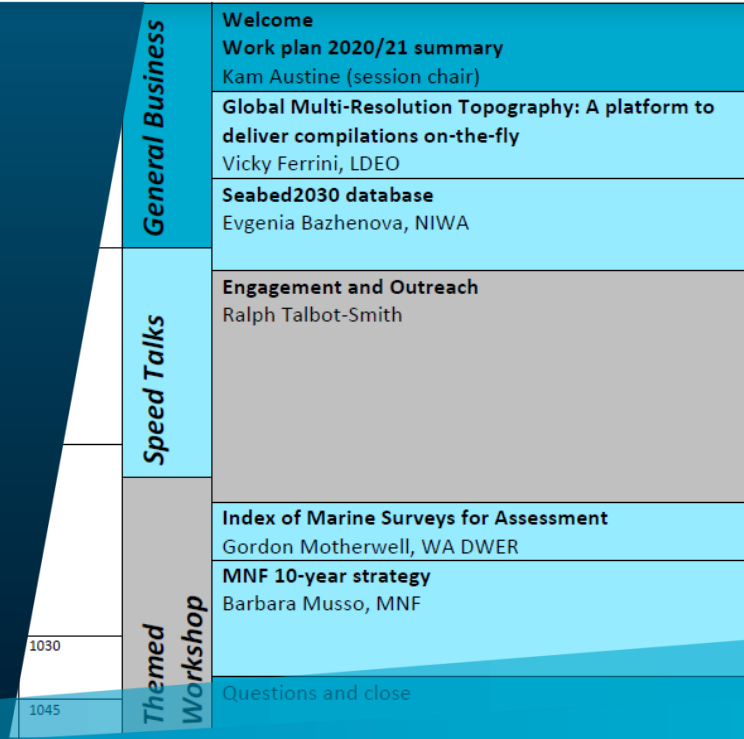
AusSeabed Webinar: August 28th

Data sharing and collaboration (with Outreach, education and engagement workshop activities)



