

# AusSeabed Steering Committee

Meeting no.13: 9<sup>th</sup> November 2022, 13:00-16:00, Virtual

Notes prepared by Kimberlee Baldry

**Attendees:** Ralph Talbot-Smith (WA DoT), Scott Nichol (GA—Director), Tara Martin (CSIRO MNF), Cath Samson (Department of Climate Change, Energy, the Environment and Water), Daniel Ierodiaconou (Deakin University), Tim Ingleton (NSW DPIE), Nigel Townsend (AHO—Chair), Kimberlee Baldry (GA—Observer/Secretariat), Mark Doubell (SARDI), Iain Parnum (Curtin University), David Crossman (IIC Technologies Australasia—Vice-Chair), Richard Cullen (HC Survey), Martin Tunwell (iXblue Pty Ltd), Mardi McNeil (ECOP; GA), Kevin MacKay (NIWA), Kim Picard (GA—Observer), Emma Hickerson (GA—Observer), Pip Bricher (AHO – Observer), Mick O’Leary (UWA—Observer), Natalie Lennard (Geoscience Australia – Presenter)

**Apologies:** None

## Meeting Overview

### Actions list

Table 1. Action list with updates on continuing actions from the previous SC meetings (SC.11, SC.12).

|        | Action  | Responsible Party | Date for Completion | Comments/Status |
|--------|---|-------------------|---------------------|-----------------|
| SC13.1 | Mick O’Leary to discuss with the C+E team on the Australian Geoscience Education Network conference   | Mick O’Leary      | March               |                 |
| SC13.2 | C+E team to discuss how to follow up on the Academic Survey respondents   | Tim Ingleton      | March               |                 |
| SC13.3 | Kim Picard to put Mick O’Leary in contact with GEBCO Education Committee  | Kim Picard        | December            |                 |
| SC13.4 | All SC members to complete the Skills Matrix in the next week and send feedback. Kimberlee Baldry to send a final version around to the SC when complete. | All SC            | Immediate           |                 |
| SC13.5 | Kimberlee Baldry to finalise the 2025 Activities Roadmap and working word document, send to the SC and publish.   | Kimberlee Baldry  | December            |                 |

|          |  |                                   |           |   |
|----------|--|-----------------------------------|-----------|---|
| SC13.6   | Pip Bricher, Kevin MacKay and Neal Evans to have a discussion about citation policies from AusSeabed and to report back to the SC in March.  | Pip Bricher                       | March     |   |
| SC13.7   | Kimberlee Baldry to send through the Annual Report after implementing revisions for endorsement.   | Kimberlee Baldry                  | December  |   |
| SC13.8   | Scott Nichol to cross-check between the AusSeabed Strategy and the Work Plan Introduction.   | Scott Nichol                      | December  |   |
| SC13.9   | Kim Picard to produce an outcomes-based summary of the Aus-US workshop and MoU to present to external stakeholders.  | Kim Picard                        | December  |   |
| SC13.10  | SC members to provide feedback where possible on the GMRT-AusSeabed prototype and to engage with others within their sectors to do the same. Contact Natalie Lennard to do so.   | All SC                            | March     |   |
| SC13.11  | Tim Ingleton and Kimberlee Baldry to integrate impact stories and capturing value in the 2025 Roadmap and Awareness Plan.  | Tim Ingleton and Kimberlee Baldry | December  |   |
| SC13.12  | Scott Nichol to align suggestions with GA use case list and come back to people where needed.  | Scott Nichol                      | March     |   |
| SC13.13  | Scott Nichol to forward the revised First Nations Statement to the SC.   | Scott Nichol                      | Immediate |   |
| SC13.14  | SC to send webinar suggestions to Kimberlee Baldry compile an agenda for March webinars by mid-December  | All SC                            | December  |   |
| SC13.15  | SC to review the Engagement events in the 2022/23 Awareness Plan and to advise Tim Ingleton of missing events to target.   | All SC                            | December  |   |
| SC13.16  | Kim Picard to socialise the SDB guidelines with the IHO community  | Kim Picard                        | December  |   |
| SC13.17  | Nigel Townsend to invite the UKAHO as an observer for the next SC meeting.   | Nigel Townsend                    | February  |   |
| SC.12.12 | Develop the 2022/23 Outreach and Communications Plan and deliver to the SC out of session  | Tim Ingleton and Kimberlee Baldry | November  | Underway  |
| SC.12.13 | Mardi McNeil to follow up with those who participated in the academic survey. Scott Nichol to find a way to put an item in the work plan to produce some tangible materials that are needed.                           |                                   | October   | C+E team to discuss how to follow up with this. |
| SC.12.14 | SC to socialise the First Nations Statement within their organisations by the end of October. Kimberlee Baldry to implement changes as they are received. From this, an action plan should be drafted to move forward. |                                   | October   | Underway. Roadblock with the AHO.               |

