



# AusSeabed Webinar Series

*Bringing the seabed to you*

**Session Chair: Kam Austine** (BD & Technical Manager,  
*EGS Survey*)

27<sup>th</sup> August, 2020

## **Housekeeping**

*Please keep video off and microphone muted unless presenting!  
Type questions in the chat and they will be collated by facilitators.  
Your input is critical!*





*We acknowledge the Traditional Owners of the land and sea country in Australia, The Aboriginal and Torres Strait Islander People.*

*We would like to pay our respects to Elders past and present and extend that respect to any Aboriginal and Torres Strait Islander people who are joining us today.*

**1100 General Business– Kam Austine (BD & Technical Manager, EGS Survey)**

Welcome and Work Plan 2020/21 summary

What's new

**1115 Lightning Talks**

Global Multi-Resolution Topography: A platform to deliver compilations on-the-fly– Vicki Ferrini (Lamont-Doherty Earth Observatory, USA)

Seabed2030 database – Evgenia Bazhenova (National Institute of Water and Atmosphere, NZ)

1135 Engagement and Outreach Workshop session Ralph Talbot-Smith (Department of Transport WA)

**1215 Lightning Talks**

Index of Marine Surveys for Assessment– Gordon Motherwell (Department of Water and Environment Regulation, WA)

MNF 10-year strategy – Barbara Musso, (CSIRO Marine National Facility)

1235 Questions and close – Kam Austine

**AusSeabed Webinar Series**

JUNE 25

JULY 30

AUGUST 27

SEPTEMBER 24

# General Business

Kam Austine





Australian Government  
Geoscience Australia



**Our Mission**  
Department of Transport  
**PHS** Improve the coverage, availability, discoverability and accessibility of seabed mapping data  
Precision Hydrographic Services



Australian Government



**Our Vision**  
By 2030, all available seabed mapping data with a marine estate will be readily and openly available, and new data acquisition will take into account the needs of a wide range of users

**AUS**

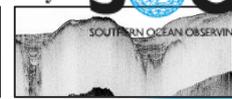
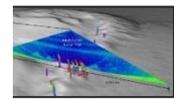
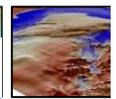
**SEABED**



NORTHERN TERRITORY GOVERNMENT



NIWA



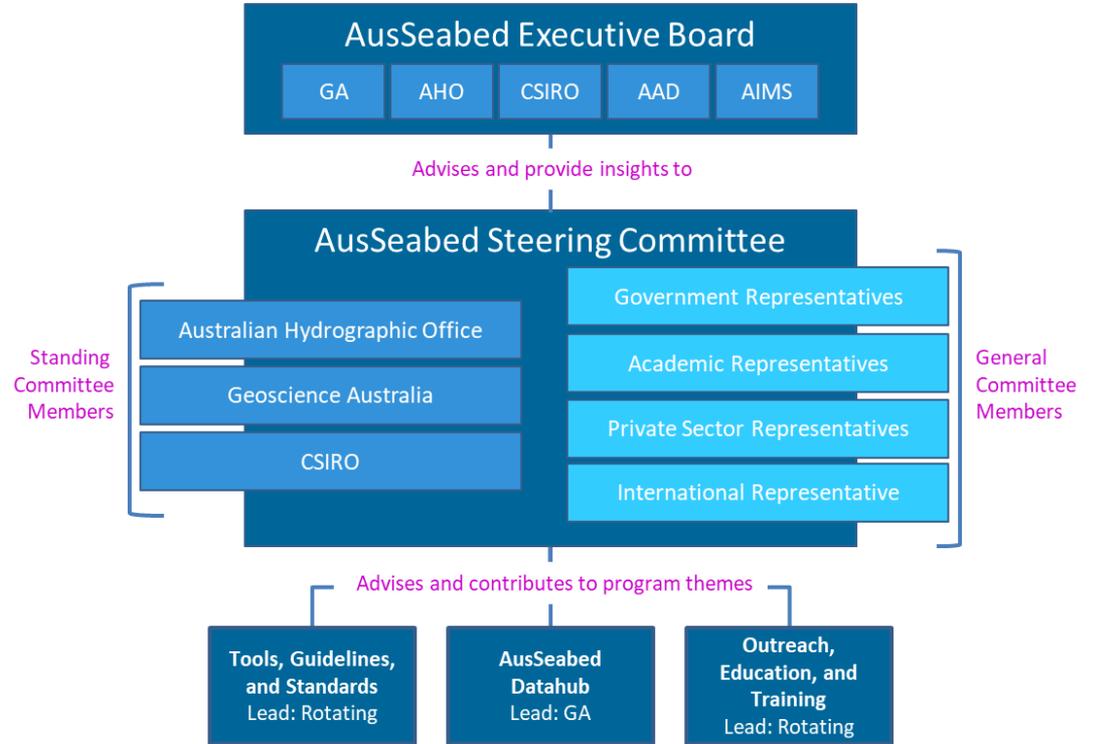
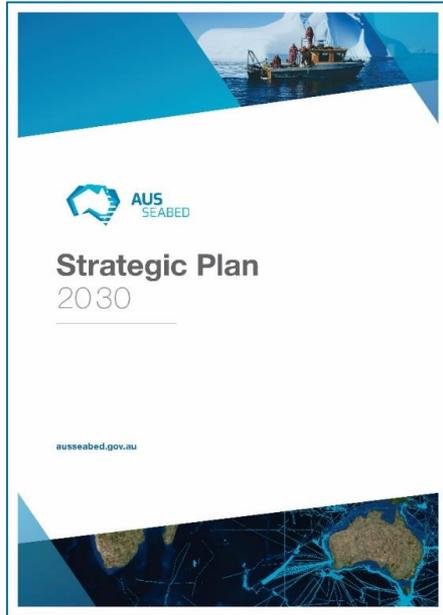
Government of South Australia

