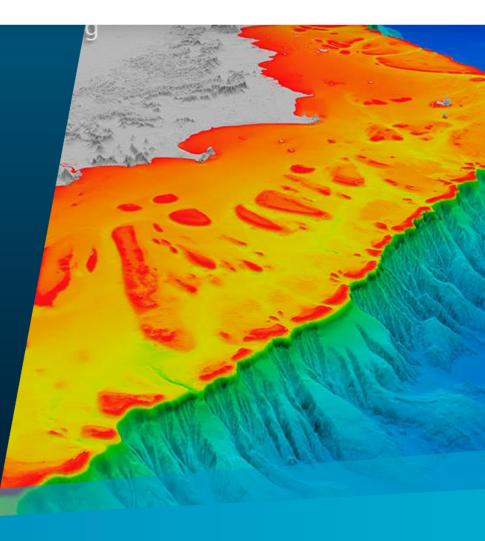


#### AusSeabed Marine Data Portal

https://portal.ga.gov.au/persona/marine

Maggie Tran | 25<sup>th</sup> June 2020



### Background

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- AusSeabed Marine Data Portal
  - Allow users to explore and download bathymetry data

- https://Marine.ga.gov.au decommissioned (GA-centric)
  - Unsupported AWS architecture, failing functionality
- Move to a new Portal (AusSeabed-centric)
  - AWS maintained, active development, leveraging off other GA programs
  - More collaboration
  - Different types of datasets available

# Outline

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- Portal Composition
- Exploring the data
- Tools available
- Accessing the datasets
- Limitations
- Future

### **Disclaimer**

#### AusSeabed Marine Data Portal

All bathymetry datasets within the portal are licensed under a Creative Commons Attribution 4.0 International lice

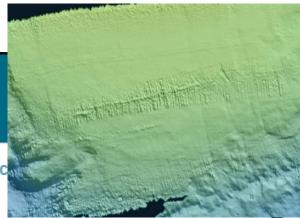
Additionally:

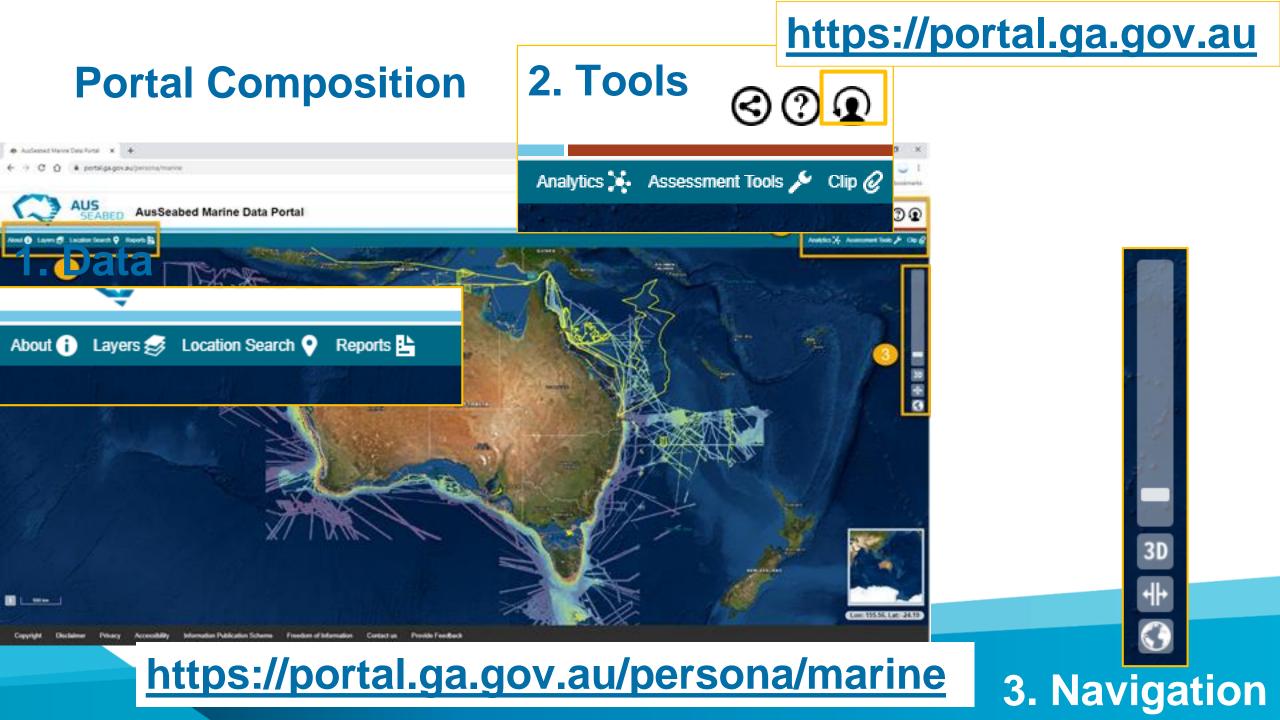
- The data sets are not suitable for use in marine navigation or in the creation of navigational products or any other purpose involving safety at sea.
- Much of this data is published 'as supplied', and may include artefacts or unprocessed portions that seafloor environment.



