NZMGI Working Group - Meeting 3 Decisions and Actions

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| Meeting date | 28/07/2020 |
| Time | 1-3pm |
| Venue | Conference call |

Discussion items

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|  | Description |
| 1 | Karakia and Welcome (Rebecca McAtamney, LINZ) |
| 2 | Housekeeping and brief review of meeting 2 from Sept 2019 (Rachel Gabara, LINZ) LINZ finalised and circulated the Terms of Reference for the NZMGI-Working Group (WG) (attached) and facilitated conversations on the value of having a Steering Group (SG). The principles of FAIR marine geospatial data outlined the meeting with several presentations from various organisations, including those that were undertaking the MGI stocktakes. Attendees discussed what a National Inventory would require and provided input to help shape a work plan. LINZ drafted and circulated the minutes for this meeting. LINZ created a slack channel [nz-marine-geospatial.slack.com](file:///C%3A%5CUsers%5CJCahill%5CObjective%5CObjects%5Cnz-marine-geospatial.slack.com) to facilitate communication between the WG members. (Presentation attached) |
| 3 | Work programme and Steering group (Rachel Gabara, LINZ)LINZ facilitated the establishment of a SG composed of representatives from organisations that have key interest and/or role in marine geospatial information, and that are partly or fully funded by public funding: DOC, GNS, LINS, MBIE, MFE, MPI, NIWA, NZDF, local government. The SG is still looking to have a Māori representative on the SG. The purpose of the SG is to provide direction to the WG and oversee the development and implementation of the national marine geospatial work programme. The SG has decision making responsibilities on the delivery of the national work programme and ensures the work programme aligns with the goals of the NZMGI-WG. The Terms of Reference for the NZMGI-SG are attached to these minutes.LINZ reviewed inputs that the WG provided at the last meeting and drafted a work programme based on the tasks identified by the WG. Those tasks contribute to the outcomes of MGI being FAIR and are the foundation of the work programme. The SG prioritised the different tasks, which were subsequently assigned to an organisation from the SG to lead and coordinate on behalf of the WG. The workplan priorities are attached to these minutes. (Presentation attached) |
| 4 | MGI Stocktake/Inventory Stage 1Anna Meissner from LINZ summarised the progress made by seven organisations (LINZ, MPI, NIWA, DOC, Environment Southland, Greater Wellington and Hawkes Bay Regional Councils) in undertaking their MGI stocktakes. This work was supported by Statistics NZ Open Data Programme who funded 3 consulting organisations (x4 Consulting, Davanti Consulting and Information Leadership) to help stakeholders undertake the stocktakes. Several outcomes resulted from this project, including the publication of six inventories on data.govt.nz (see list below) and some key learnings that can support other organisations in undertaking their own stocktakes in the future, and can help the WG in progressing the work programme. (Presentation attached)Links to the MGI inventories: LINZ – <https://catalogue.data.govt.nz/dataset/linz-marine-geospatial-inventory>MPI – <https://catalogue.data.govt.nz/dataset/mpi-marine-geospatial-inventory>DOC – [https://catalogue.data.govt.nz/dataset/doc-marine-geospatial-inventory](https://catalogue.data.govt.nz/dataset/doc-marine-geospatial-inventory%20) Hawkes Bay Regional Council - [https://catalogue.data.govt.nz/dataset/hawke-s-bay-regional-council-marine-and-coastal-data-inventory](https://catalogue.data.govt.nz/dataset/hawke-s-bay-regional-council-marine-and-coastal-data-inventory%20) Environment Southland Regional Council-<https://catalogue.data.govt.nz/dataset/environment-southland-s-marine-data-inventory>Greater Wellington Regional Council – <https://catalogue.data.govt.nz/dataset/data-inventory>Philippa Fogarty and Dijana Sneath from x4 Consulting presented an overview of the key findings, overall benefits and lessons learnt that some organisations experienced during their MGI stocktakes. Some of the take outs include improved visibility and accessibility of data holdings, and opportunities to investigate data management practices. (Presentation attached)Anna Meissner reminded the support that Statistics NZ provided in Stage 1 of the MGI stocktakes. Andrew Lee (Statistics NZ) was particularly instrumental in the completion and publication of the MGI inventories on data.govt.nz. While organisations will not be able to rely on the Open Data Programme in the future, Statistics NZ is putting together guidance and tools to support stakeholders willing to undertake a stocktake. Once available, this material will be collated by LINZ and further distributed to the WG. Caleb Stone (Statistics NZ) suggested to any organisation intending to undertake a data inventory to get in touch with him (Caleb.Stone@stats.govt.nz) to understand what information or support is needed. |