BES Water Column

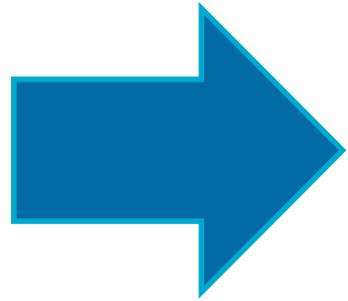
ixblue  
Sub-Bottom  
Sediment  
Samples

FRONTIER

# Governance



# AusSeabed 2020/21 Work Plan



AusSeabed 2020/21 Work plan



# Key activities and outputs

## Accessible Layers & Datasets

National Mapping Priority layer v.2  
(National prioritisation framework workshop)



Provision of MNF & GA Multibeam datasets v.1 (AusSeabed standards)



Provision of AHO HIPP datasets



Provision of 'Local hubs' datasets & 'data provider' datasets v.0

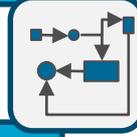


## Infrastructure Development

QA tool operating on most bathymetry data type & including packaging function



Operational MBES Automated Processing Pipeline v.1



Federated data warehouse for known 'local hubs' & all bathy type



Portal & website optimisation based on end-user engagement



# Key activities and outputs

## Governance & Management

Economic Benefit Analysis



ARDC proposal



Agreements with key partners



## Engagement & Communication

Workshop with Index of Marine Survey Assessment group in WA



Workshop with marine estate managers & decision-makers from Commonwealth & State Gov's



Training material for Tools & Portal



Guidelines for various bathy data types



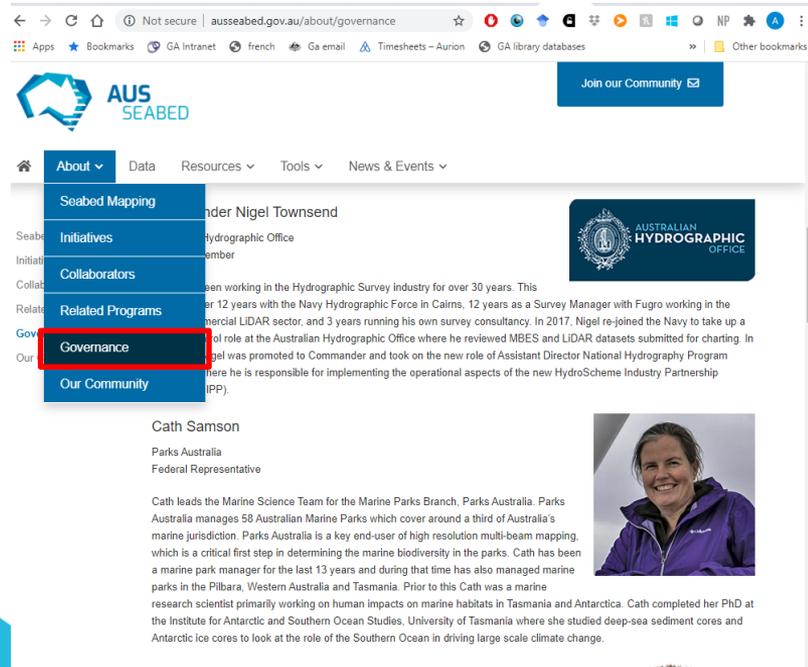
# Budget and key partners

Overarching activities	FTE	Hard cost
Governance and management	0.5	\$75,000
Engagement and communication	1.0	\$30,000
Accessible data and layers	2.0	\$15,000
Infrastructure development	6.0	\$135,000
<b>Total</b>	<b>9.5</b>	<b>\$255,000</b>



# What's new since the last webinar?

Dr Cath Samson has joined the Steering Committee!