Total Registrants

Individuals: 176

Countries: 19

Organisations: 93

Total Participants

Individuals: 89

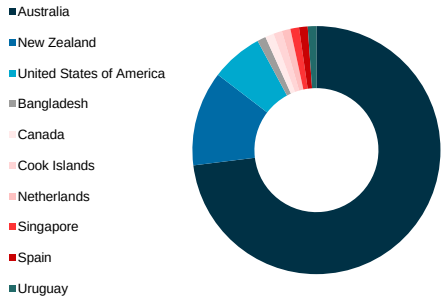
Countries: 10

Organisations: 47

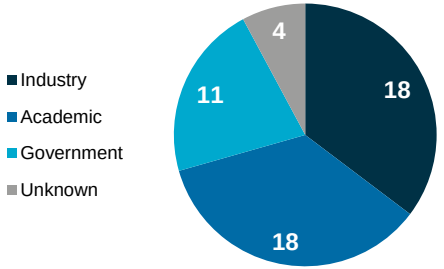
Average Duration Online

97 min

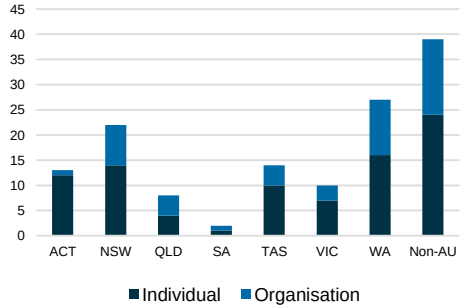
Country Participation by Individuals



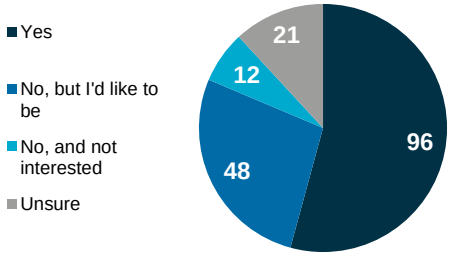
Sector Participation by Organisation

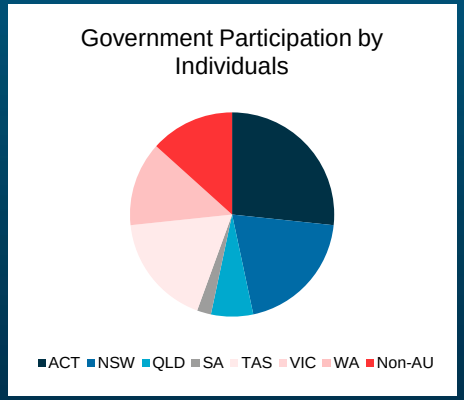


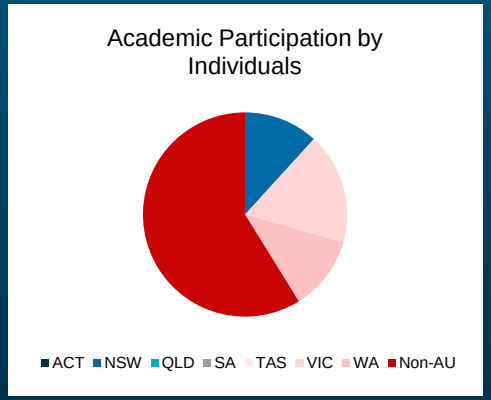
State/Territory Participation

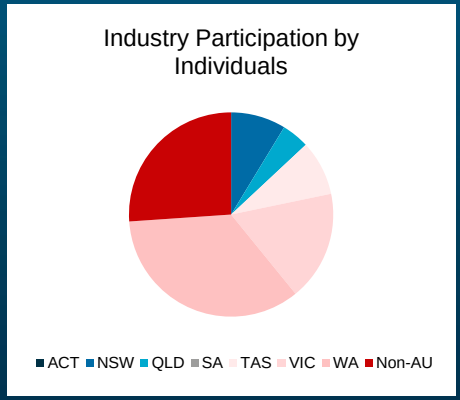


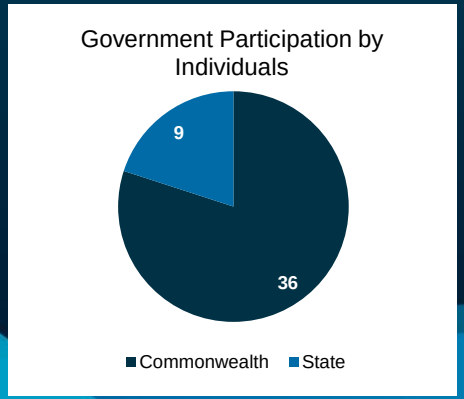
Are you on the AusSeabed Mailing List?

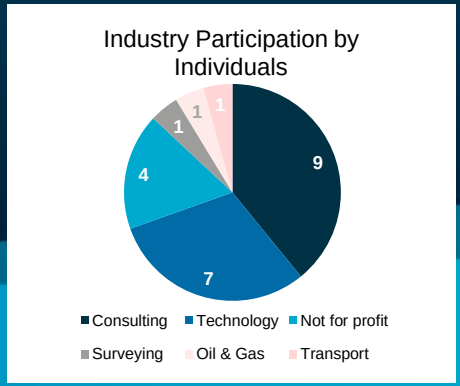



Government Participation by Individuals
ACT NSW QLD SA TAS VIC WA Non-AU


Academic Participation by Individuals
ACT NSW QLD SA TAS VIC WA Non-AU


Industry Participation by Individuals
ACT NSW QLD SA TAS VIC WA Non-AU


Government Participation by Individuals
9
36
Commonwealth State


Industry Participation by Individuals
9
7
4
1
1
1
Consulting Technology Not for profit
Surveying Oil & Gas Transport

Entities in attendance

Government
Australian Antarctic Division
Australian Hydrographic Office
Australian Institute of Marine Science (QLD)
Australian Institute of Marine Science (WA)
City of Gold Coast
CSIRO (TAS)
CSIRO (WA)
Geological Survey of Canada
Geoscience Australia
Land Information New Zealand
NSW Department of Planning, Industry and Environment
QLD Department of Environment and Science
Royal Australian Navy
SARDI Aquatic Sciences
Transport for NSW
UK Hydrographic Office
WA Department of Transport
WA Department of Water and Environmental Regulation

Industry
Busselton Jetty
EGS Survey
Elgin Associates
Esri
FrontierSI
Fugro
Fugro NZ Ltd
IIC Technologies.Ltd
Inpex
Johnson Outdoors
Kongsberg Maritime
Nautilus Environmental and Engineering
Pawsey
Port of Brisbane Pty Ltd
Project Planning Advisory
Teledyne Caris
TMA BlueTech
Veris

Academic
Curtin University
Deakin University
GNS Science
Lamont Doherty Earth Observatory
Lund University
Macquarie Unversity
Murdoch University
NZ National Institute of Water and Atmospheric Research
UdelaR
University of Chittagong
University of Wollongong

Q&A

Question: Is this webinar being recorded and will it be available to download?

Answer: Yes, all webinars are being recorded and will be available to download. Each month's recording, presentations and Q&A will become available on the AusSeabed website.

Q&A

Question: Vicky, In the grid generator, what are the options for 'feathering' the interface between low and high resolution data to reduce large discontinuities between datasets?

Answer: We used to do blending but we don’t anymore as this process was adding artefacts on the edges. The only “blending” that we do are the multibeam cruises that we bring together into the multibeam compilation component. The way that we integrate that with the contributed grids is more of a layering with some rulesets based on the different datasets in the contributed grids piece.

Q&A

Question: Vicky, what infrastructure/ language is GMRT written in?

