

AusSeabed - Bringing the seabed to the surface

Progress Update

6th November, GEBCO Symposium, Portsmouth

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Geoscience Australia





Australian Government
Geoscience Australia



Environment,
Land, Water
and Planning



Department of Transport

To improve the coverage, accessibility



Office of
Environment
& Heritage



Australian Government
Parks Australia



Australian
Marine Parks



Australian Government



Australian Institute
of Marine Science



quality, discoverability and community.

Our Vision

By 2030, all available seabed mapping data within the Australian marine estate will be readily and openly available, and new data acquisition will take into account the needs of a wide range of users.



Australian Government

Australian Maritime Safety Authority



Australian Government

Department of the Environment and Energy

Australian Marine Parks



Australian Government

Great Barrier Reef

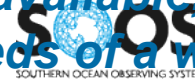
Marine Park Authority



NORTHERN
TERRITORY
GOVERNMENT



NIWA
Taihoro Nukurangi



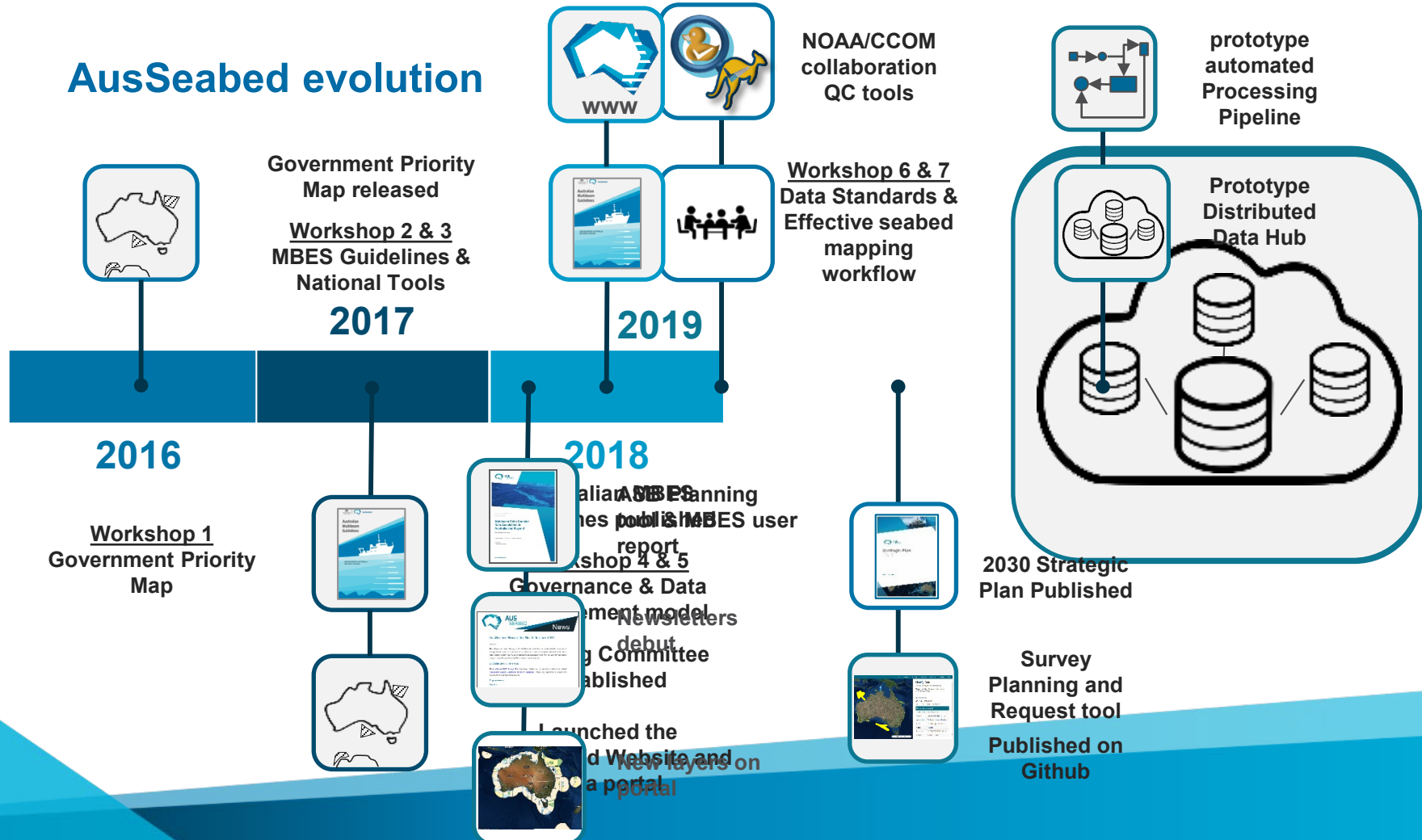
Government of South Australia
Department for Environment
and Water



GUARDIAN
GEOMATICS

FRONTIER S I > iXblue

AusSeabed evolution



AusSeabed Trajectory

Becoming Operational

2020

**Data Hub MVP1
Bathy & MBES-centric**

1. Survey Planning
2. QA & Packaging
3. Automated cloud processing pipeline
4. Distributed Data Warehouse
5. Discovery Portal (GMRT)

Broadening our Reach

2021

**Data Hub MVP2
Crowd-sourced (SBES) &
major bathy types**

Seamless Topo & Bathy

**Gridding on the fly from
point cloud**

**Integration with
AODN &
Research portal
Seamap Australia
(habitat for policy-making)**

Ensuring Endurance

2022

**Open source
processing pipeline**

**Integrated & Distributed
Data Hub
(code through **GitHub**)**

**Plan for other data types:
Backscatter, Sediments,
SBP, WC**

Call for collaborators

Please get in touch if you would like to contribute to any of the following pieces of work:

- Survey planning and prioritisation tools
- Automated QA checks
- Automated processing for bathymetry
- Distributed Data Warehousing infrastructure

AusSeabed is adopting open-source technologies, formats and data to facilitate adaption and adoption at all scales

Thank you

This presentation reflects the efforts from the many Australian and international collaborators to AusSeabed.

Further information

Visit: www.ausseabed.gov.au

Or Email: ausseabed@ga.gov.au