acknowledge and agree to the terms and conditions stated above

Close



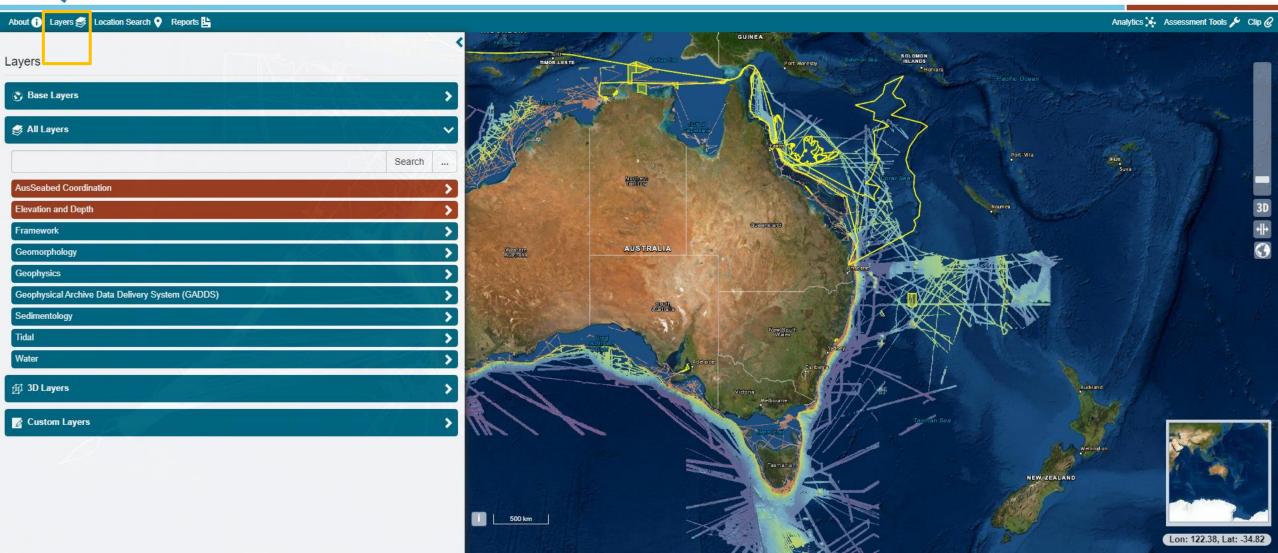


## **Exploration of data**



AUS SEABED AusSeabed Marine Data Portal

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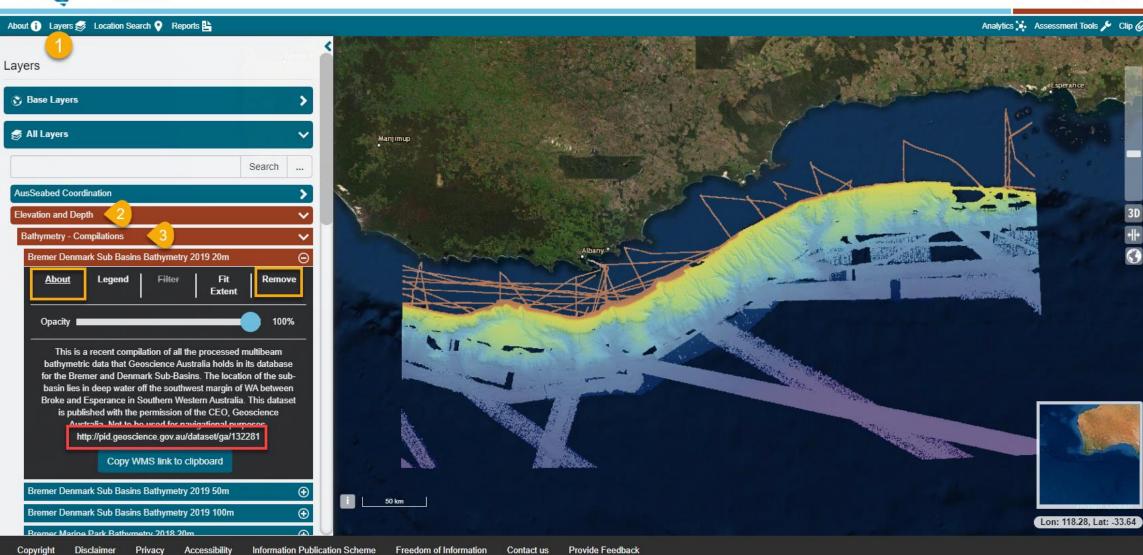


