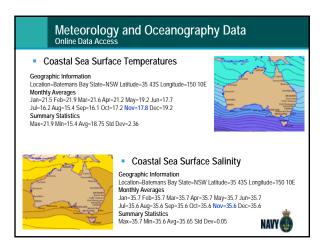


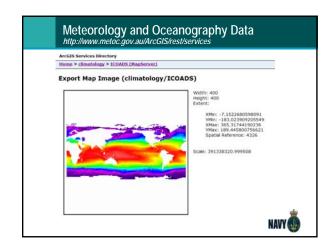


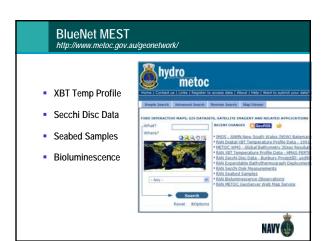
Using Coastal Environment Data

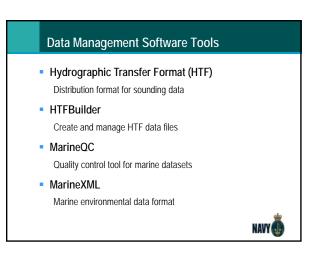
- Navigational Safety
- National Elevation Data Framework
- Engineering and Exploration
- Tsunami and Climate Change Modelling
- Biodiversity/Habitat and Aquaculture Research
- Seabed Mapping
- Geomorphology



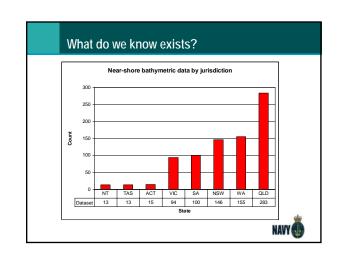


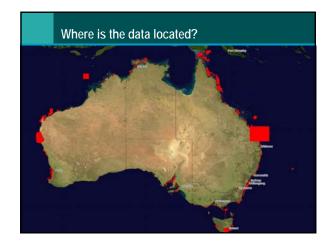






External Data Sources 60% of all survey data is from external agencies All Datasets (Oct 10) Near-shore Bathymetry (+3 Nm coast) Data Origin Count Percent Count Percent Percent of All 4892 Internal 423 34 7154 59 817 66 External Total 12046 100 1243 100 10 Invaluable to the AHS Limited National exposure NAVY 🕕





Future Requirement

- Jurisdictional Silos
- New "collectors" of hydrographic data
 - Environmental, Planning and Climate Change Agencies
- Coastal super datasets merge LiDAR and LADS





Engagement

- Requirement for national approach
- Establish a national working group
- Strategies for open data access and exchange
- Engage the "new collectors"



Roadmap Options

- Existing frameworks
 - OPSAG
 - ICSM National Collaborative Framework
- ICSM Working Group (Hydrographer Sponsor)
- Reach agreement
- Pursue funding
- Acquire resources



Recommendations

- Identify all stakeholders followed by national audit
- Establish a national marine SDI
- Review licensing policy
- Ratify a marine metadata profile
- Define a federated custodianship model
- Define or use existing portals for data access



Collective Benefits

- Safety of navigation
- Accurate data for informed decision making
- Enhanced environmental management
- Minimise data duplication and collection
- Enable best practice data management & use of technology
- Enhance the ASDI and NEDF



Web Links and References

- Data Management
 - hydro.data@defence.gov.au
- Data Licensing
 - hydro.licensing@defence.gov.au
- Web Links
 - HTF http://www.hydro.gov.au/tools/htf/htf.htm
 - MarineQC http://www.metoc.gov.au/products/marineqc.php
 - MarineXML http://www.metoc.gov.au/products/marinexml.php

