AusSeabed - Bringing the seabed to the surface
Progress Update

6th November, GEBCO Symposium, Portsmouth

Aero Leplastrier* and Kim Picard
Geoscience Australia
Our Mission
To improve the coverage, awareness, quality, discoverability and accessibility of seabed mapping data for the Australian 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.
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

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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