| 5 | Work programme progress updatesLearnings from Stage 1 will be integrated into the work plan that the SG is leading. i) Metadata and formats (Jochen Schmidt, NIWA)  Jochen Schmidt from NIWA is leading the work around establishing metadata standards for marine datasets, supporting stakeholders in using these standards. Based on NIWA's datasets, types of data and metadata standards will be reviewed and guidelines and options to adopt those standards will be created. (Presentation attached)ii) Stocktake benefits and lessons learnt (Heiko Philippi, MPI) To support future organisations undertaking their own MGI stocktake, Heiko Philippi from MPI is collating experiences, benefits and lessons learnt. The feedback from the seven organisations and supporting consultants will provide insights on key factors that can contribute to successful outcomes and added value across the organisation. (Presentation attached)iii) Stocktake Stage 2 (Anna Meissner, LINZ)LINZ will be collaborating with Statistics NZ on options and tools that stakeholders will be able to use to successfully build their MGI inventory.iv) Data portal investigation (Pierre Tellier, MFE/LINZ)Once data is discoverable, there is an expectation that end-users will request access to data. Pierre Tellier from MFE presented the data portal investigation that MFE and LINZ will be conducting, so that custodians can make informed decisions on where to store and access MGI. (Presentation attached). LINZ and MFE ask the WG to review data portals that will be investigated and provide feedback and email links to other portals if not in the list below:• NZODN – NZ Ocean Data Network• LAWA – Land Air Water Aotearoa• IRA Moana• Data.govt.nz• LDS – LINZ Data Service• PBE – Petroleum Basin Explorer• Petlab – National Rock and Geoanalytical Database• IHO Bathy portal• MetOcean Viewer• DOC open Spatial Data portal https://doc-deptconservation.opendata.arcgis.com/• Pacific Data Hub• OS2020 data portal• Niwa Coastal and Marine Data Portal <https://marinedata.niwa.co.nz/>• E Tūhura - Explore Zealandia• TAIAO• Seasketch/Hauraki Gulf portal• Auseabedv) NZMGI WG communication channelsThe progress and achievements of the work has been so far communicated to the WG by emails and during annual meetings. A slack channel [nz-marine-geospatial.slack.com](file:///C%3A%5CUsers%5CJCahill%5CObjective%5CObjects%5Cnz-marine-geospatial.slack.com) has also been established by LINZ and provide a platform where members can find documents related to the WG (Terms of Reference, agendas and minutes for the meetings, infographics…). Jenny Black and Vaughan Stagpoole from GNS are also collaborating with LINZ to create a webpage for the WG.vi) Programme reporting (Miles Dunkin, MBIE)Miles Dunkin from MBIE is creating a tool that will provide members a clear and fast way to monitor the progress of the work plan. Once completed the tool will be published and communicated to the rest of the WG (Presentation attached). Project leads welcome contribution, support and feedback from the WG members and their wider network on various aspects of their work.  |
| 6 | Marine Habitat Mapping Sub-Group (Enrique Pardo, DOC)The MGI inventories is already being of significant value for NZ scientists mapping marine habitats. DOC is leading a research programme with MPI and MFE to provide information to scientists and support policies and decision-makings to better protect the marine environment. Anyone interested in contributing to this work is encouraged to contact Enrique (epardo@doc.govt.nz). LINZ also established a special conversation thread on the slack channel ([nz-marine-geospatial.slack.com](file:///C%3A%5CUsers%5CJCahill%5CObjective%5CObjects%5Cnz-marine-geospatial.slack.com) #habitat-mapping) and Matt Groose from DOC reiterated the importance of taking further conversations to this Slack Channel so thoughts are widely shared, visibility is gained and collaboration can provide outcomes to the wider community. |
