## Seabed 2030 Year 8 Work Plan – v1.2

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| WP 1: Data | TASK ID | TASK | DeliverableID | Deliverable/outcome | Deliverable Lead |
| WP 1: Data | TASK 1.1 | Secure data contributions from different communities | D1.1.1 | Increased data contributions from different organization. | All Centers |
| WP 1: Data | TASK 1.2 | Data Product – Update IBCAO and publish Ver. 5 | D1.2.1 | To be published by Spring 2024. | Martin Jakobsson |
| WP 1: Data | TASK 1.3 | Data Product - – Update IBCSO 2024 to be released in September 2024 and initiation of IBCSO 2025 | D1.3.1 | Updates to be published in September 2023. | Boris Dorschel |
| WP 1: Data | TASK 1.4 | Publish global Data Product – GEBCO 2025 and updated polar region grids | D1.4.1 | GEBCO Grid\_2025 + update polar region grids by Q2 of 2025 in time for a media release on 21 Jun 2025.  The GDACC will continue to answer enquiries relating to GEBCO’s gridded data sets and products and the work of GEBCO and Seabed 2030. | Helen Snaith |
| WP 1: Data | TASK 1.5 | BedMachine Collaboration | D1.5.1 | Ingestion of under-iceshelf topography into IBCAO and IBCSO  A workshop on BedMachine – IBCSO integration (probably in August or September 2024). | Martin Jakobsson & Boris Dorschel |
| **WP2: Systems and tools** | TASK ID | TASK | DeliverableID |  |  |
| WP 2: System and Tools | TASK 2.1 | Further development of mapping statistics system | D2.1.1 | System that can deliver statistics regularly based on input data from RDACCs. | Martin Jakobsson |
| WP 2: System and Tools | TASK 2.2 | Process automation. The system put in place during early 2024 to be optimized and tested during 2024-2025 | D2.2.1 | Research into automated updating of regional grids. | Martin Jakobsson |
| WP 2: System and Tools | TASK 2.3 | Further development of UNH GapFiller tool | D2.3.1 | Continue the development and capabilities of GapFiller as both a stand-alone cruise planning tool and as a web-based tool that will offer frequent updates derived from multiple data sources to provide a comprehensive Data/No-Data tool. Work will also investigate automated compilation of Data/No-Data Coverage Maps. This effort will be coordinated with TSCOM to assure it meets needs of community. | Larry Mayer |
| WP 2: System and Tools | TASK 2.4 | Refresh map based on an initial list of Seabed 2030 Priority Areas | D2.4.1 | Based on further WITS activity. Tools to support dynamic planning by external data contributors for ship transits and science missions. | Helen Snaith |
| WP 2: System and Tools | TASK 2.5 | Deliver the next generation GEBCO product | D2.5.1 | Publish a multi-resolution GEBCO product.  Enhance and develop the GEBCO grid download application to provide access to data from GEBCO’s global and polar grids for user-defined geographic areas and through the same application, provide access for download and visualisation of GEBCO’s multi-resolution gridded data sets.  Investigate the inclusion of additional layers on the map display, such as the GEBCO gazetteer of undersea feature names.  Investigate the delivery of GEBCO's grids for user-defined areas using the OGC Coverages API, allowing users to access GEBCO's grids directly in their own systems using a recently developed open standard. | Helen Snaith |
| WP 2: System and Tools | TASK 2.6 | Maintain GDACC as a CSB Trusted Node | D2.6.1 | Based on IHO Standards and guidance, maintain Trusted Node. Engage with contributors and deliver data to IHO DCDB. | Helen Snaith |

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| WP 2: System and Tools | TASK 2.7 | Grid Quality Improvement | D2.7.1 | Continue collaboration with Scripps Institution of Oceanography for SRTM15+ updates for the GEBCO ‘base grid’.  Provide feedback to Regional Center and SRTM15\_plus colleagues on data issues reported in GEBCO’s grids.  Continue to organize the draft GEBCO grid review process. | Helen Snaith |
| WP 2: System and Tools | TASK 2.8 | Web Services for Visualization | D2.8.1 | Continue support of web services for visualization of SB2030/GEBCO data sets, particularly for QC and planning. Investigate use of Esri products in the delivery of web services and develop a web coverage service for the GEBCO global grid. | Center Heads |
