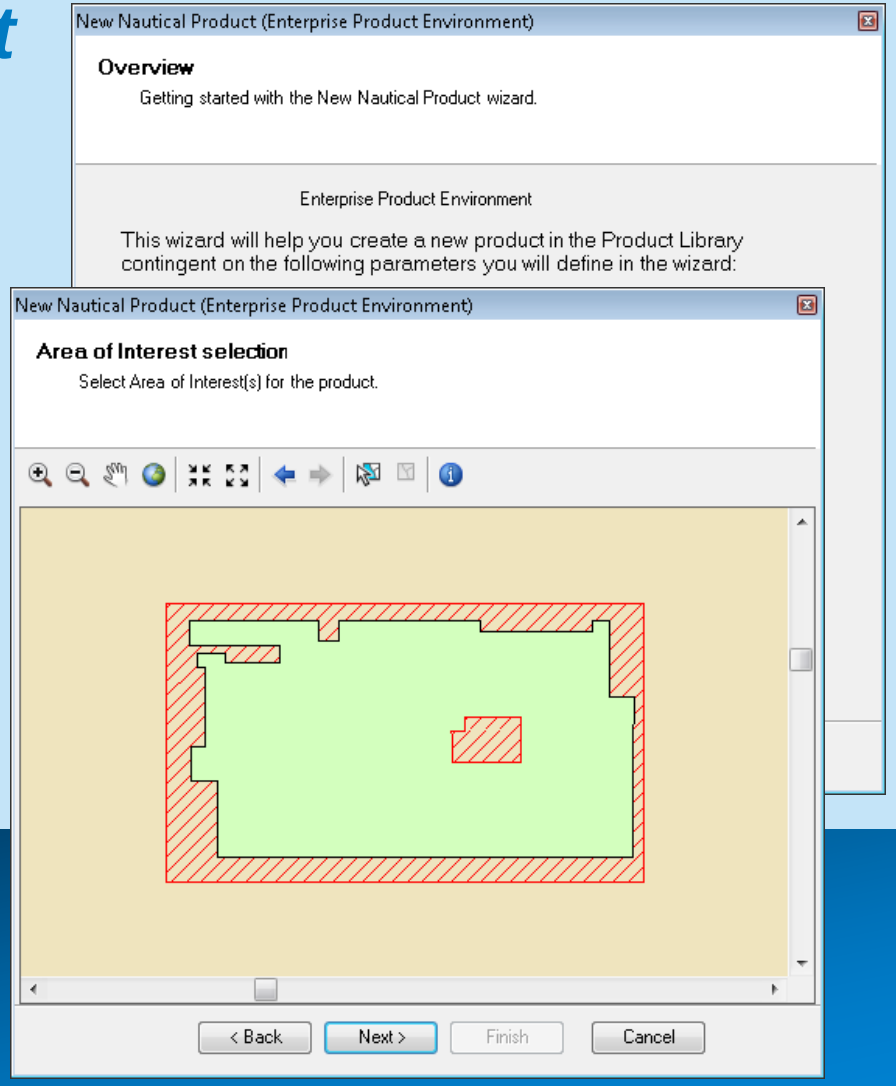
Product Management

- Framework within ArcGIS for effective management of products and associated metadata.
- Products managed internally through “Check-in/out” process
- Symbology, validation rules, conditions stored centrally
- Multiuser access

ArcGIS for Maritime: Charting

Product Management

- New Metadata engine for traditional and S-57 charts
- Create Product Wizard
  - Faster product creation
  - Integrated with metadata
- Export Product Wizard
- PDF Publisher



