

AusSeabed Webinar: September 24th

Cross sector talks on the applications of seabed mapping (with Community building discussion)

General Business

Aero Leplastrier, GA (Session Chair)

The US Ocean Mapping Strategy

Alan Leonardi, NOAA, USA

Ship anchorages and benthic habitat

Allison Broad, UOW

Submarine cables and connecting Australia

Joanna El Koury, EGS

Queen Charlotte Sound Mapping

Sally Watson, NIWA

Questions

A new 30m bathymetry model for the Torres Strait

Rob Beaman, James Cook University

Elizabeth, Middleton & the cyclone

Andrew Carroll, GA

Speed Talks

Applying attribute-based classification and typology to seabed mapping in Queensland

Maria Zann, QLD DES

Workshop

AusSeabed 10 year strategy

Kim Picard, GA

Total Registrants

Individuals: 189

Countries: 25

Organisations: 103

Total Participants

Individuals: 95

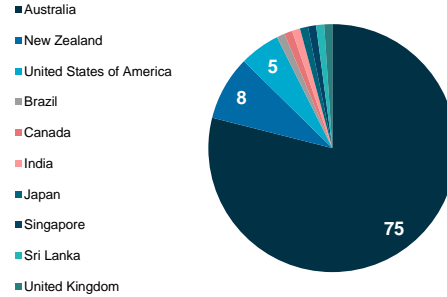
Countries: 10

Organisations: 46

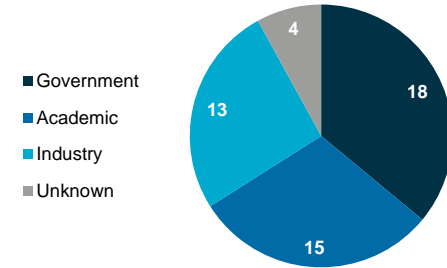
Average Duration Online

93 min

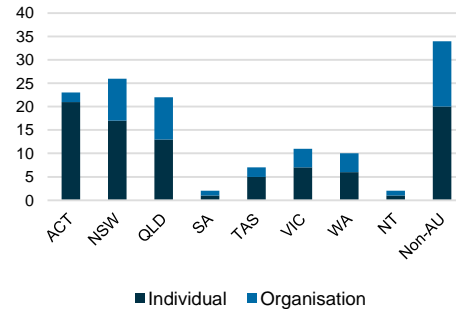
Country Participation by Individuals



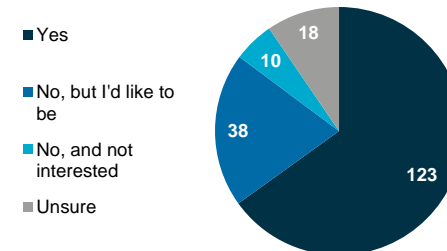
Sector Participation by Organisation



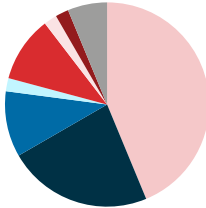
State/Territory Participation



Are you on the AusSeabed Mailing List?

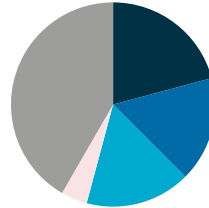


Government Participation by
Individuals



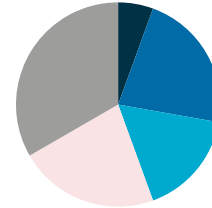
■ ACT ■ NSW ■ QLD ■ SA ■ TAS ■ WA ■ NT ■ Non-AU