| WP 2: System and Tools | Task 2.9 | Visualization of the coverage/origin of source data sets used in the generation of the GEBCO grid | D2.9.1 | Continued development of a web map tools (including 3-D globe) to allow the visualization of the coverage of the source data sets included in the GEBCO grid. | Helen Snaith/Larry Mayer |
| WP 2: System and Tools | Task 2.10 | Design and Development of machine learning pipelines for area based error flagging for spatially tiled datasets | D2.10.1 | Automated error flagging in XYZ data tiles for the optimisation of tile-based data cleaning. | Boris Dorschel |
| **WP 3: Technology innovation** | TASK ID | TASK | DeliverableID | Deliverable/outcome | Deliverable Lead |
| WP 3: Technology innovation | TASK 3.1 | Data Uploader | D3.1.1 | Collaborate with Teledyne Caris on a Data Uploader Tool. | Kevin Mackay |
| WP 3: Technology innovation | TASK 3.2 | Data Uploader | D3.2.1 | Collaborate on refining KM Data Uploader Tool. | Martin Jakobsson |
| WP 3: Technology innovation | TASK 3.3 | Data Uploader | D3.3.1 | Refine Seabed 2030 Data Uploader Tool. | Martin Jakobsson |
| WP 3: Technology innovation | TASK 3.4 | Cloud-Based Processing (SeaKoMaP) | D3.4.1 | Operationalize SeaKoMapP capability. | Shereen Sharma & Center Heads |
| WP 3: Technology innovation | TASK 3.5 | Support to Innovative Mapping Technology | D3.5.1 | Continue efforts to develop and support Project NEMO floats. Floats have had successful long-term deployment in Pacific – will now be mated with echosounders for initial tests of complete package. | Larry Mayer |
| WP 3: Technology innovation | TASK 3.6 | Support to Innovative Mapping Technology | D3.6.1 | Collaboration and development activity on autonomous data collection. | Center Heads |
| WP 3: Technology innovation | TASK 3.7 | Support to CSB Technology | D3.7.1 | Basic tech support for volunteers & and support for new gen loggers whilst achieving a core level of activity. | Director |
| WP 3: Technology Innovation | TASK 3.9 | Community empowerment - usability of distributable open-source software tools | D3.9.1 | Harden and improve usability of some of the distributable open-source software tools used for SDB and multibeam prep - to further empower the community to process/review/prepare data for integration. This will include supporting relevant workshops. | Vicki Ferrini |
| WP 3: Technology Innovation | TASK 3.10 | Support to Generic Sensor Format (GSF) translation in MBES systems. | D3.10.1 | Contribute expertise to TSCOM-led initiatives for GSF translation capabilities in MBES systems. | Center Heads |
| **WP 4: Mapping activities** | TASK ID | TASK | DeliverableID | Deliverable/outcome | Deliverable Lead |
| WP 4: Mapping activities | TASK 4.1 | Progress Mapping the Ocean Frontiers | D4.1.1 | Identify expeditions to be supported and acquire new data. | All Center Heads & Shereen Sharma |
| WP 4: Mapping activities | TASK 4.2 | Greenland Crowd Source Project | D4.2.1 | Continue to oversee Greenland crowd source initiative. | Martin Jakobsson |
| WP 4: Mapping activities | TASK 4.3 | Lobby for Crowd Sourced Bathymetry (CSB) Activity | D4.3.1 | Continue to advocate for the concept of CSB activity and encourage participation from those within our networks to participate . | Director & Center Heads |
| WP 4: Mapping activities | TASK 4.4 | Satellite Derived Bathymetry | D4.4.1 | Encouragement of 3rd party involvement whilst also deriving meaningful data products for used in the GEBCO Grid. | All Center Heads |
| WP 4: Mapping activities | TASK 4.5 | Satellite Derived Bathymetry | D4.5.1 | Data ingest activity Jamaica & Haiti. | Vicki Ferrini |
| WP 4: Mapping activities | TASK 4.6 | Satellite Derived Bathymetry | D4.6.1 | Wave Kinematic Bathymetry – development for Seabed 2030. | Vicki Ferrini |
| WP 4: Mapping activities | TASK 4.7 | Marine geospatial information management for the Southern Ocean | D4.7.1 | Recommendations to ATCM47 for improved marine geospatial information management. | Boris Dorschel |
