

The Geographic Approach

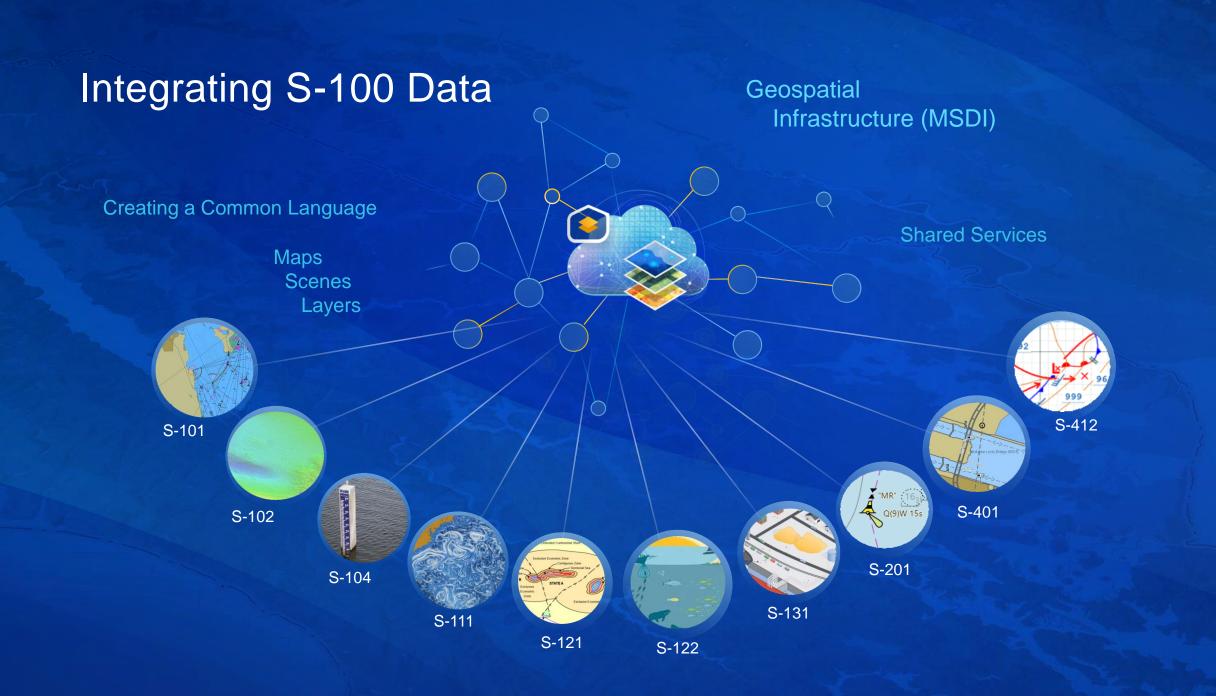
Geography provides the science & language