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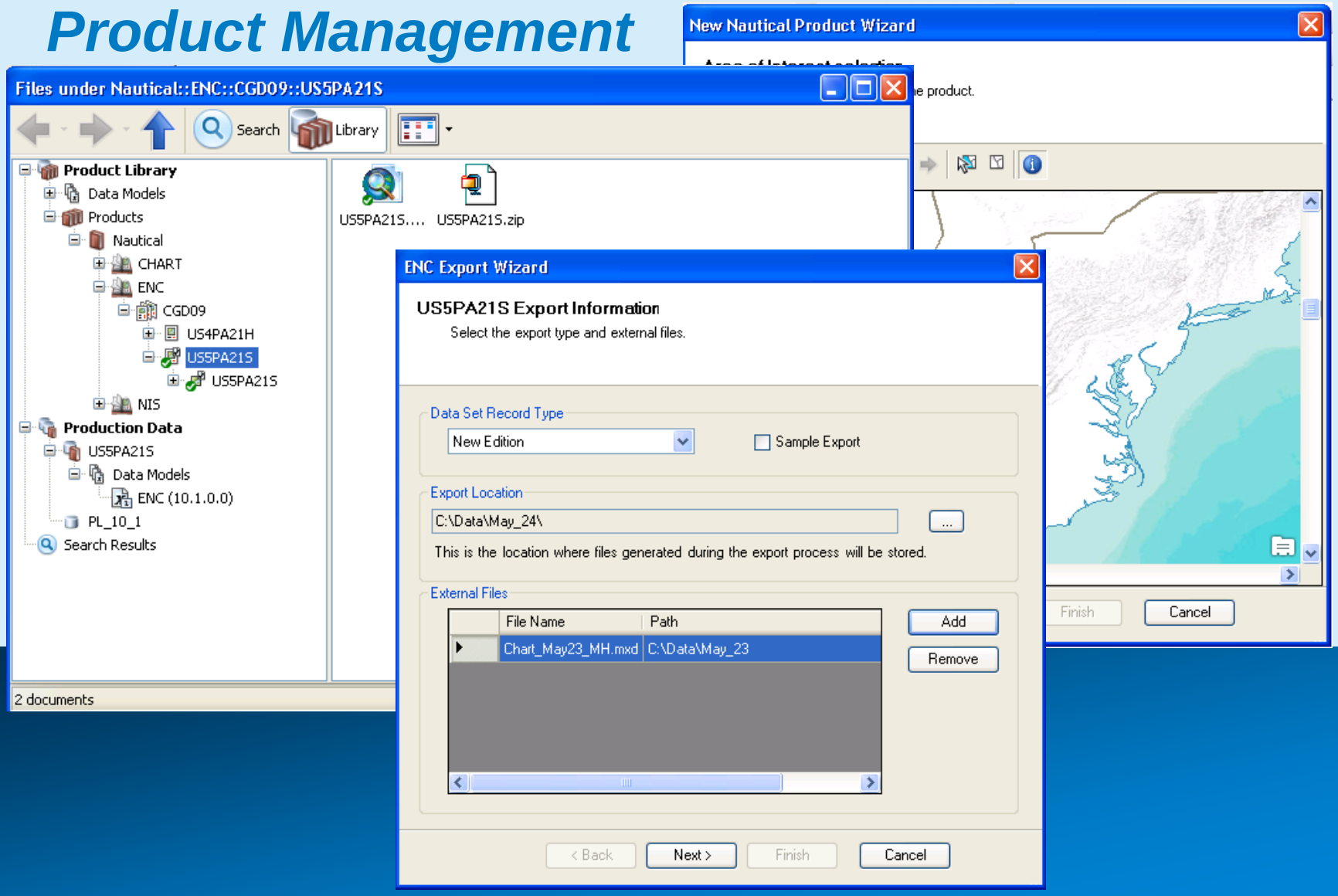
Product Management



ArcGIS for Maritime: Charting

Editing

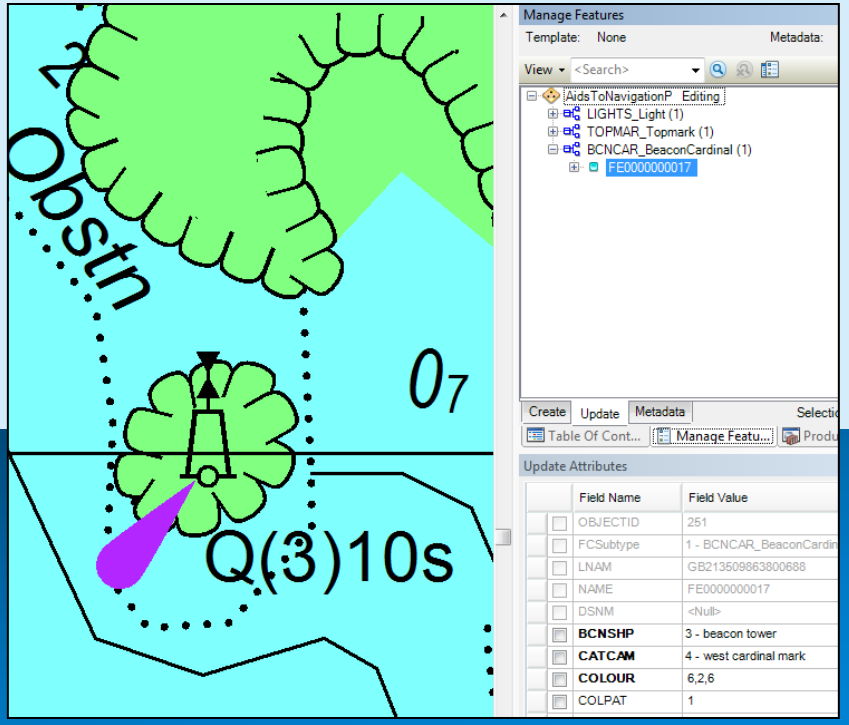
Feature Manager

- Efficiently manage features while editing
- Symbolized favorites (Templates)
- Integrated with Product Library
- Use of construction tools
- Integrated metadata