# **Adding and removing layers**

AUS SEABED

AusSeabed Marine Data Portal





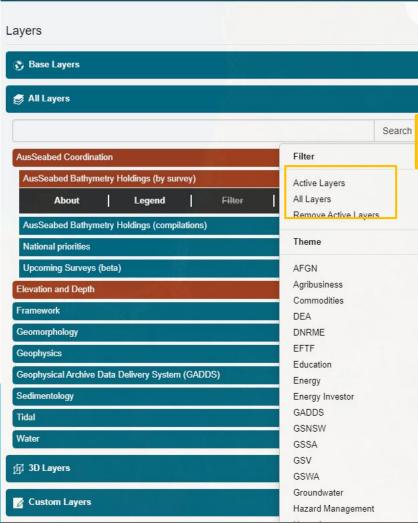
# **Adding and removing layers**

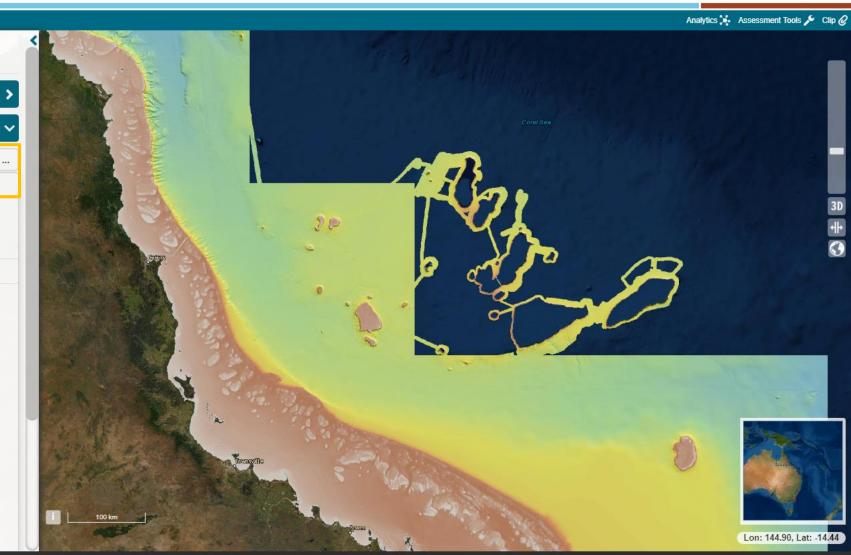
AUS SEABED

AusSeabed Marine Data Portal