## Actions list

Table 2. Decision list with updates on continuing actions from the meeting.

|       | Decision   |
|-------|--|
| D13.1 | The SC endorsed the Election SOP and TOR.  |
| D13.2 | The SC endorsed the Roadmap for publication, after minor edits.  |
| D13.3 | The SC endorsed the Annual Reports for publication, after edits by the chair.  |
| D13.4 | The SC endorsed the Work Plan Overview for publication, after minor edits.   |
| D13.5 | The SC endorsed new quarterly frequency for the newsletter.  |
| D13.6 | The SC decided that AusSeabed will attend the only AMSA symposium, and instead host workshops at the annual HIPP World Hydrography Day conference. |
| D13.7 | The SC decided that the next meeting will be held on March 30th in Perth, hosted by WA DoT   |

# Meeting notes

*Meeting opened 1100*

## 1 Introduction

### 1.1 Welcome

- The meeting opened with an introduction of all committee meeting.
- The AusSeabed SC (SC) endorsed the agenda.
- No items added to Other Business.

### 1.2 Minutes & Actions

- Minutes from SC Meeting #12 were endorsed out of session and will be available on the AusSeabed website.
- Outstanding actions were followed up with the group and an updated list is provided above [Table 1].
- Kimberlee Baldry provided an update on the progress of the Actions list since SC Meeting # 12.
  - Actions SC.12.1-9, SC12.13, 12.15, SC11.1-2, SC11.13 - were closed.
  - Action 12.10 closed in session
  - Updates were provided against actions.
- SC endorse the progress of the action list.
- Mick O'Leary mentioned he has support of the Head of School to undergo a review of Marine Geoscience education at universities. He will attend the Australian Geoscience Education Network meeting in February.
- Kim Picard noted that Mick O'Leary should be involved in the GEBCO Education Committee which are also identifying resources.

*Action SC13.1: Mick O'Leary to discuss with the C+E team on the Australian Geoscience Education Network conference*

*Action SC13.2: C+E team to discuss how to follow up on the Academic Survey respondents*

*Action SC.13.3: Kim Picard to put Mick O'Leary in contact with GEBCO Education Committee*

## 2 TOR and Election SOP

The SC has finished revising the TOR and Election SOP out of session. This time was spent getting SC feedback on the AusSeabed Skills Matrix and encouraging members to complete the task.

**Outcome Sought:** The Steering Committee complete the AusSeabed Skills Matrix.

**Result:**

- Ralph Talbot-Smith asked that the wider SC be involved in any TOR changes moving forward.
- Nigel Townsend asked SC members to fill out the Skills Matrix and send feedback.

*Decision 13.1: The SC endorsed the Election SOP and TOR.*

*Action SC.13.4: All SC members to complete the Skills Matrix in the next week and send feedback. Kimberlee Baldry to send a final version around to the SC when complete.*

## 3 2025 Roadmap

The SC endorsed a new AusSeabed Strategy at the last meeting which is now published: <https://www.ausseabed.gov.au/about/governance>. Since the last meeting the 2025 Roadmap has been revised after SC feedback. The 2025 Roadmap is intended to be a working document that is assessed alongside annual work planning. This is what we present to the Steering Committee for endorsement.

**Outcome Sought:** The SC endorse the 2025 Roadmap for publication.

**Result:**

- Ralph Talbot-Smith the VDC Tool and spelling around this acronym is inconsistent
- Kim Picard the word document needs a little bit of tidying
- The SC agreed to change 4.3 “Pacific Relationships” to “Regional relationships”
- Cath Samson sent some more edits out of session

*Decision 13.2: The SC endorsed the Roadmap for publication, after minor edits.*

*Action SC.13.5: Kimberlee Baldry to finalise the 2025 Activities Roadmap and working word document, send to the SC and publish.*

## 4 Progress Update Q1 2022/23

Scott Nichol (Director) provided a summary of the current progress against the 2021/22 work plan and identified outputs at risk of being delayed or not delivered as per the [Quarterly Report](#).

Tim Ingleton (outreach, education and training) and Nigel Townsend (tools, guidelines and standards) provide significant updates in following agenda items.

