



NLA INTERNATIONAL

Seabed 2030 – Wind in the Sails (WITS)
programme overview
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Wind in the Sails

Seabed 2030: From Concept to Reality



Welcome

Introductions

- NLAI

Aim

Provide an overview of the WITS project, the work completed in Phase 2 and next steps for 2022-23 in Phase 3.



Objectives of Wind in the Sails

Phase 1

Rapid Evidence Review and Fast Action Priority List (2020-2021) - **Complete**

Phase 2

Detailed modelling, benefit extrapolation and prioritisation of need (2021-2022) - **Complete**

Phase 3

Benefits analysis and determination of global prioritisation (2022-2023) – **Commences September 2022**

Phase 4

Release of Interactive Priority Action Map and revised strategy (2023-2024).

Note:

It was identified at the end of Phase 2 that there was a need for additional work to be completed (now Phase 3) before the final phase (Phase 4) could be undertaken.



Phase 2 Objective 3 - Quantitative analysis and prioritisation of global seabed mapping survey responses

- Online user survey - 796 responses across 90 countries.
- A detailed quantitative analysis conducted across 12 ocean regions.
- Determination across all sectors of data priorities.
- Identification of bathymetric data / seabed mapping needs within inshore (territorial waters) and offshore waters (EEZ) for each ocean region.



NLA International–Seabed 2030 Online Survey

Report

Quantitative analysis and prioritisation of global seabed mapping survey responses

November 2021





Phase 2 Objective 4 - Catalogue of premium models for Seabed Mapping Benefits Analysis

Purpose: Reviewed models used by geospatial bodies, identifying factors that could be used by Seabed 2030 in the calculation of environmental, social, and economic benefits from mapping currently uncharted areas of the seabed, which would determine “Value” and “Benefit”, the Value Proposition for investors and donor funders.

Approach:

1. Assessed key parameters and definition to inform benefit analysis.
2. Reviewed key public, private and geospatial community sector approaches to benefits analysis.
3. Evaluated key benefits models and their respective relevance for Seabed 2030.
4. Drafted an initial benefits assessment approach.
5. Dedicated benefits workshop to validate benefits ‘logic’ with Seabed 2030 Data Centre's.

Key Outcomes:

1. Introduction of a seabed mapping benefits assessment logical approach for Seabed 2030 consideration.
2. Signposted Seabed 2030 towards good practice ‘entities’ benefits assessment approaches.
3. Report: Catalogue of premium Model for Seabed Mapping Benefits Analysis.



Phase 2 Objective 5 - Proposed model for Seabed 2030 – Seabed Mapping Benefits Analysis and Prioritisation

Purpose:

- (i) A Seabed 2030 seabed mapping approach, including benefits analysis objectives, purpose, outline methodology and target outputs.
- (ii) A review on seabed mapping prioritisation modelling, proposing an optimum seabed mapping prioritisation approach for Seabed 2030 consideration.

Approach:

1. **Identified the objectives and purpose for seabed mapping prioritisation** and applied this as basis for a review of the currently available and used seabed mapping prioritisation approaches.
2. **Provided an initial review on available seabed mapping prioritisation tools**, e.g., AusSeabed, GEBCO and how they may be able to support Seabed 2030.
3. Produced an initial **Seabed Mapping Prioritisation Framework Approach**.
4. Held a **dedicated prioritisation framework approach workshop** to inform and validate the proposed prioritisation 'logic'.

Key Outcomes:

1. Introduction of a baseline seabed mapping prioritisation framework and logical approach for Seabed 2030 consideration.
2. Signposted Seabed 2030 towards further review of AusSeabed, GEBCO tools, and elements of AORA approach.
3. Report: Proposed Model for Seabed 2030 – Seabed Mapping Benefits Analysis and Prioritisation.



Phase 3 Objective 6 – Seabed 2030 benefits analysis / review key areas

Purpose: Production of Seabed 2030 parameters, and production of Seabed 2030 benefits documentation – Value Chain, Executive Fact Sheet, Value Proposition and a set of Use Case Evidence.