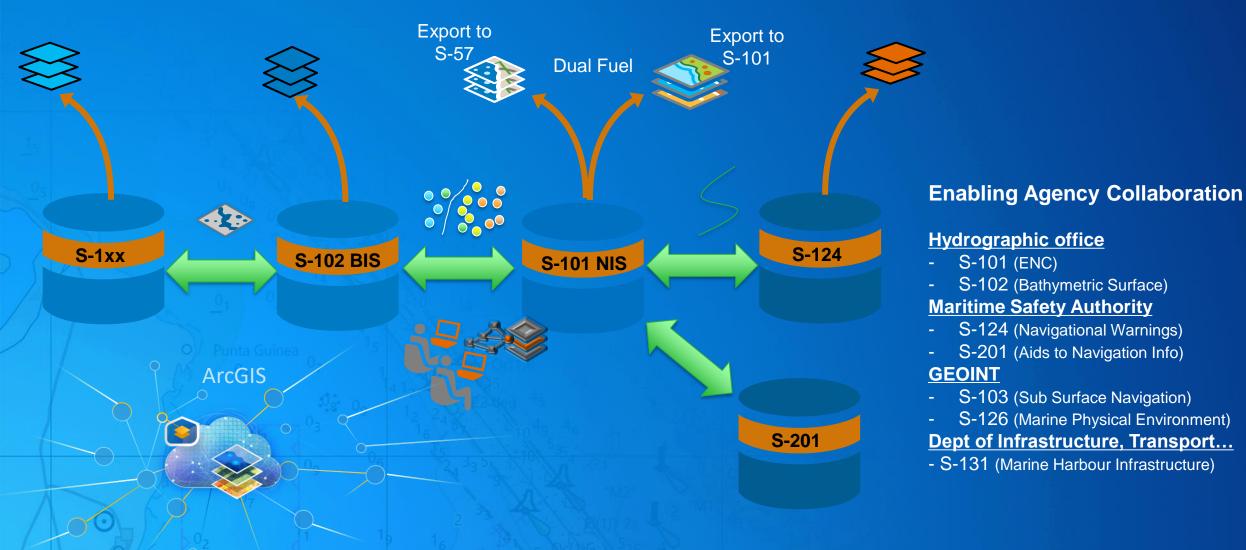
ArcGIS

A System for managing, sharing & applying the geographic approach

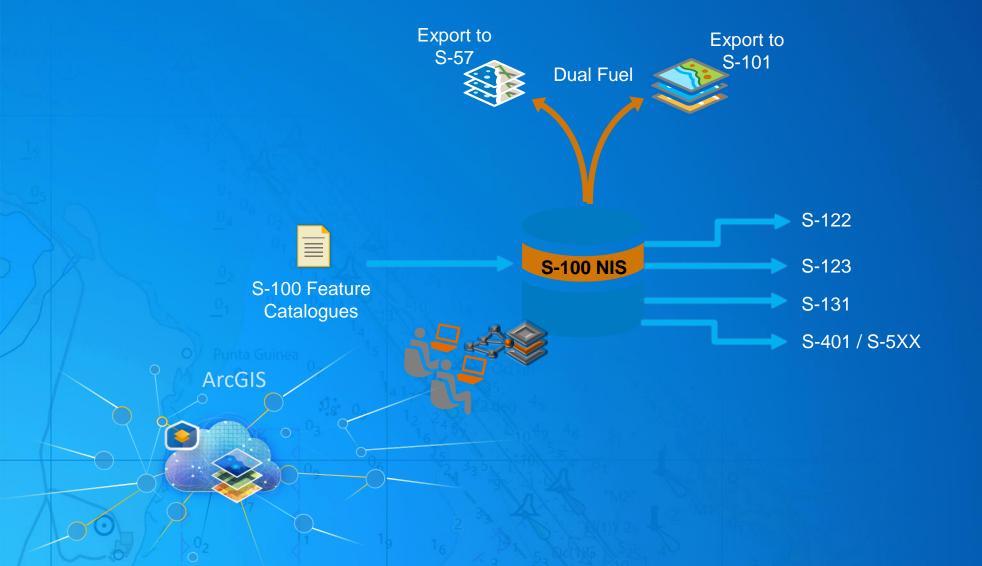




S-100 Data Sharing & Collaboration



S-100 Data Sharing & Collaboration





ArcGIS Pro

Analytics, Models, and Data Exploration



ArcGIS Maritime



Production S-57, S-100



ArcGIS Enterprise



Engagement Collaboration

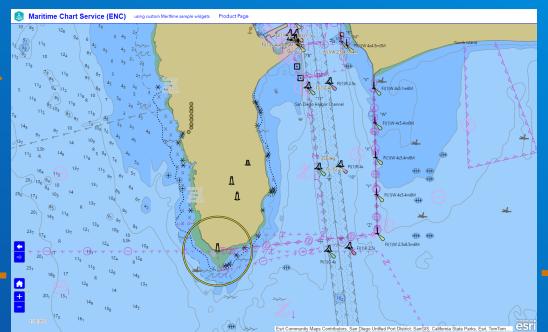


A Complete Production and Dissemination System





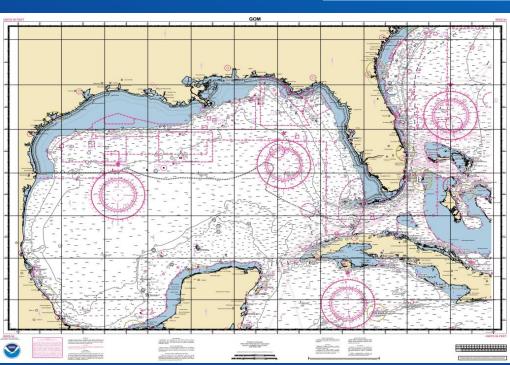
ArcGIS Maritime
ENC Production
Paper Chart Automation
Custom Chart Builder