**Outcome Sought:** The SC endorse progress made in Q1 and discuss potential upcoming risks

**Result:**

- Nigel Townsend asked what the functionality of Kluster is in the open processing pipeline, and what open source methods NOAA are doing? Is it just for cleaning?
  - Kim Picard noted that it is for both cleaning and processing. Kim Picard noted NOAA have moved away from CARIS, and now are fully open source.
- Scott Nichol provided an overview and update on downloads reporting.
- Ralph Talbot-Smith – Will contributing hubs downloads be reported separately?
  - Kim Picard it depends on the connection method and will be worked out as connections get made.
- Kevin MacKay – do datasets have to be cited individually or is a general AusSeabed citation OK?
  - Pip Bricher and Nigel Townsend – advise that individual citations should be included and “Accessed through the AusSeabed Portal”.
  - Pip Bricher suggested injecting “Accessed through AusSeabed” via code in the citation stream.
  - Pip Bricher, Kevin MacKay and Neal Evans will have a discussion offline to provide direction to the community.

*Action SC.13.6: Pip Bricher, Kevin MacKay and Neal Evans to have a discussion about citation policies from AusSeabed and to report back to the SC in March.*

## 5 Annual Report 2021/22

Kimberlee Baldry provided an update on the status of the 2022/23 Annual Report. The text for the annual report has been drafted after sourcing information for potential highlights from the AusSeabed team, using previous reports and a team workshop. It has been reviewed by the AusSeabed team and is now presented to the SC for a final review.

**Outcome Sought:** The SC endorse the 2021/22 Annual Report for publication.

**Result:**

- Nigel Townsend commented that the Annual Report is near complete.
- Ralph Talbot-Smith – page 9 WADoT logo not included.
- The SC noted that the Annual Report is in good shape.

*Decision 13.3: The SC endorsed the Annual Reports for publication, after edits by the chair.*

*Action SC.13.7: Kimberlee Baldry to send through the Annual Report after implementing revisions for endorsement.*



## 6 Work Plan 2022/23

Scott Nichol provided an overview on adjustments made to the 2022/23 Work Plan since the last Steering Committee meeting and presented it for endorsement. Natalie Lennard provided a short technical talk to solicit SC input on the GMRT-AusSeabed project.

**Outcome Sought:** The SC endorse the 2022/23 work plan for publication.

**Result:**

- Nigel Townsend – ensure that the Introduction to the Work Plan reflects the Strategy. Kim Picard agrees, perhaps we need to work in the tangible outcomes.
- Nigel Townsend requested a more outcomes-based summary of the Aus-US MoU.
- Natalie Lennard put a call out to SC members to do some informal testing on the GMRT-AusSeabed prototype.
- Scott Nichol called the SC to continue to push to engage and spread the value of the AusSeabed program, and to report these to AusSeabed.
- Ralph Talbot-Smith noted that WADoT has been given some federal funding and will be giving presentations to local government stakeholders in coming weeks. Scott Nichol noted that this could be a good case study.
- Nigel Townsend noted that a key impact story we need to sell is coordination. Ralph Talbot-Smith agrees, reducing duplication of expenditure is good. Nigel Townsend follows that we need to advocate the NAI tool more to government. Kim Picard agrees, capturing state views and values is a priority.
- Kim Picard notes that we need to add in a team to collect impact cases in the Awareness Roadmap and 2022/23 Plan.
- Tim Ingleton NSW DPE could also be a good impact case study on coastal inundation.
- Daniel Ierodiaconou and Tim Ingleton note that the cumulative impact of offshore wind could be a good case study.
- Mick O'Leary commented that there are updates undergoing within DCCEW Heritage office to update heritage maps for the seafloor for offshore regulators to make processes easier.
- Kim Picard notes the value of Bob Missouri as an AusSeabed advocate in the commercial space.

*Decision 13.4: The SC endorsed the Work Plan Overview for publication, after minor edits.*

*Action SC.13.8: Scott Nichol to cross-check between the AusSeabed Strategy and the Work Plan Introduction.*

*Action SC.13.9: Kim Picard to produce an outcomes-based summary of the Aus-US workshop and MoU to present to external stakeholders.*

*Action SC.13.10: SC members to provide feedback where possible on the GMRT-AusSeabed prototype and to engage with others within their sectors to do the same. Contact Natalie Lennard to do so.*

*Action SC.13.11: Tim Ingleton and Kimberlee Baldry to integrate impact stories and capturing value in the 2025 Roadmap and Awareness Plan.*

*Action SC.13.12: Scott Nichol to align suggestions with GA use case list and come back to people where needed.*

## 7 Outreach and Communications

Tim Ingleton provided an update on general outreach and communications activities and the development of the 2022/23 Awareness Strategy. Scott Nichol and Nigel Townsend provided an update on the status of the First Nations Statement. The SC discussed planning around the AMSA and Hydroscheme 2023 conferences next year.