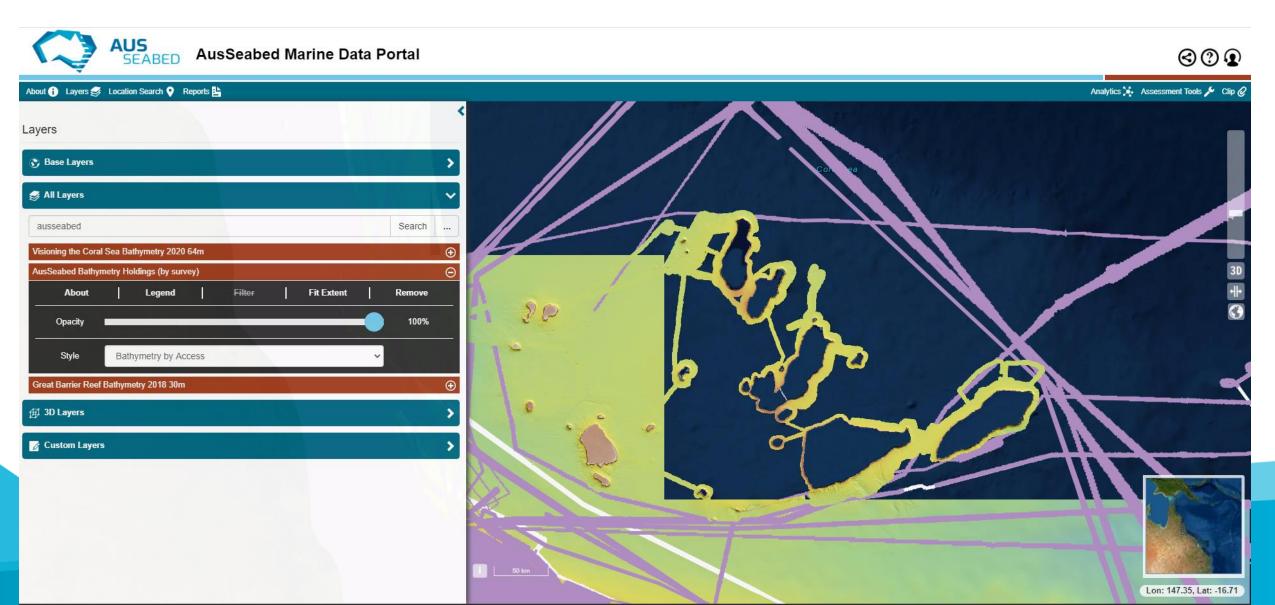


300





# **Reordering layers**



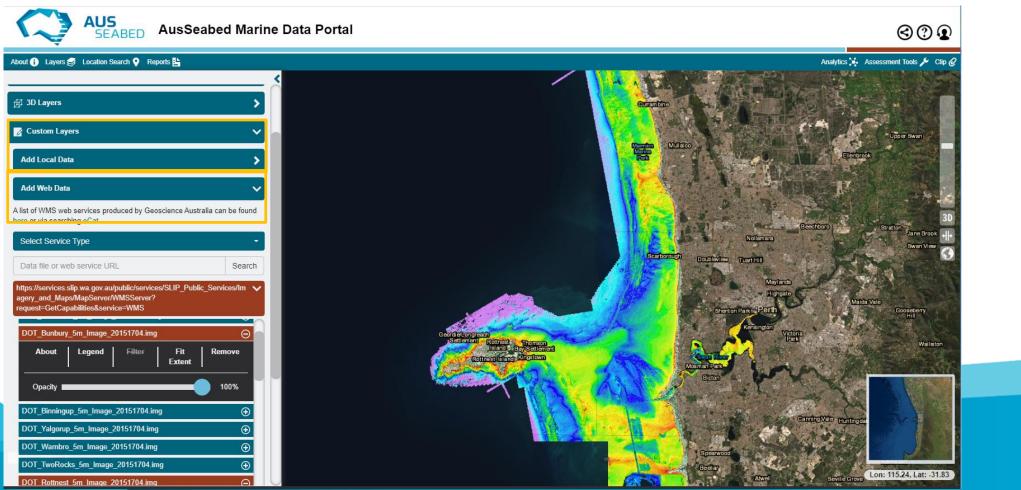
# Adding your own datasets

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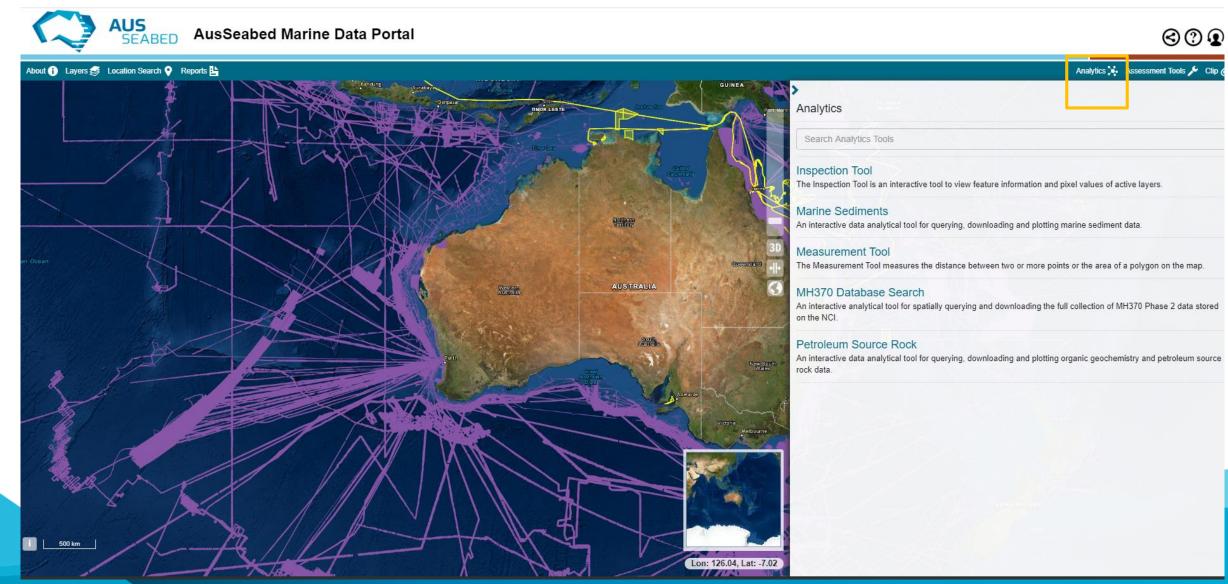
-