Five Key activities:

1. Define a '**Regional Segmentation**' of the Global Oceans into **Regional Areas of Interest** for the purposes of benefits analysis and seabed mapping prioritisation.
2. **Define and Document a Value Chain for Seabed 2030**, to inform benefit analysis / value analysis, and to inform Seabed 2030 organisation operating model future evolution.
3. **Define and document a list of sectors (economic impact sectors)** for Seabed 2030 benefits analysis and economic value assessment work.
4. **Collate and produce a set of Seabed 2030 use cases** to inform the Seabed 2030 benefits analysis model, evidence the evolving Seabed 2030 business case, and be to support Seabed 2030 strategic communications.
5. **Produce a Seabed 2030 Executive fact sheet** on the Seabed 2030 mapping programme.

Six Key Outputs:

1. **Regional Segmentation** Document
2. **Value Chain** Document
3. **Economic Impact Sectors** Document
4. **Executive Fact Sheet**
5. **Value Proposition** Document
6. **Use Cases** (up to 12 in total)

Resulting in:

Seabed 2030 provided with critical documentation and evidence to inform, simplify and expedite Seabed 2030 business case development. The Justification, evidence and articulation of Seabed 2030 benefits.

Phase 3 Objective 7 (deferred to 2024) - Seabed 2030 Prioritisation



Purpose: Develop the proposed Seabed 2030 seabed mapping prioritisation approach into a documented methodology, define the requirements for and design a prioritisation process and platform toolkit, test the workflow through prototype scenarios, informing the case for future adoption and implementation.

Six Key activities:

1. Define / document Seabed 2030 **Seabed Mapping Prioritisation go to workflow processes.**
2. Propose & Validate Seabed 2030 **Seabed Mapping Prioritisation Tool User Needs/Requirements.**
3. **Review the GEBCO SCRUM Data Prioritization Web App.** & provide a Gap Analysis of Seabed 2030 needs.
4. **Review the AusSeabed Prioritisation Tool** & provide a Gap Analysis of Seabed 2030 needs
5. Present a **tailored Seabed Mapping prioritisation tool architecture & design** for Seabed 2030 consideration, with implementation plan.
6. Agree with Seabed 2030 a scenario set to be used for future tool configuration, customisation, or development.

Five Key Outputs:

1. Seabed 2030 Seabed Mapping Prioritisation Process Document.
2. Seabed 2030 Seabed Mapping Prioritisation Tool User Needs/Requirements Document.
3. **GEBCO SCRUM Data Prioritization Web App. and AusSeabed Gap Analysis Report.**
4. **Seabed 2030 Seabed Mapping prioritisation tool architecture and design, with implementation plan.**
5. Seabed 2030 scenario workflow to be used to implement the Seabed 2030 prioritisation tool.

Resulting in:

Seabed 2030 provided with a robust and tailored seabed mapping prioritisation methodology and process, with a set of requirements and design for a Seabed 2030 seabed mapping prioritisation toolkit (platform).



Phase 3 Objective 8 – Targeted community engagement

To inform both benefits analysis and global prioritisation work (including by online survey and one to one informed user engagement).

- Take forward the **user online survey responses** and **quantitative analysis report results** to national bodies (Hydrographic Offices) and agencies to review/ratify priorities.
- Produced a global prioritisation strategy which is recognised and universally supported.

Phase 3 Objectives 6-8

Outputs from Objectives 6-8 will contribute towards:

- Seabed 2030 evolving business case supporting justification, benefit evidence and articulation of benefit for mapping the seabed.

Note:

Seabed 2030 will receive a full benefits qualitative assessment and publication document pack which can be used for:

- Seabed 2030 seabed mapping business case evidencing and funder business case evidencing.

And/or

- For use by economic analyst for a deeper economic value assessment (quantitative study), should Seabed 2030 wish to proceed in this direction.



Questions



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