### Result:

- Kim Picard noted past engagement at the GEBCO/UKHO event.
- Mick O'Leary presented on submerged cultural landscapes at the Australasian Institute for Maritime Archaeology 2022 Conference
- Ralph Talbot-Smith notes that he and Iain Parnum have been trying to get into First Nations leadership groups to try and get perspectives on the statement.
  - Mick O'Leary comments that AMSA is all about science on Sea Country. Mick O'Leary also notes that it's going to become overwhelming for First Nations representatives with the increased engagement. Responsibility for heritage assessments in WA has now been put back on First Nations representatives. A coordinated approach is needed.
  - Ralph Talbot-Smith notes this has been discussed before about getting representation of FN on the SC.
  - Nigel Townsend notes rangers are currently taken with HIPP and trained up as marine mammal observers.
  - Scott Nichol notes that GA has advertised for a First Nations Engagement Officer - who will be an indigenous person. We could look at inviting them to ASB once they settle in to GA.
- Nigel Townsend notes there is a bit of a hold up on an AHO review of the First Nations Statement due to the concern of the potential impact of the statement restricting the AHO in the conduct of its legislated role of as a charting for organisation for Safety of Life at Sea.
- Tim Ingleton asked the SC on what AusSeabed engagement should be conducted at AMSA (July 2023) and the HIPP World Hydrography Day (WHD) conference (June 2023).
  - Nigel Townsend notes that in person attendance should be considered.
  - Ralph Talbot-Smith notes that he can't get to both and is leaning towards the HIPP conference.
  - Daniel Ierodionou notes that WHD conference is a good way to engage with industry to push data into AusSeabed. Nigel Townsend agrees.

- Mardi McNiel comments that they are very different audiences and presence at both is beneficial.
- Tim Ingleton notes that symposia titles for AMSA are due 25 November and descriptions are due in December.
- Kim Picard notes that GA resources are stretched and a critical decision is need.
- The SC landed on a symposium at AMSA and technical workshops at WHD conference.
- Ralph Talbot-Smith notes AusSeabed needs to be targeted in what AusSeabed should be achieving over time. Nigel Townsend notes the new AusSeabed Strategy should help with this.
- Richard Cullen notes that hydrographic surveyor students are more likely to attend WHD conference.
- Kim Picard asks at the AMSA symposium – are we speaking to ourselves?
- The SC endorsed a quarterly frequency for newsletters to align with showcases and reporting periods.
- Nigel Townsend asks for webinar ideas:
  - Tim Langlois (UWA) confirmed to present his AMSA talk (will need to advise him on a date)
  - Nigel Townsend suggests perhaps GMRT-AusSeabed user testing is a workshop?
  - Kimberlee Baldry notes timely engagement points could be: data submission/contribution engagement (presentations - data register tool, workshop-contributing hub) and NAI hotspots.
  - Kim Picard notes that the webinars should be tied within the Quarterly Showcase.

*Decision 13.5: The SC endorsed new quarterly frequency for the newsletter.*

*Decision 13.6: The SC decided that AusSeabed will attend the only AMSA symposium, and instead host workshops at the annual HIPP World Hydrography Day conference.*

*Action SC.13.13: Scott Nichol to forward the revised First Nations Statement to the SC.*

*Action SC.13.14: SC to send webinar suggestions to Kimberlee Baldry compile an agenda for March webinars by mid-December*

*Action SC.13.15: SC to review the Engagement events in the 2022/23 Awareness Plan and to advise Tim Ingleton of missing events to target.*

## 8 Tools, Guidelines and Standards

Nigel Townsend provided an update on tools, guidelines and standards activities within the AusSeabed community. Active projects include development of the Quality Assurance Tool (QAX), discussions around the AusCoastDVT Tool, development of airborne LiDAR guidelines and development of a Tides Tool.

### **Result:**

- Scott Nichol asks if the tide model implemented by GA helps out with the AusCoastVDT tool
  - Nigel Townsend unsure, more discussions to be had.
- Nigel Townsend noted that one of the panellists are working on an uncertainty predictor/analysis tool.
- Nigel Townsend notes the SDB guidelines are now completed and closed off.
- Nigel Townsend notes that SBP guidelines will be tested in the coming weeks.
- Kim Picard notes that the SDB guidelines should be pushed with the IHO community.