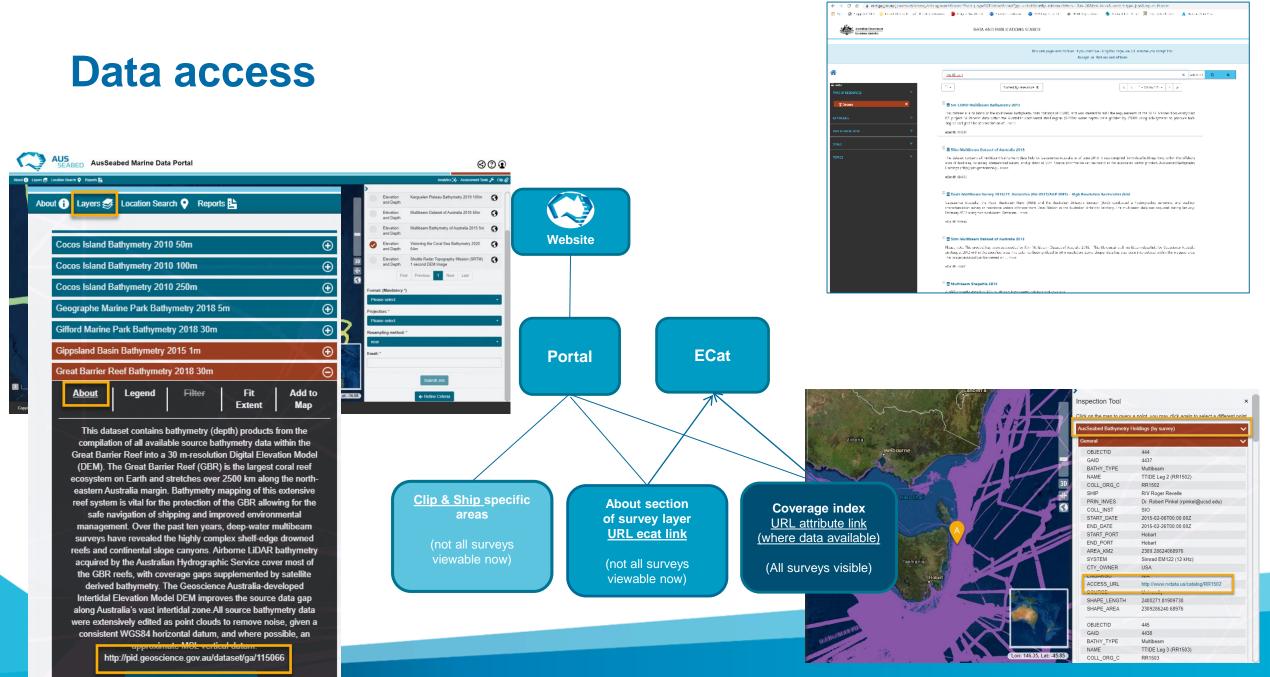
Local data: KML, geotiff, netCDF, ESRI

Web Services: Esri Arcmap, WMS, WMTS, KML, csv



# **Functionality**

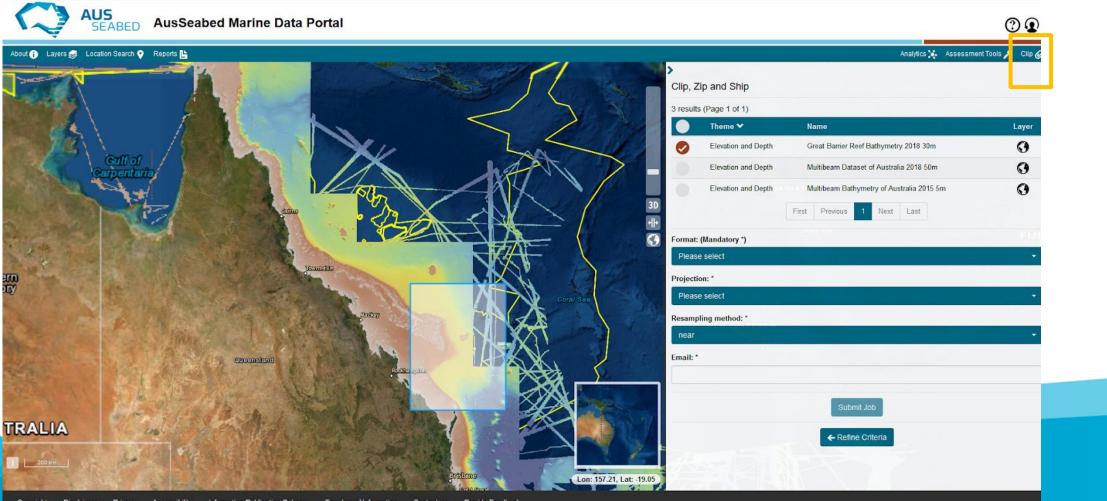




#### **Download Data**

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#### Clip