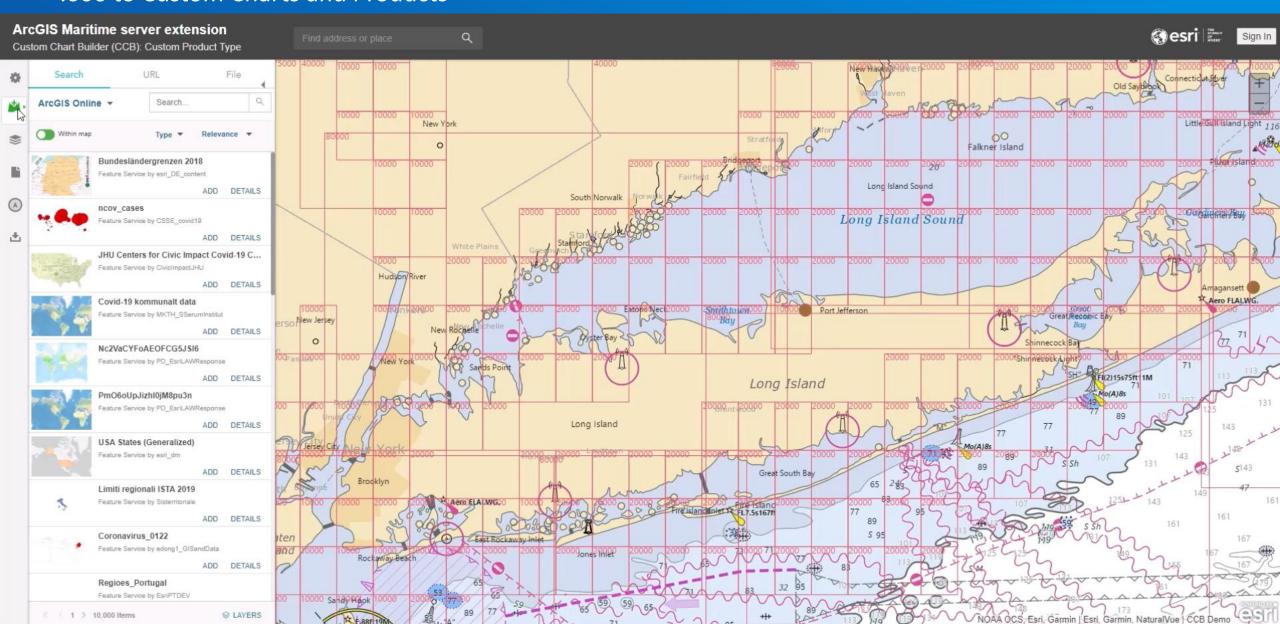
ArcGIS Maritime Server

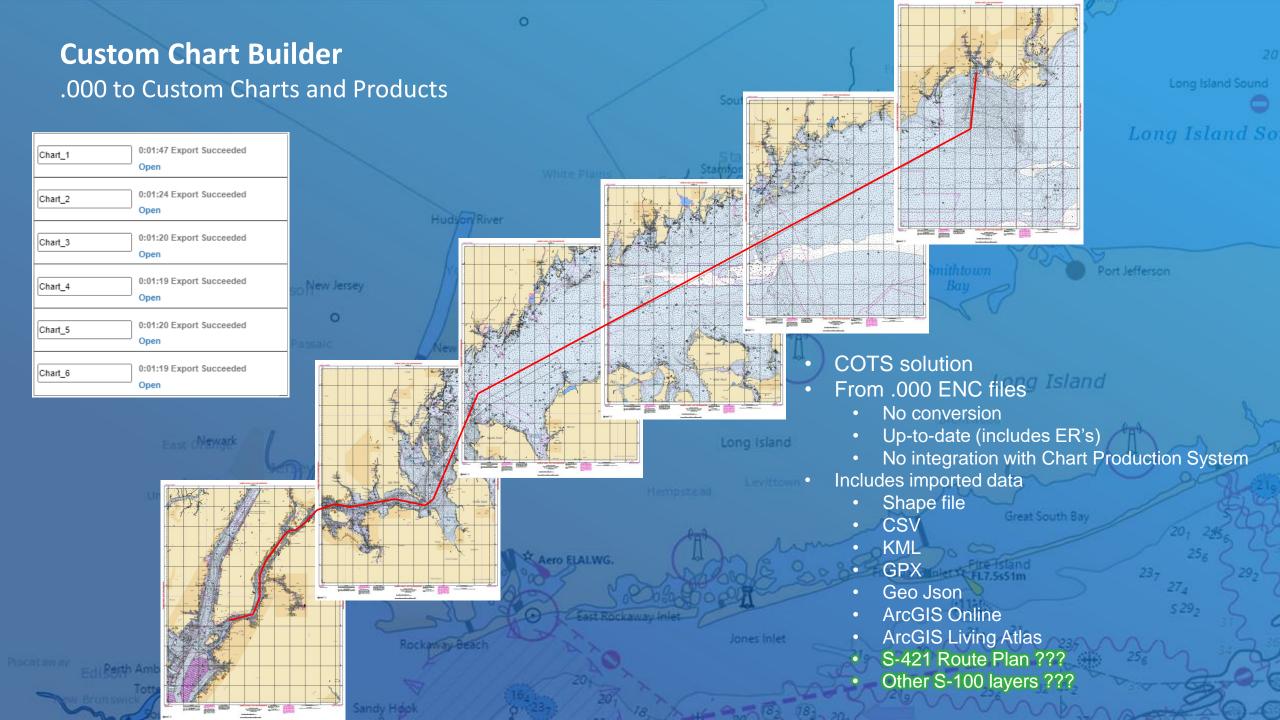




Custom Chart Builder

.000 to Custom Charts and Products

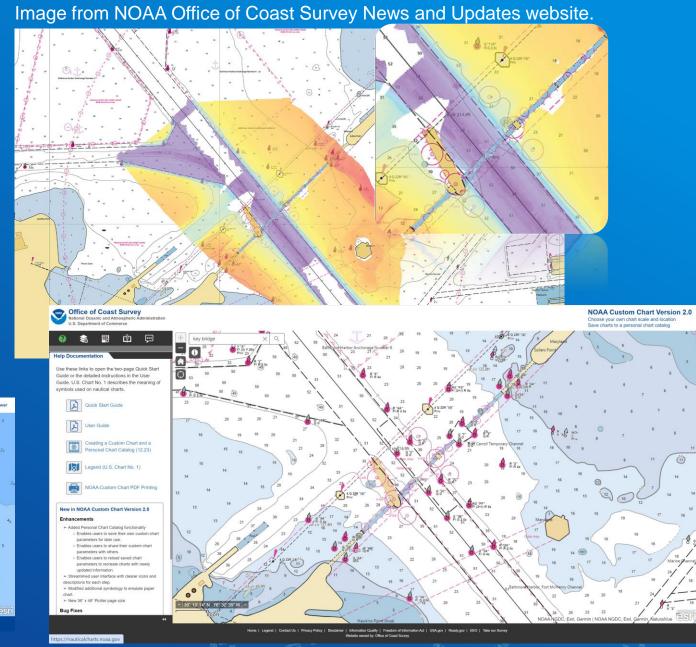




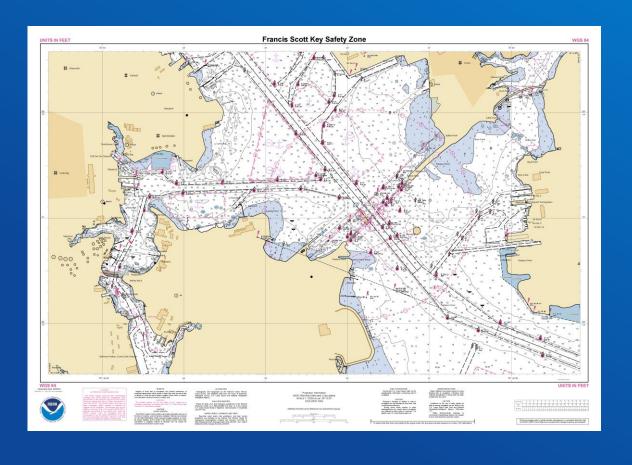