Field display

Validation rules

Metadata configuration



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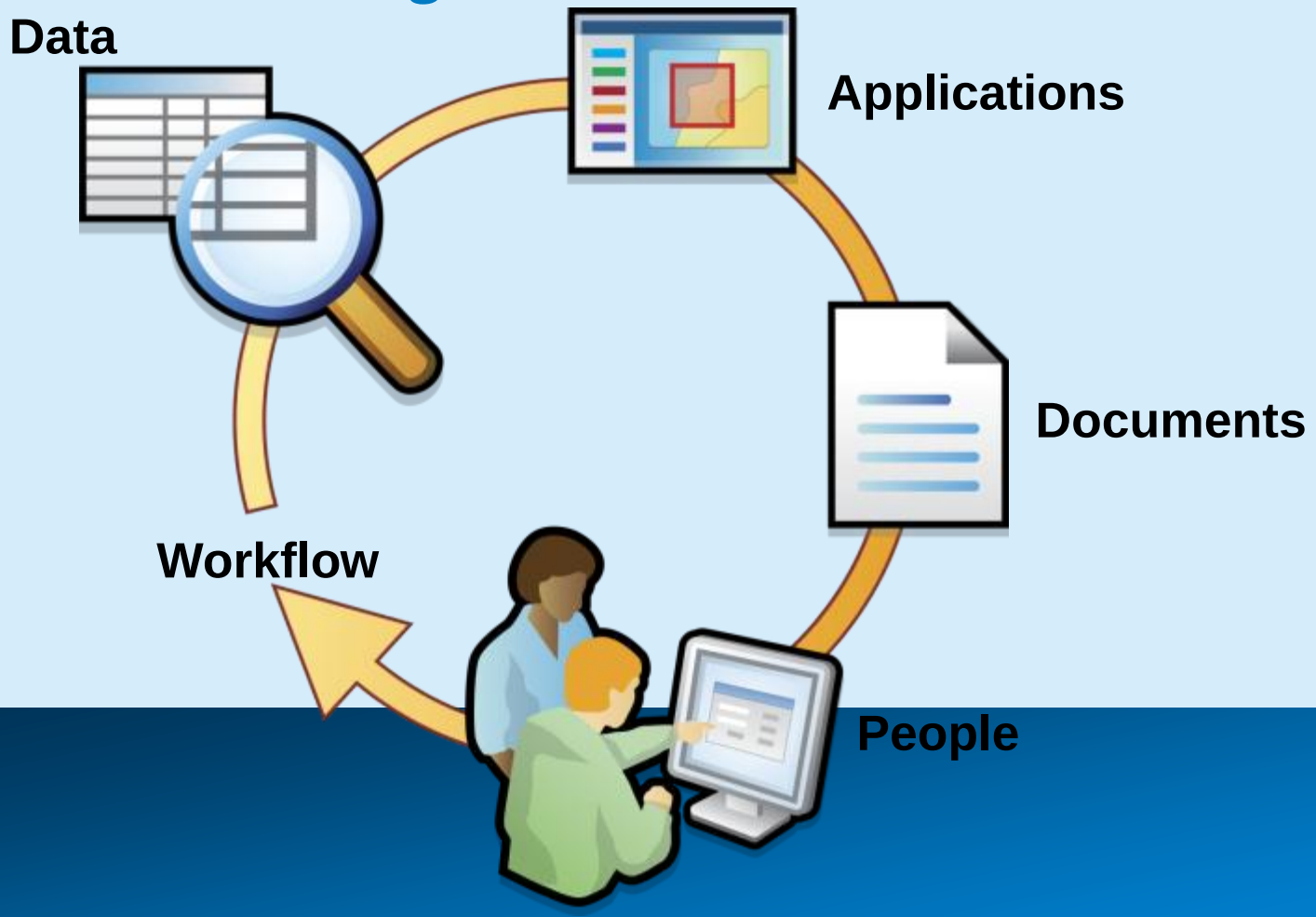
Workflow Management