Zip and Ship datasets



# Functionality

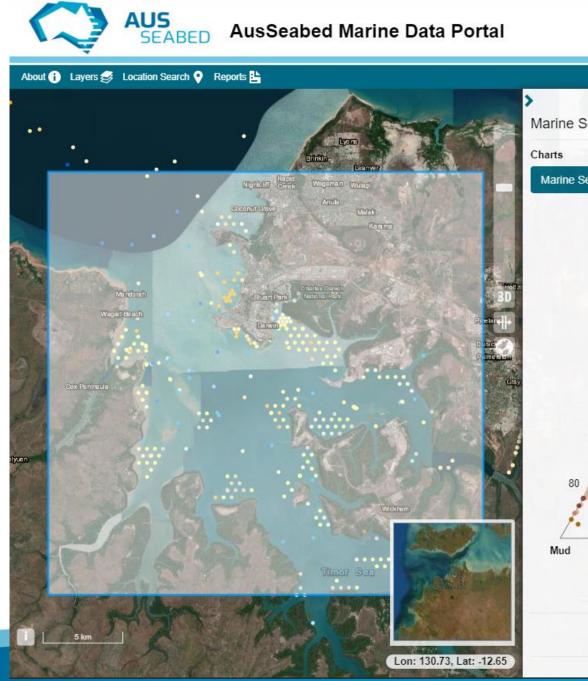
- Marine Sediments tool
- Histograms

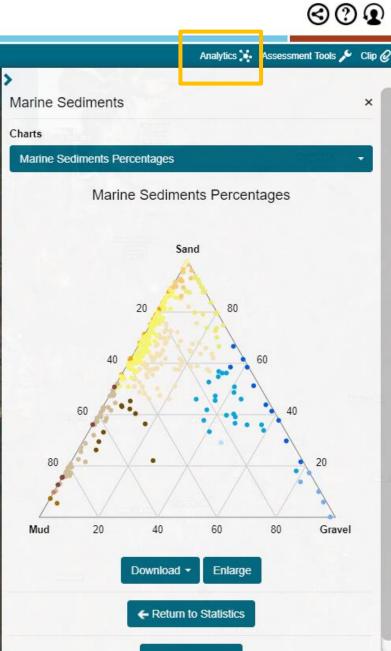
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- Pie charts
- Scatter plots