Key Bridge Rapid Response

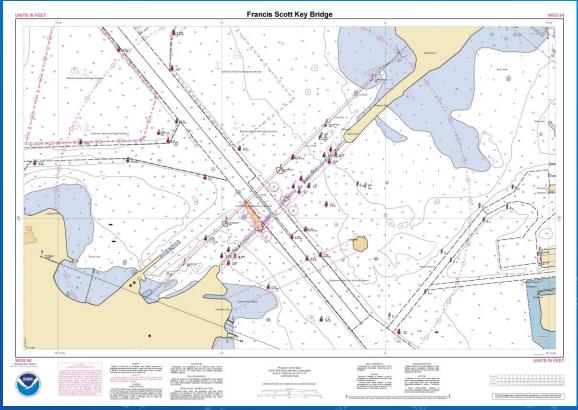






Key Bridge Rapid Response

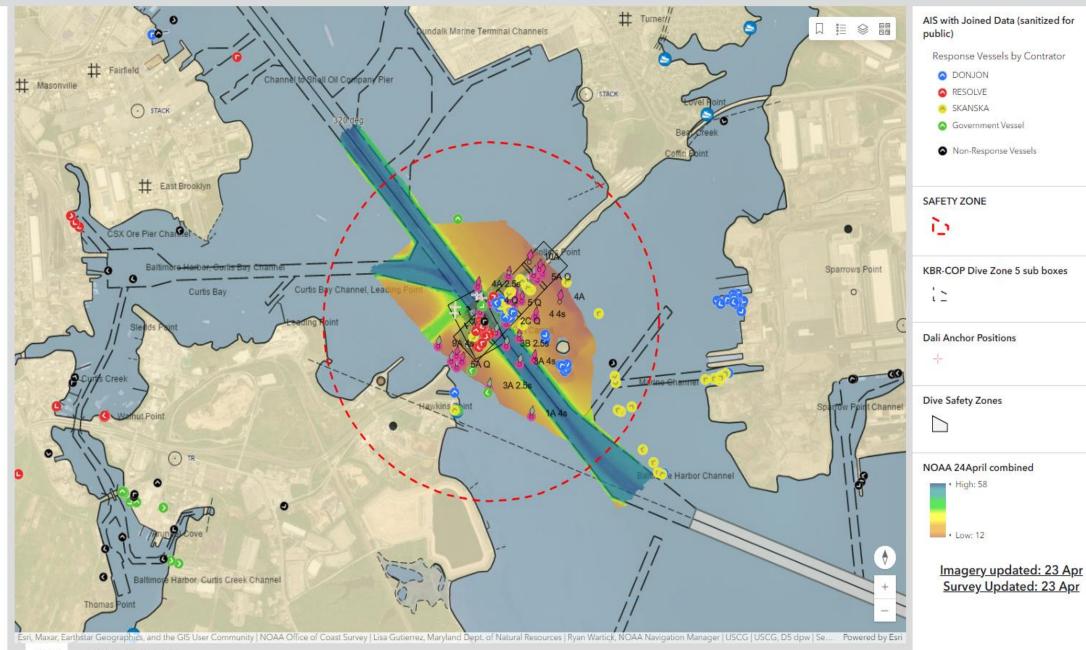




Wind 0.5 kts from 320°T

Curtis Bay Ent Wx buoy Last update: 1 minute ago

> Air Temp 33°F



AIS with Joined Data (sanitized for