ArcGIS for Maritime: Charting

Workflow Management

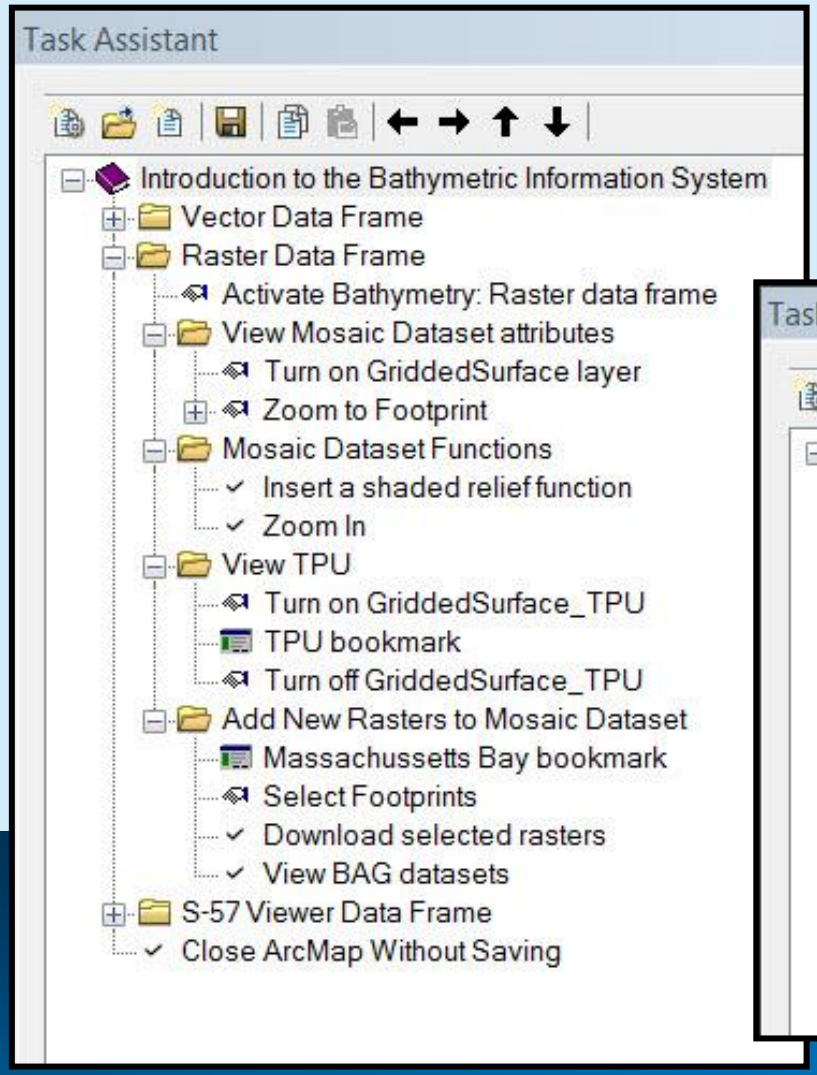
Workflow Manager Extension

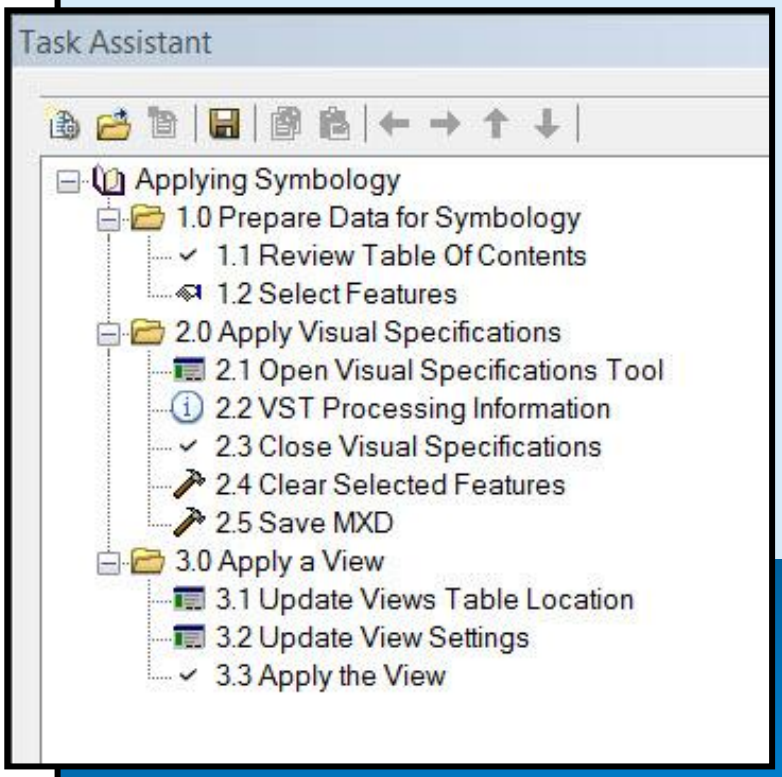
- Bundled with ArcGIS for Maritime
- Equipped for the enterprise (Server enabled)
- Build standardized workflows
- Assign, share and monitor jobs