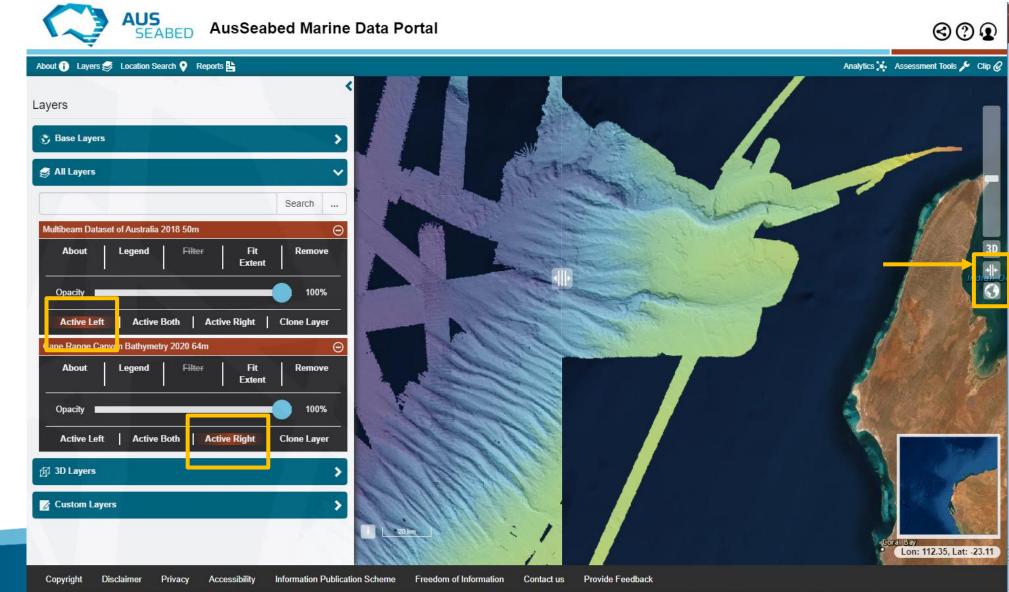
# **Functionality**

- Database search
- Spatial search
- Download URLs to NCI

AUS SEABED AusSeabed Marine Data Portal		S ? ?
About 👔 Layers 😴 Location Search ♀ Reports 皆	_	Analytics 🔆 🖊 ssessment Tools 🗲 Clip 🥝
	AusSeabed MH370 Database Note: Current functionality of this tool is a Search Results 89 results (Page 1 of 9)	
	File Size ♥	Name
	1.06 MB	1402_15A_MBES_EM2040_20150612_090113_WGS84_UTM4
	1.58 MB	0179_15A_MBES_EM2040_20150913_120011_WGS84_UTM4
	1.58 MB	1323_16A_MBES_EM2040_20150608_000000_WGS84_UTM
	1.7 MB	0117_16A_MBES_EM2040_20150830_120002_WGS84_UTM4
	1.78 MB	0029_15A_MBES_EM2040_20150821_100138_WGS84_UTM
	1.78 MB	1322_16A_MBES_EM2040_20150607_231400_WGS84_UTM
	10.54 MB	GP1500_1_20151019_01_BS_Mosaic_1m_UTM45s
	192.1 MB	AUV_Mission023_GP1500_5_BS_Mosaic_1m_UTM45s.gdb
	2.38 MB	06649_M148_011_MBES_EM2040_20161205_061549_Eq_Hu
	2.46 MB	2226_15A_MBES_EM2040_20151018_225953_WGS84_UTM
	First     Previous     1     2     3     4     5     6     7     8     9       Next     Last   Total Data Size: 16.22 GB	
San and the second s		
10)		Download -