Academic Participation by
Individuals



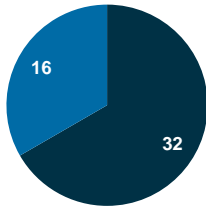
■ NSW ■ QLD ■ VIC ■ WA ■ Non-AU

Industry Participation by
Individuals



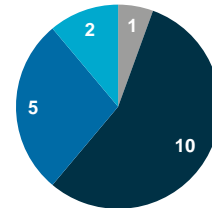
■ NSW ■ QLD ■ VIC ■ WA ■ Non-AU

Government Participation by
Individuals



■ Commonwealth ■ State

Industry Participation by
Individuals



■ Engineering ■ Consulting ■ Technology ■ Not for profit

Entities in attendance

Government	Industry	Academic
Australian Antarctic Division	AECOM	Curtin University
Australian Hydrographic Office	EcoCoast Consulting	Deakin University
Australian Institute of Marine Science	EGS Survey	Federal University of Espírito Santo
Australian Maritime Safety Authority	FrontierSI	General Bathymetric Chart of the Oceans
City of Gold Coast	Fugro	James Cook University
CSIRO	Fugro NZ Ltd	Lamont Doherty Earth Observatory
Geoscience Australia	GHD Pty Ltd	Macquarie University
Land Information New Zealand	GNS	Murdoch University
NSW Department of Planning, Industry and Environment	Johnson Outdoors Canada	NZ National Institute of Water and Atmospheric Research
NSW Department of Primary Industries	Kongsberg Maritime	Queensland University of Technology
NT Department of Primary Industry and Resources Fisheries	Seismic Asia Pacific	Sabaragamuwa University
QLD Department of Environment and Science	TCarta Marine LLC	Sydney Marine Sand Pty Limited
Queensland Gov Hydraulics Lab	Venture Geomatics Ltd	The University of Auckland
SARDI Aquatic Sciences		University of Melbourne
Transport for NSW		University of Queensland
US National Oceanic and Atmospheric Administration		University of Wollongong
WA Department of Transport		

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](#).

Question: How can I access the AusSeabed Marine Data Portal Publication Schedule?

Answer: <http://ausseabed.gov.au/data/publication-schedule>

The schedule will show one month ahead of time. We welcome your comments.

Question for Alan Leonardi: Did any cross-sector trends emerge from the priority workshop/s?

Answer: Everyone agreed that partnership is key. Generally speaking, nobody has enough resources to do it on their own. By partnering, we can leverage each other's resources and get it done together.

Additionally, everyone recognised that technology will be a true force multiplier for efforts moving forward. We need to embrace, facilitate and foster continued development. Moreover, testing and evaluating technologies so that they can be adopted operationally will be crucial in early stages.

In terms of geographic locations, there was not consensus across sectors. However, the US are interested in:

1. The Aleutian Islands
2. Clarion-Clipperton Fracture Zone
3. Pacific Islands and Territories (due to the unknown nature of these regions and the fact that there may be an amplified demand on the resources there moving forward where the nations might not have the capability or capacity to document and manage what is in their EEZs)

Question for Allison Broad: Do you have any results regarding the availability of 'good' anchorage areas versus the space needed for the number of ships requiring anchorage at any one time?

Answer: It is still a work in progress. We didn't find anything other state/federal water boundary. As ships anchor predominantly in federal waters, we are hoping to map areas near ports to identify good holding ground in the future.

Question: Has anyone collaborated with submarine cable companies to gain access to their survey data?

Answer: Yes, there have been cases where colleagues have been able to obtain bathymetry data from various companies that collect multibeam data to support cable laying. Typically, data are supplied with the proviso that metadata are made opaque, but the bathy data itself may be used in Digital Elevation Model compilations.

Question for Sally Watson: Do you use any automated methods to map geomorphic features (e.g. pockmarks)?

Answer: We didn't in this instance. We're looking to develop methods to do so as it takes a long time to process.

Note: Geoscience Australia has been using some automated methods which they are happy to share.

Question for Sally Watson: What is the method to identify anthropogenic marks, and if it is bathymetry what is the resolution?

Answer: The resolution is 2 m, we were essentially looking at areas and trying to correlate them with what we were seeing in satellite imagery. For example, if we were seeing ships anchored and we saw a mound on the seafloor then we could make a connection.

Question for Rob Beaman: What was the maximum depth achieved by the Satellite Derived Bathymetry for this region?

Answer: About 20-25 m maximum.

Question for Andrew Carroll: Where can I watch the Elizabeth and Middleton highlights video?

Answer: <https://youtu.be/mgqmnCjklxY>

You can also read about the survey [here](#).

Question for Maria Zann: Where can I explore the interactive map?

Answer: <https://wetlandinfo.des.qld.gov.au/wetlandmaps/>

Question for Maria Zann: I've been reading into the QISC scheme, where can I access Module 4?

Answer:

<https://wetlandinfo.des.qld.gov.au/resources/static/pdf/facts-maps/itst/module4.pdf>