The screenshot shows the AUS SEABED website. The navigation menu is open, and the 'Governance' item is highlighted with a red box. Below the menu, the 'Cath Samson' profile is visible, including her title as 'Parks Australia Federal Representative' and a brief biography of her work in marine science and hydrography.

**Federal Member:**

Department of  
Agriculture,  
Water and  
Environment



**New Representative:**  
Dr Cath Samson

# What's new since the last webinar?

Email [ausseabed@ga.gov.au](mailto:ausseabed@ga.gov.au) if you would like to know more, or register as a user!

The AusSeabed Survey Coordination Tool has gone live!

Latest News

- Survey Coordination Tool Is Live!**  
25 August 2020
- Version 2 of the Australian Multibeam Guidelines published!**  
31 July 2020
- Visioning the Coral Sea**  
29 July 2020

**Survey Coordination Tool**  
PRIORITIES, REQUESTS AND PLANNING

Plan Name	Status	Date
Cape Leeuwin WA	Planning	July 1, 2017
Esperance WA	Scheduled	July 1, 2017
Great Barrier Reef South QLD	Planning	June 30, 2020
Holothuria Banks WA	Planning	July 1, 2019

- HOME
- PLANS
- REQUESTS
- PRIORITY AREAS

Welcome to the ASB Survey Coordination Tool

- About
- Survey Plans
- HIPP Requests
- Priority Areas

# What's new since the last webinar?

## Annual Report has now been published!

The screenshot shows the AusSeabed website homepage. At the top, there is a navigation bar with the AusSeabed logo and a 'Join our Community' button. Below this is a secondary navigation menu with 'About', 'Data', 'Resources', 'Tools', and 'News & Events'. The 'Resources' menu is expanded, showing options like 'Relevant Guidelines', 'System Capability Catalogue', 'Systems Available', 'Publications & Presentations', 'Education', and 'Permit Information'. A red arrow points from the 'Publications & Presentations' menu item to the right. Below the navigation is a 'Latest News' section with three news items: 'Survey Coordination Tool Is Live!' (25 August 2020), 'Version 2 of the Australian Multibeam Guidelines published!' (31 July 2020), and 'Visioning the Coral Sea' (29 July 2020).

The image shows the cover of the AusSeabed Annual Report 2019/20. The top left corner features the AusSeabed logo. The main visual is a photograph of a seabed with several rays resting on the sand. The text on the cover includes the date '27<sup>th</sup> August 2020' and the title 'AusSeabed Annual Report 2019/20'. The website address 'ausseabed.gov.au' is located at the bottom right corner.

## Lightning Talks

Global Multi-Resolution  
Topography: A platform to deliver  
compilations on-the-fly

Vicki Ferrini (LDEO, USA)

Seabed2030 database

Evgenia Bazhenova (NIWA, NZ)



**Quick 3 minute break!**



# Workshop Activity

Outreach and Engagement

Ralph Talbot-Smith (WA DoT)



## Lightning Talks

Index of Marine Surveys for  
Assessment– Gordon  
Motherwell (WA DWER)

MNF 10-year strategy –  
Barbara Musso, (CSIRO MNF)



# Questions and Close

Kam Austine



# AusSeabed Webinar Series: Bringing the seabed to you

**DATES** Tune in from 1100 - 1245 AEST on the last Thursday of each month

~~**JUNE 25** National to International perspectives on seabed mapping~~

~~**JULY 30** Mapping for management in the Anthropocene~~

~~**AUGUST 27** Data sharing and collaboration~~

**SEPTEMBER 24** Cross sector talks on the applications of seabed mapping

The session schedules will be available on the AusSeabed website

AusSeabed Webinar Series  
**Thursday 24 September 2020, 1100 – 1245 AEST**  
**Talks:** Cross-sector talks on the applications of seabed mapping  
**Workshop theme:** AusSeabed 10 year strategy

## Welcome

**Work plan 2020/21 summary**  
CMDR Nigel Townsend, AHO  
(Session Chair)

## US Ocean Mapping Strategy

Alan Leonardi, NOAA Ocean Exploration Research Office, USA

**Ship anchorages and benthic habitat** Allison Broad, UOW

**Submarine cables and connecting Australia** Joanna El Koury, EGS

**Australasian Hydrographic Society** Kam Austine, EGS

**Queen Charlotte Sound Mapping** Sally Watson, NIWA

**Elizabeth, Middleton & the cyclone** Andrew Carroll, GA

# Thank you

