NZMGI-WG Meeting #4 Minutes & Actions

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| Meeting date | 11/11/2021 |
| Time | 1-4pm |
| Venue | Online Zoom meeting |

Discussion items

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|  | Description |
| 1 | NZ-MGI WG Goals  Rachel Gabara (Toitū Te Whenua-LINZ) reminded the 5 goals agreed by the NZMGI-WG in September 2019:   * MGI is Findable, Accessible, Interoperable and Reusable (FAIR Data Principles) * High-value marine geospatial data is collected and freely available * Widespread knowledge of data applications and uses * Visibility of future marine data capture to reduce duplication and leverage opportunities for partnerships * Timely availability of datasets   We sought feedback as to whether these goals were still relevant to stakeholders. 90.3% of the respondents thought they were still relevant, and 9.7% thought some changes or additions could improve the goals. |
| 2 | **DIA Innovation Fund Opportunity**  Anna Meissner (Toitū Te Whenua-LINZ) and Dave Johnson (Oceanum Ltd) presented a proof of concept that LINZ, MPI, DOC, Te Arawhiti have submitted as part of the 2021/2022 [Digital Government Partnership Innovation Fund](https://www.digital.govt.nz/digital-government/innovation-fund/). The four agencies will make marine spatial data from their existing systems available on a cloud-based data mesh technology supported by Oceanum Ltd. The data mesh includes format conversion tools which deal with the variability of data formats and standards. The agencies will test the value of this technology through real use case scenarios. They will work with Oceanum Ltd to connect their data to the data mesh, testing the linkages they require with other datasets, and run the analysis tools they need, to test the system performance, and assess the system benefits.  We asked stakeholders whether they saw benefit for NZ in this connected MGI system approach:   * 67.6% replied “Yes - it is exactly where we should be heading” * 29.4% replied “Maybe – It may have merit, but I’m not convinced” * 2.9% replied “No – I don’t think this is a direction we want to go in” |
| 3 | **Best Practice MGI Management**   1. **Marine Geospatial Information Themes**   While completing the 6 MGI inventories, organisations found that categorising marine geospatial information in a consistent way supports:   * better data management practices, * discovery, access, publication, and reuse of information, internally and externally, * data interoperability   The [recommended categories](file:///\\ad.linz.govt.nz\dfs\opa\redirectedfolders\ameissner\Downloads\hydro_mgi-themes_20210804%20(17).pdf) aim to provide consistency in the NZ context and support the development of a NZ National MGI Inventory. The categories draw on input from international initiatives (i.e. IHO MSDI WG, AusSeabed, Australian Ocean Data Network) and feedback from the NZ MGI workshop held in 2019.  We asked participants to review the themes and data types during a breakout session and we have incorporated feedback to reflect suggestions.  Following the breakout session, we asked stakeholders whether there was scope for their organisation to adopt these data themes:   * 34.5% replied “Yes – these will be very helpful for our work” * 65.5% replied “Maybe – I will have to investigate it more and/or talk to others”   The existing 6 MGI inventories published on data.govt.nz will be standardised against the recommended themes and data types, and future stocktakes contributing to the National MGI Inventory will align to these recommendations.   1. **MGI** **Metadata guidelines**   Learnings from the 6 MGI inventories also provided the opportunity to create a metadata guideline. Jochen Schmidt (NIWA) described the [recommendations](file:///\\ad.linz.govt.nz\dfs\opa\redirectedfolders\ameissner\Downloads\hydro_mgi-metadata-guidance_20210804%20(10).pdf) on the content, structure and formats of metadata describing marine geospatial datasets in NZ so that the MGI inventories are described, managed and published in a consistent way.  We asked stakeholders whether their organisation would adopt these metadata standards:   * 42.3% replied “Yes – these will be very helpful for our work” * 57.7% replied “Maybe – I will have to look into it more and/or talk to others” |
| 4 | **National MGI Inventory**  To develop common goals and priorities, the NZMGI-WG agreed in 2019 that a national stocktake of existing marine geospatial datasets is necessary. It will identify custodian agencies and facilitate gap analysis for future investments and data acquisition. To support stakeholders taking stock of their MGI and contributing to the 6 existing MGI inventories published on data.govt.nz, the NZMGI-WG published the [MGI stocktake guidance](file:///\\ad.linz.govt.nz\dfs\opa\redirectedfolders\ameissner\Downloads\hydro_mgi-stocktake-guidance_20210804%20(19).pdf). We heard from Anna Meissner (LINZ), Caleb Stone (Statistics NZ) and Christian Linnell (DIA) on the importance of the National MGI Inventory and the MGI stocktake guidance.  When asked whether this guide would be useful to their organisation in taking stock of the MGI, attendees of the meeting replied:   * 50% “Yes – very helpful” * 27.8% “Maybe – I will have to look into it more and/or talk to others” * 5.6% “No – this guide doesn’t have the information we would need” * 16.7% “No – we don’t require this guidance, because we don’t hold data, or already have a good knowledge on the data we have”.   When asked how likely their organisation would contribute to the national inventory in the next 12 months, stakeholders replied:   * 16.7% “Likely – we see benefit in contributing this year” * 33.3% “Possible – but may not be this year” * 33.3% “Very likely – this is something we are working on now, or planning” * 16.7 “We don’t have any MGI data” |
| 5 | **MGI Work Programme Priorities**  Rachel Gabara (LINZ) presented the MGI work programme and road map with tasks achieved over the last year. Attendees were asked to provide feedback on the progress made in the last 12 months:   * 73.7% “Very happy – focus on the right things and progressing well” * 26.3% “Somewhat happy – some progress made but would like to see more”   We also asked where the group should focus effort in the next 12 months?   * 14 votes: MGI integration tool (e.g. DIA Innovation Fund concept) * 14 votes: Stocktakes & national inventory * 9 votes: Data capture - collaboration and transparency * 7 votes: Data capture – guidance/standards * 6 votes: Data capture – explore opportunities for a national programme * 6 votes: Data quality – QC tools * 5 votes: Case study library * 5 votes: Capability building / Education – mentoring, secondments, training opportunities * 4 votes: Data format – guidance/standards   Participants were asked whether their organisation could provide a case study to support build the case study library:   * 41.2% replied “This is something I need to discuss with my organisation” * 23.5% replied “This is something my organisation is interested in, and we can provide some material and help build the use case” * 35.3% replied “This is something my organisation might be interested in depending on how much work this involves”   We also asked what the most useful channels were to communicate with the NZ MGI members:   * 20 votes: Emails * 18 votes: Meetings * 14 votes: Newsletter * 14 votes: Website * 2 votes: Slack channel |
| 6 | **Notices from the NZ MGI SG**  Heiko Philippi (MPI) and Barb Hayden (NIWA) have been involved on the NZMGI-SG since 2019. As they are moving roles, they are stepping back from the SG. We thank them for all their support and are looking forward to progressing our work with Ryan Hugues (MPI) and Mikes Williams (NIWA). |