| WP 4: Mapping activities | TASK 4.8 | CCAMLR engagement for bathymetric data from fishing vessels | D4.8.1 | Liaison with the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR) for bathymetric data from fishing vessels. | Boris Dorschel |
| WP 4: Mapping activities | TASK 4.8 | As an empowering and engagement tool, optimise bathymetry acquisition for local communities with low ocean mapping capacity | D4.7.1 | Increase in the quantity and quality of ocean mapping data in remote regions. | Kevin Mackay |
| **WP 5: Management** | TASK ID | TASK | DeliverableID | Deliverable/outcome | Deliverable Lead |
| 5.1 Operational management | TASK 5.1.1 | Secure Year 9 Funding | D5.1.1 | Year 9 Work Plan and Budget approved. | Director |
| 5.1 Operational management | TASK 5.1.2 | Year 8 Financial management | D5.1.2 | Year 8 Finance Ledger is accurate and Project run to budget. | Director |
| 5.1 Operational management | TASK 5.1.3 | Annual Project Reporting to GGC | D5.1.3 | Year 8 Annual Report submitted to GGC. | Director |
| 5.1 Operational management | TASK 5.1.4 | Quarterly Reporting to NF & GGC | D5.1.4 | Quarterly Reports presented to NF & GGC. | Director |
| 5.1 Operational management | TASK 5.1.5 | Periodic Project Reporting to Sponsors | D5.1.5 | Sponsors meetings held as required by Sponsors. | Director |
| 5.1 Operational management | TASK 5.1.6 | Engage with GEBCO Community | D5.1.6 | Diary of Year 8 engagement demonstrating GEBCO contribution to SB2030. | Vicki Ferrini / Steve Hall/Shereen Sharma |
| 5.1 Operational management | TASK 5.1.7 | Financial management | D5.1.7 | Monthly Account Reconciliation vs IHO Statements. | Jennifer Cheveaux |
| 5.1 Operational management | TASK 5.1.8 | General management | D5.1.8 | Maintain Project Risk Register. | Shereen Sharma |
| 5.1 Operational Management | TASK 5.1.9 | Records Management | D5.1.9 | Ensure reliable and accessible collaborative working and records management system open to all SB2030 team members | Jelen Snaith & Jennifer Cheveaux |
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| 5.2 Strategic direction | TASK 5.2.1 | Engage with User Community | D5.2.1 | Robust use case evidence documented (via WITS work) and GEBCO product users active in Seabed 2030. | Director |
| 5.2 Strategic direction | TASK 5.2.2 | Solicit external strategic advice/input | D5.2.2 | Improve Seabed 2030 strategy through external advice. | Director |
| 5.2 Strategic direction | TASK 5.2.3 | Position Seabed 2030 globally | D5.2.3 | Seabed 2030 acknowledged as key global initiative. | Director |
| 5.3 Strategic direction | TASK 5.2.4 | Build Strong Partnerships | D5.2.4 | Partners make significant contribution to Seabed 2030 success. | Steve Hall/Shereen Sharma |
| 5.3 Strategic direction | TASK 5.2.5 | Engage with widest possible community | D5.2.5 | Attendance at key events and promote SB2030 within networks. | All |
| 5.3 Strategic direction | TASK 5.2.6 | Engage with Decadal Programmes & Projects | D5.2.6 | Participation at key events and projects, promotion within networks. | Director/All |
| 5.3 Strategic direction | TASK 5.2.4 | MOU Partnerships | D5.2.4 | Formulate focus document for potential new MOUs. | Steve Hall/Shereen Sharma |
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| 5.3 Communication | TASK 5.3.1 | Media Strategy | D5.3.1 | Deliver against published Media Strategy. | Pegah Souri |
| 5.3 Communication | TASK 5.3.2 | Seabed 2030 media content across all channels | D5.3.2 | Ongoing process to deliver new content. | Pegah Souri |
| 5.3 Communication | TASK 5.3.3 | Promote Seabed 2030 at external events and meetings | D5.3.3 | Catalogue of meetings and events attended. | Director/Admin/All |
| 5.3 Communication | TASK 5.3.4 | Acknowledge partner contributions | D5.3.4 | Seabed 2030 website. | Steve Hall/Shereen Sharma/Jennifer Cheveaux |
| 5.3 Communication | TASK 5.3.5 | Seabed 2025 Event in Tokyo | D5.3.5 | Input to event prep & attendance (anticipate early Mar 25). | All |
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| 5.4 Capacity development | TASK 5.4.1 | Engage Alumni in Seabed 2030 activities | D5.4.1 | Manage Alumni Coordination across appropriate Seabed 2030 activities. | Shereen Sharma |