*Action SC.13.16: Kim Picard to socialise the SDB guidelines with the IHO community*

## 9 GEBCO update

Kim Picard presented an update from engagement at the GEBCO Map the Gaps Symposium.

### Result:

- Kim Picard notes that she will be going to NOAA shortly and to send here any engagement points to her.
- Kim Picard notes that AusSeabed should be involved in the GEBCO technical subcommittee on ocean mapping. Either Josh Sixsmith and/or Cisco (CSIRO) should be actively involved. A working group should be set up to identify specifications for cloud-performant formats, following on work from ARDC GMRT-AusSeabed project.
- A new GEBCO strategy will be developed.
- Kim Picard notes that there is a new Wiki discussion pages started by a US group to solve technical acquisition issues. AusSeabed should promote uptake of this forum in Australia.
- Kim Picard notes that crowd sourced bathymetry can be highly beneficial if coordinated. Nigel Townsend notes this requires a lot of resources. Discussion needs to be had on if AusSeabed can accommodate this.
- Scott Nichol notes that we should engage somehow with the UKAHO for international coordination. The SC agree to invite David Parker to the next meeting.

*Action SC.13.17: Nigel Townsend to invite the UKAHO as an observer for the next SC meeting.*

## 10 Next Meeting & Other Business

- The next meeting will be scheduled for March 30<sup>th</sup>. A host is needed. Ralph Talbot-Smith offers Perth location. Iain notes that the AHS will have an event at Curtin University around this time.
- Iain Parnum notes that a workshop on coordinating backscatter processing by Craig Brown was held recently and the next one will be held at the next GeoHAB if AusSeabed would like to get involved. Perhaps AusSeabed can send a backscatter representative, and try to engage to stay updated.
- Ralph Talbot-Smith asks when communications will be out for the WHD conference. Nigel Townsend notes in the next month.
- Scott Nichol updated the SC on GA personnel and movements. Kim Picard will resume as Director in January.
- Kimberlee Baldry provided an overview of the Election Process for next year at Ralph Talbot-Smith request. Kim Picard suggests a paper on this for the next meeting.

*Decision 13.7: The SC decided that the next meeting will be held on March 30<sup>th</sup> in Perth, hosted by WA DoT*

*Meeting closed 1600*



## AusSeabed Steering Committee Meeting No. 13 Agenda

**Date:** 9 November 2022

**Venue:** Virtual

**Time:** 13:00 – 16:00 AEDT

**Coordinators:** Nigel Townsend, Scott Nichol, Kimberlee Baldry

### 10.1 Agenda

| Time  | Item   | Action              | Lead                            | Duration | Paper |
|-------|--|---------------------|---------------------------------|----------|-------|
| 13:00 | Introduction and Welcome                                 |                     | Nigel Townsend                  | 10 mins  | No    |
|       | 1. <a href="#">Action List and progress</a>              | Update              | Kimberlee Baldry                |          | No    |
| 13:10 | 2. TOR and Election SOP                                  |                     | Kimberlee Baldry                | 10 mins  | Yes   |
| 13:20 | 3. <a href="#">AusSeabed Roadmap</a>                     | Endorse             | Scott Nichol and Nigel Townsend | 15 mins  | Yes   |
| 13:35 | 4. <a href="#">Progress update Q1 2022/23</a>            | Update              | Scott Nichol                    | 15 mins  | Yes   |
| 13:50 | 5. <a href="#">Annual Report 2021/22 Progress Update</a> | Update/Endorse      | Kimberlee Baldry                | 10 mins  | Yes   |
| 14:00 | Break (20 mins)  |                     |                                 |          |       |
| 14:20 | 6. <a href="#">2022/23 Work Plan</a>                     | Endorse and Discuss | Scott Nichol                    | 40 mins  | Yes   |



|                             |  |         |                |         |     |
|-----------------------------|--|---------|----------------|---------|-----|
| 15:00                       | 7. Outreach and Communications Theme update  | Discuss | Tim Ingleton   | 20 min  | Yes |
| 15:20                       | 8. Tools, Guideline and Standards Theme update   | Discuss | Nigel Townsend | 20 mins | No  |
| 15:40                       | 9. GEBCO update  |         |                | 10 mins |     |
| 15:50                       | 10. Other Business <ul style="list-style-type: none"> <li>List recent engagements</li> </ul> | Discuss | Nigel Townsend | 10 mins | No  |
| <i>16:00 End of meeting</i> |  |         |                |         |     |