Answer: Currently uses JAVA, MB System, GDAL, some python. Working on evolving away from java – web services and front end are still somewhat dependant on java, otherwise have adopted service standards (OGC compliance etc).

Q&A

Question: Vicky, in terms of overlapping data, how do you account for weighting in terms of quality?

Answer: The way with MB data, as we go through process of QA/QC a weight value is assigned to the cruise (1-10: poor-good). Weighted value gets integrated into the blended grid - e.g. something that is weighted as a 10 will dominate something that is weighted as a 1. Could be refined further to a higher level.

Also working on code to extract and “fix” a cruise from the blended compilation.

Q&A

Question: Vicky and Evgenia, is the same data source code used for Seabed2030 being used for GMRT too?

Answer: We know which pieces of GMRT are from the multibeam compilation and that gets contributed to seabed 2030.

We don’t handle the total integrated depth in the same way.

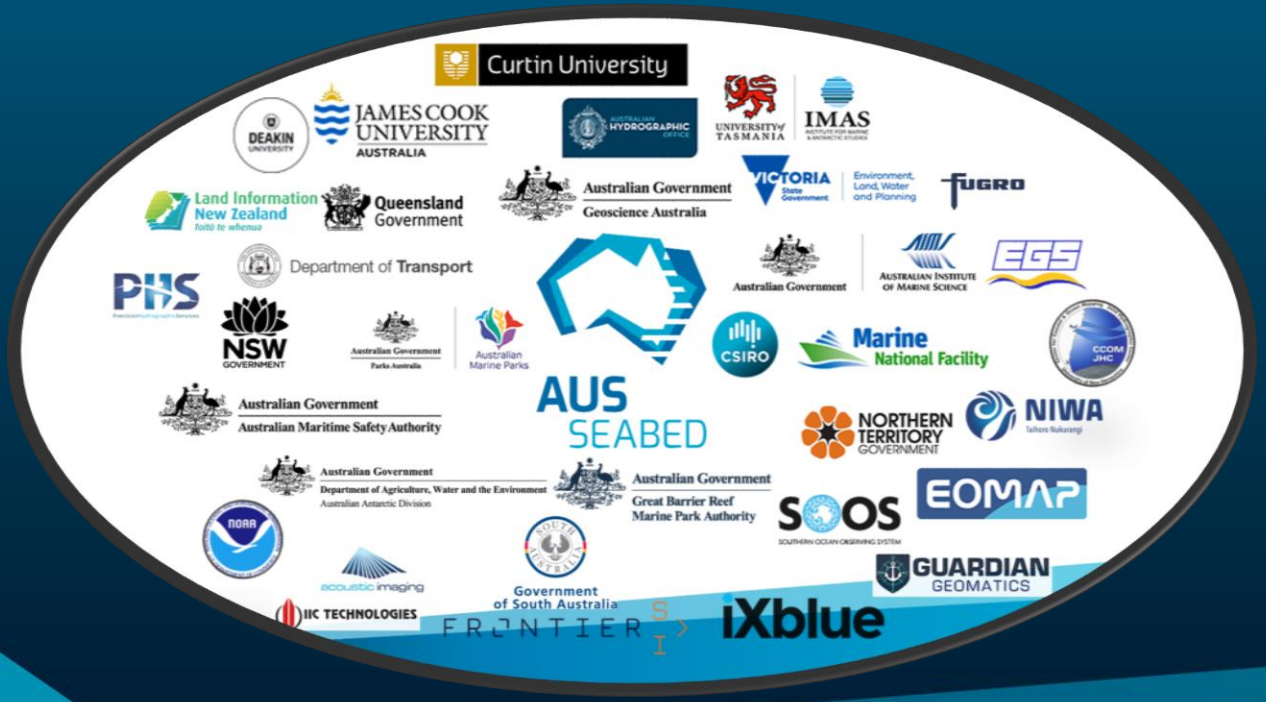
The biggest challenge is being provided a gridded data set with interpolation, which while great for science is terrible for data integration because ideally you’d be able to mask out depths that weren’t supported by data.

Q&A

Question: Gordon, you mention that there are some items in here that are relevant to AusSeabed - can you give a quick explanation of how IMSA might work with/integrate with AusSeabed?

Answer: We don't get a lot of bathymetry data but we do get a lot of MB for offshore. Mostly its sat derived bathy that is captured at the same time as benthic habitat data. I'm still not sure how we will integrate with AusSeabed—got to have those talks with Ralph and the other AusSeabed people. But whatever seabed data IMSA get in, it can be accessed and will hopefully flow in to that portal.

Thank you!



Future Webinars
Each seminar will be held on the last Thursday of the month from June to September and run from 1100–1245 AEST.

September (24th): Cross sector talks on the applications of seabed mapping (with program strategy activities)—register here.

Visit: www.ausseabed.gov.au or
Email: ausseabed@ga.gov.au