| 7 | Open floor discussion and Q/A summariesMatauranga and māori interests: A few comments were raised on the importance of having a Māori voice on the SG. LINZ contacted a few individuals since the establishment of the SG, but no one has yet committed to represent Māori values and interests in the work that the WG and the SG are progressing. LINZ will be continuing efforts to identify individuals that could take on this role. Liz Kolzer (NZTA) proposed to identify leaders who would have an interest in contributing to the WG and SG and forward their contacts to LINZ. Katherine Short (Terra Moana) provided some contacts as well. The SG welcomes any other suggestions.Marine habitat mapping: It is acknowledged that Matauranga plays an important role in understanding NZ marine environment. At this stage, stakeholders are focusing work based on environmental information. However, engagements with Iwi are feeding the wider strategy of the project.Data from the marine habitat mapping project will be available via webmap services once licensing question are cleared. Habitat types used in Seasketch are based on predictive habitat locations based on substrate and bottom types, and are also based on maps and observations.Marine plastics: Information on plastic waste is not part of the marine habitat mapping project but is part of the monitoring programme on marine litter. Information on plastic in the marine environment can be reported in the MGI inventories by recording data under "Pollution/Plastics". NIWA collects some information on plastics including plastic presence in plankton. This information is further provided to MPI. Marine spatial layers updates: The question was raised whether a centralised agency, and particularly LINZ, could take the lead in upgrading marine spatial layers for the benefits of stakeholders and NZ Inc. While LINZ sees a real benefit in increasing access and reuse of MGI, LINZ's approach is to collaboratively progress this work with stakeholders and other organisations rather than taking the lead. Efforts will be focused on collaborating with the main organisations specialised in that field to address this question.Citizen science and māori contribution to the MGI inventories: the WG welcomes any information related to MGI to contribute to the National Inventory. At the moment the SG focuses efforts to consolidate guidance and tools to provide stakeholders with a framework to efficiently complete their MGI stocktake. However, if any organisation is already undertaking a MGI stocktake, the SG welcomes their feedback and input into the prepared guidelines. Duane Wilkins from LINZ can provide support if stakeholders are interested in establishing a proof of concept towards a "crowed sourcing App".Raising awareness on the work that the WG is undertaking: Stakeholders wishing to share the work that the WG is undertaking are welcome to download that infographics that LINZ created and published on Slack ([nz-marine-geospatial.slack.com](file:///C%3A%5CUsers%5CJCahill%5CObjective%5CObjects%5Cnz-marine-geospatial.slack.com) #infographics). Those documents can also be provided upon request. Other projects: Elise Smith (EnvISion) suggested to check a few other initiatives such as CitSci Hub Taranaki, MBIE Curious Mind, Hotspot to see common objectives in the various projects. |
| 8 | Closing remarks (Rebecca McAtamney, LINZ) |

Actions

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|  | What |  Who | When |
| 1 | Draft and circulate the minutes | LINZ | 7 August |
| 2 | Follow up on suggestions to contact Māori representatives | LINZ | 14 August |
| 3 | Follow up on suggestion to investigate if the stocktakes/spatial plan undertaken by the Bay of Plenty Regional Council, Takiwa and Whakatōhea could feed into the National MGI Inventory. | LINZ | End August |
| 4 | Follow up on suggestion to investigate CitSci Hub Taranaki (MBIE Curious Minds, Hotpsot) and Marine Meter Squared. | LINZ | End August |
| 5 | Attendees to communicate within their organisations and external network to grow the NZMGI-WG and progress the goals. | All | Mid-Aug |
| 6 | Liz Kolzer to provide contact details to LINZ of individuals that could represent Māori/Iwi on the SG | NZTA | 14 August  |