Actions

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|  | What | Who | When |
| 1 | Provide specific feedback on changes to [NZMGI-WG goals](https://www.linz.govt.nz/file/22508/download?token=0Qcjx58Z) to [hydro@linz.govt.nz](mailto:hydro@linz.govt.nz) | All NZMGI-WG members | By 10 Dec |
| 2 | Inform NZMGI-WG members of DIA Innovation Fund outcome | LINZ | Early Dec |
| 3 | Provide any additional feedback on [MGI data categories](https://www.linz.govt.nz/file/23674/download?token=FmYE__8a) to [hydro@linz.govt.nz](mailto:hydro@linz.govt.nz) | All NZMGI-WG members | By 10 Dec |
| 4 | Provide feedback on [MGI metadata guidelines](https://www.linz.govt.nz/file/23675/download?token=Ve84UwDl) to [hydro@linz.govt.nz](mailto:hydro@linz.govt.nz) | All NZMGI-WG members | By 10 Dec |
| 5 | Communicate with NZMGI-WG framework and toolkit for Data Standards and Quality Assessment | Liz Kolster | NZMGI-WG Meeting 5 |
| 6 | Organisations collecting MGI, email [hydro@linz.govt.nz](mailto:hydro@linz.govt.nz) to contribute to the National MGI Inventory | All NZMGI-WG members | By 10 Dec |
| 7 | Update NZMGI-WG roadmap based on feedback from the MGI meeting and share with the WG for comments | LINZ | Mid Dec |
| 8 | Organisations interested in contributing to case study library email [hydro@linz.govt.nz](mailto:hydro@linz.govt.nz) | All NZMGI-WG members | By 10 Dec |
| 9 | Discontinue using the slack channel for communicating with the NZMGI-WG | All NZMGI-WG members | Immediately |
| 10 | Items/ideas for the next NZMGI-WG meeting to be communicated to [hydro@linz.govt.nz](mailto:hydro@linz.govt.nz) | All NZMGI-WG members | By June 2022 |

Attachments

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|  | What |
| 1 | Meeting support slides |
| 2 | Edited video (bad connectivity affected the original version which had to be edited) |