# **Functionality – Splitter tool**

Two (or more) active layers



# **Functionality – 3D tool**



Layers

🦪 All Layers

Framework Geomorphology Geophysics

Sedimentology

# 3D Layers

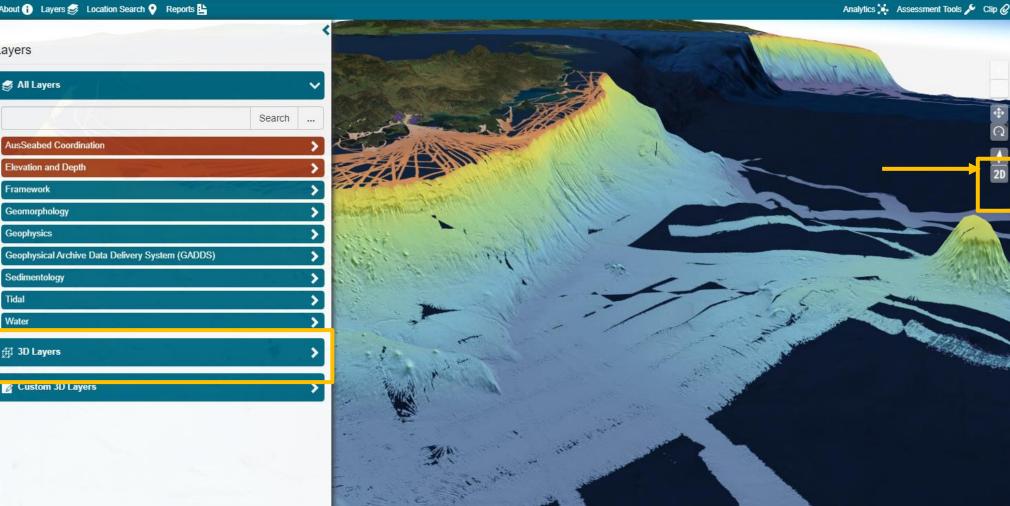
Custom 3D Layers

Tidal Water

AusSeabed Coordination Elevation and Depth

AUS SEABED AusSeabed Marine Data Portal

#### About 👔 Layers 🥪 Location Search 💡 Reports 🏪



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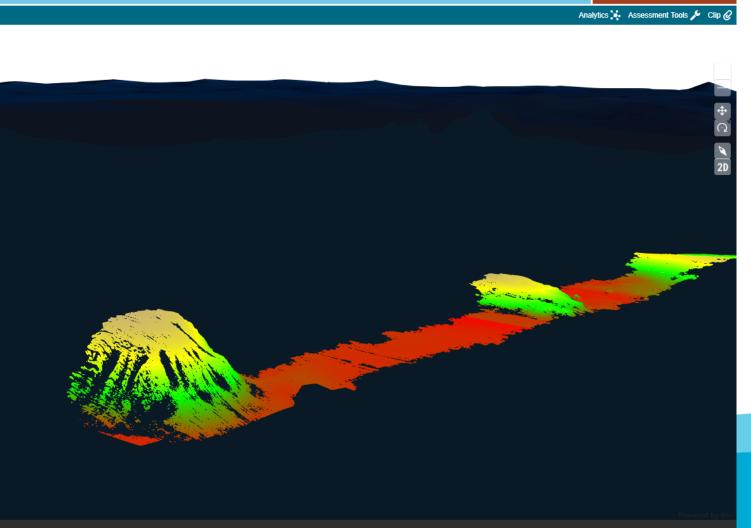
## **Functionality – 3D tool**

Australian Government Geoscience Australia

Geoscience Australia Portal

#### About 🕦 Layers 🥩 Location Search ♀ Reports 皆





## Limitations

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- Some polygon layers a bit slow to load
- Identify tool only works for data in the Portal
- 3D tool under development
- Downloading bathymetry datasets via clip and ship
- Customisable colour ramps/styles
- Selecting an area and showing all available datasets (future)

#### **Future**

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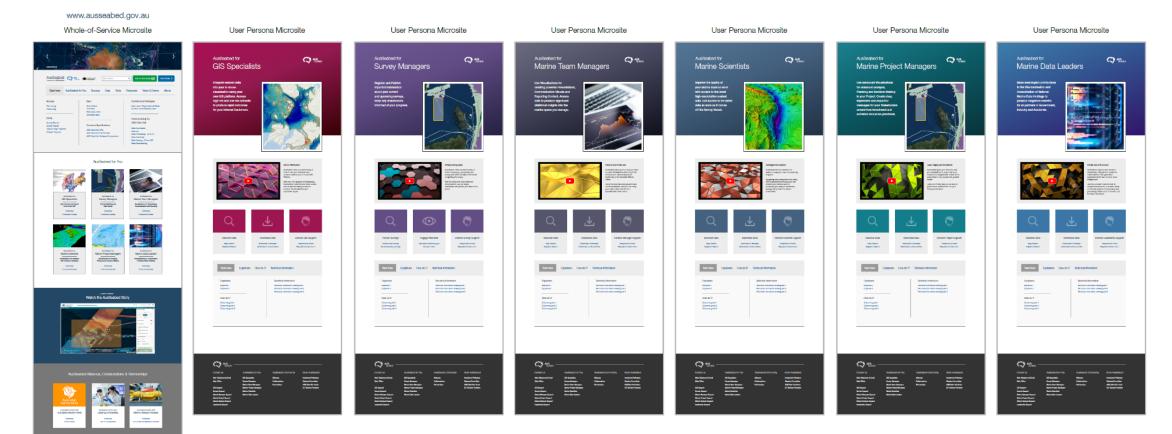
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- Merging of the Elevation portal (ELVIS) and AODN
- User Manual





# **Future**





#### AusSeabed Portal: co-designed with end-users

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 Control
 Andread Street

 Street
 Andread Street

 Street
 Market Street



#### \* Quick demo of commonly used tools

#### **Further information**

Web: www.ausseabed.gov.au Email: ausseabed@ga.gov.au

# **Downloading Polygon data**

