Land Information New Zealand
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MSDI National Report

New Zealand

Rachel Gabara
Manager Hydrographic Data and Products

Date

Topics for today

1. Preparation for S-100

2. Joining Land and Sea

3. National approach for Marine Geospatial Information

Preparation for S-100

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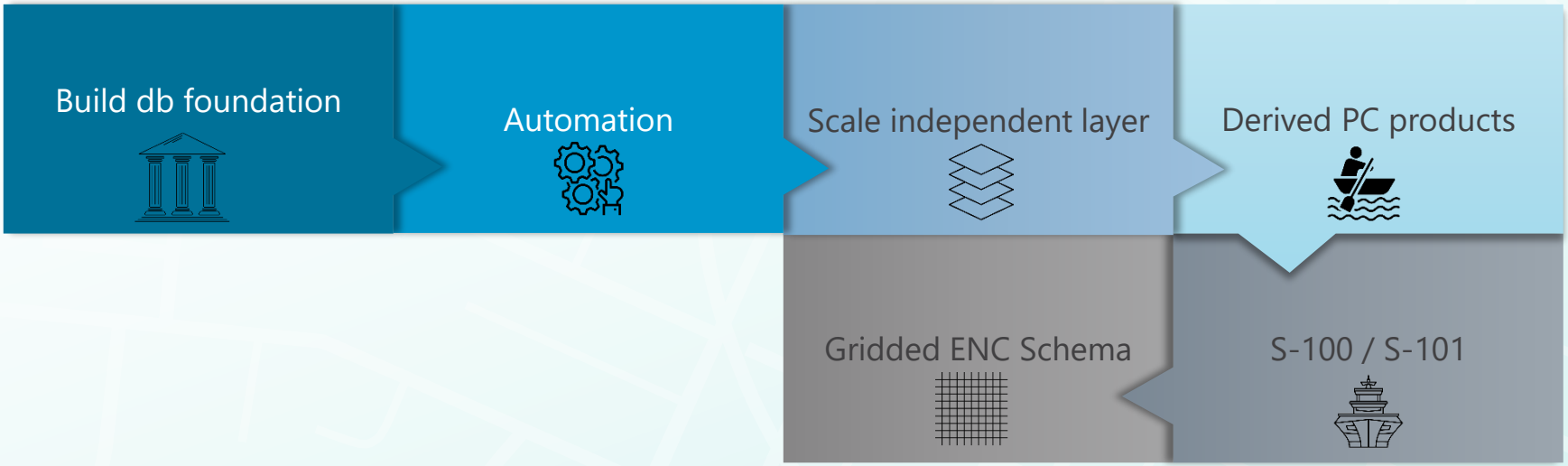
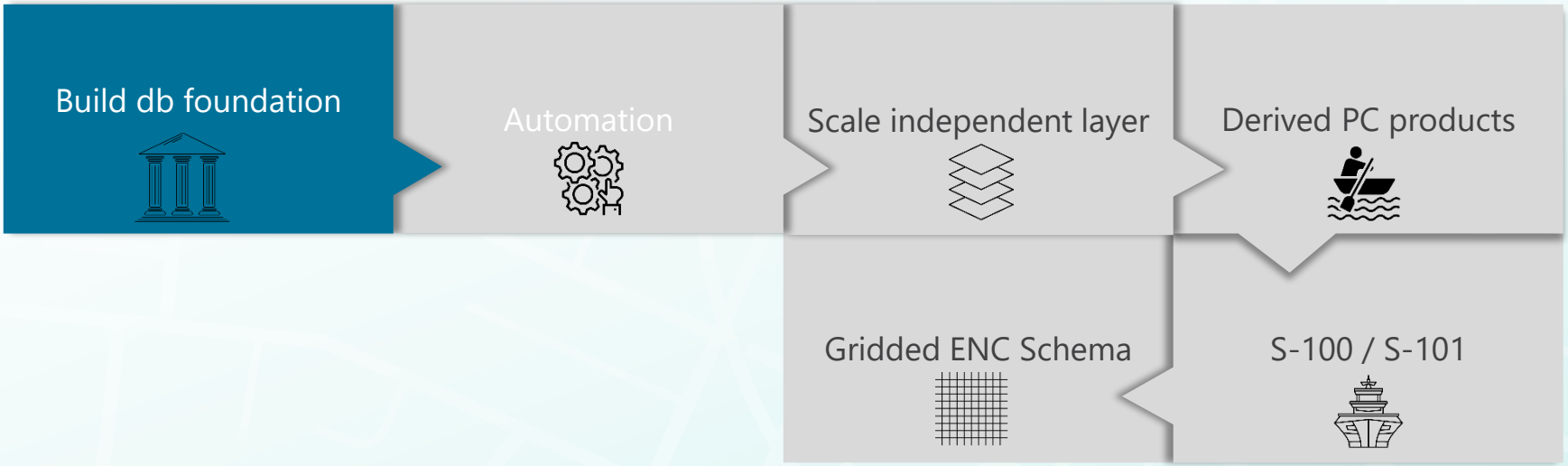
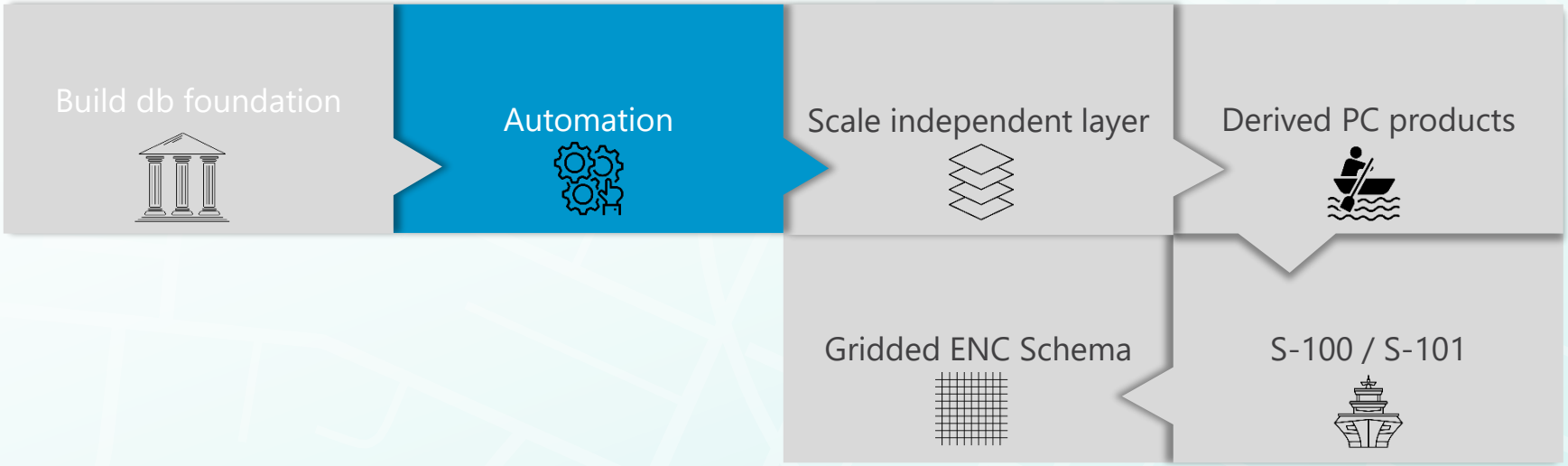
Preparing for S-100



