ArcGIS for Maritime: An Enterprise Approach

Kevin Twombly, G.C. Rice, Alison Drain, Geoff Gomez
Workshop Overview

- Introduction
- Demonstrations
  - Data Discovery with Portal for ArcGIS
  - Production Management
  - Data Production: Bathymetry
  - Data Production: Nautical Features
  - Data Dissemination
- Summary
Industry Challenges

Technology

System Interoperability

Best Practices

Evolving Mission

Need to plan for the rapid pace of technology change
ArcGIS for Maritime

Charting

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

Bathymetry

Store, discover, model and manage bathymetric data.
Enterprise Maritime Data Management

Production Workflows
- Nautical
- Bathymetric
- Other

On-demand...
- Hardcopy Maps and Charts
- Hydrographic Feature Services
- Composite Surfaces
- Web Maps
- Visualization & Analysis

Production Management

Services
- Nautical
- Bathymetric
- Gridded Authoritative Content

Data Warehouse
- Nautical
- Topo
- Aero
- Imagery
- Elevation

Online Services

Connected Users

Deployed Systems

Multi-user, time-dominant data management
ArcGIS for Maritime Demonstrations

G.C. Rice
Alison Drain
Geoff Gomez
Kevin Twombly
Additional Information

• ArcGIS Resources
  • resources.arcgis.com

• ArcGIS for Maritime
  • http://www.esri.com/software/arcgis/extensions/nautical-solution

• ArcGIS Workflow Manager
  • http://resources.arcgis.com/content/workflow-manager/10.0/about

• Training
  • http://training.esri.com/gateway/index.cfm