Task Assistant Manager

- Bundled with ArcGIS for Maritime
- Deployable through centralized location or locally
- Build detailed workflow steps (akin to SOPs)
- Start/stop, pass to other users and chart progress

Task Assistant Workflows



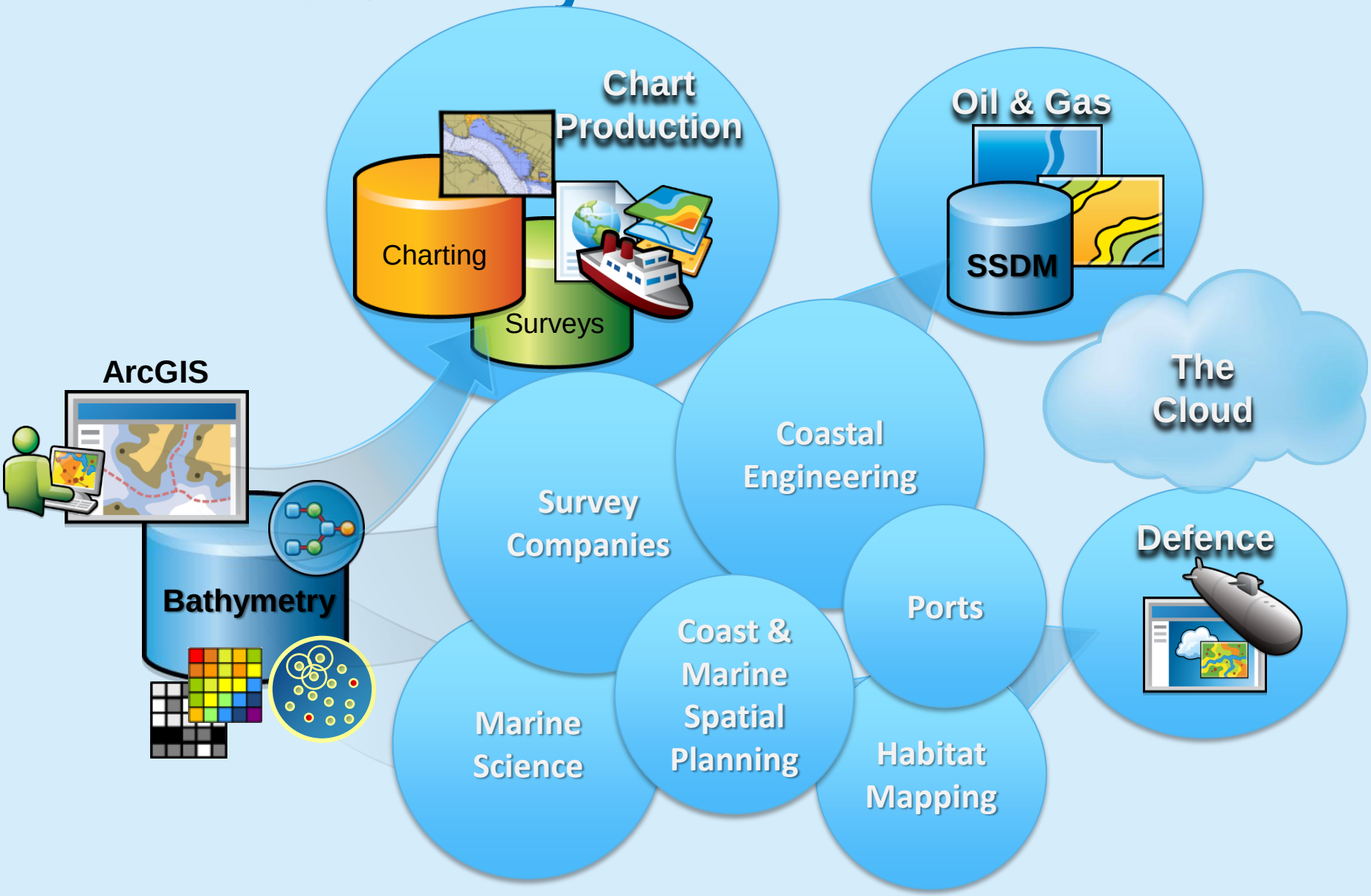


Sample Workflows:

← **Bathymetry &**

↓ **Applying Symbology for Charting**

From GIS to anywhere…



Thank you.

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