Survey Updated: 23 Apr

Curtis Bay Ent Wx buoy

Last update: 1 minute ago

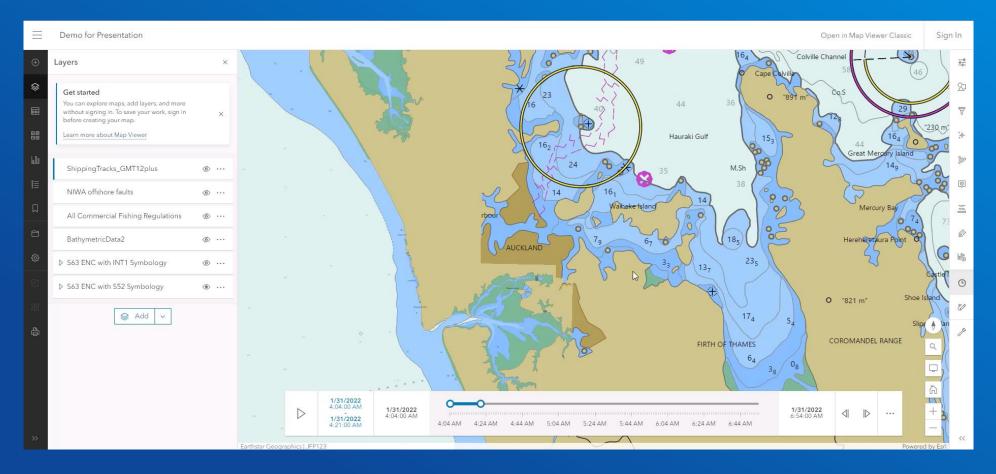
NWS Weather Threat

Technology demonstrator: "Revealing the potential of the LINZ ENC service beyond Navigation" Provided courtesy of:

Richard Wells - GEOINT New Zealand, New Zealand Defence Force John Plunkett - Eagle Technology, April 2024



Eagle web app demonstrator







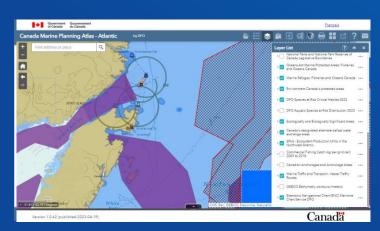




Public Examples using MCS



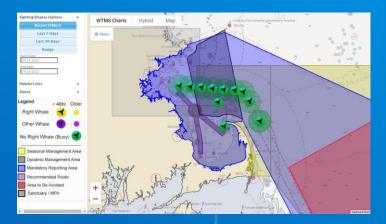
Australian Hydrographic Office: Chart Index https://services.hydro.gov.au/AHOChartIndexPUBLICApplication/



Canada Marine Planning Atlas: Atlantic https://gisp.dfo-mpo.gc.ca/apps/Atlantic-Atlas/?locale=en



NOAA ENC Online Viewer https://nauticalcharts.noaa.gov/enconline/enconline.html



ConservelO: Whale Alerts https://whalealert.conserve.io/



Port of Rotterdam: Harbour Masters https://gis.portofrotterdam.com/apps/mcs_nap/







ArcGIS Maritime



ArcGIS Enterprise





ArcGIS API for





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ArcGIS Mission



















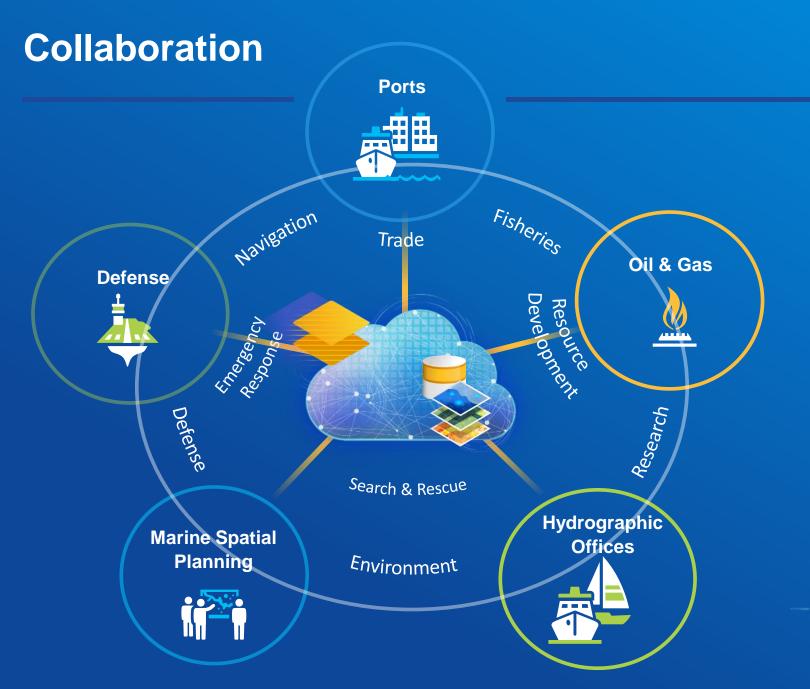






nerdwithlatitude





Types of Users

- Nat Hydrographic Office
- Naval Oceanographic
- Hydrographic Surveying
- Marine Cadaster
- National EEZ
- Ocean Land Cadastre
- Coast Guards
- Ports (bathymetry)
- Inland Waterway Agencies
- Recreational Industry

Industry Overlaps

- Defense & Intelligence
- Transportation
- Energy
- Science
- Local Government
- Land Cadaster