Preparing for S-100



Preparing for S-100



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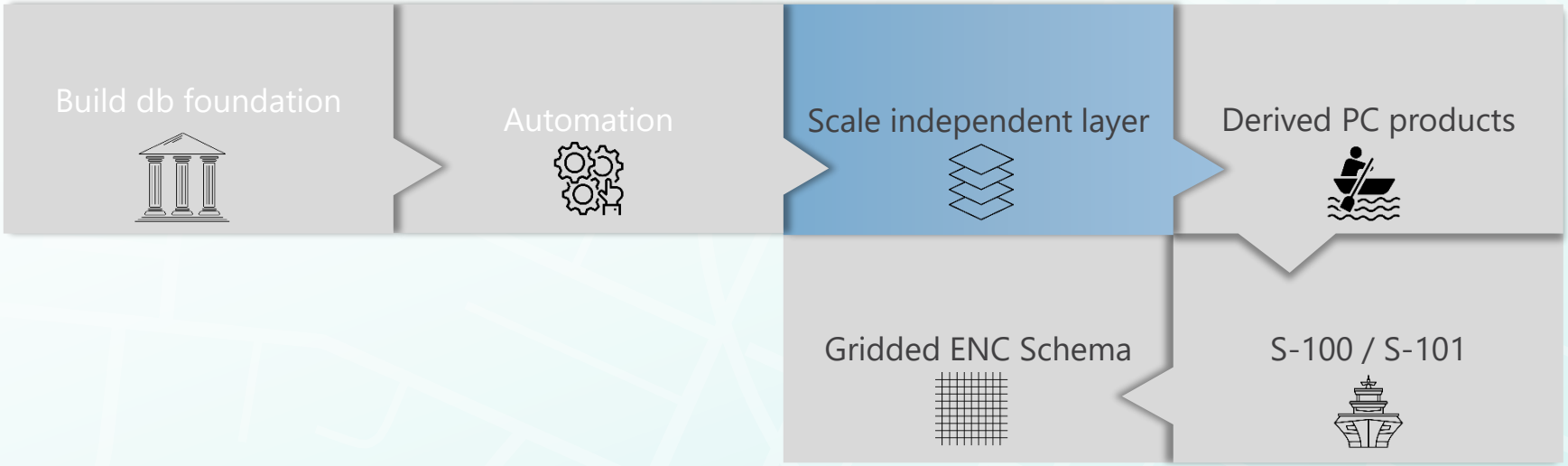

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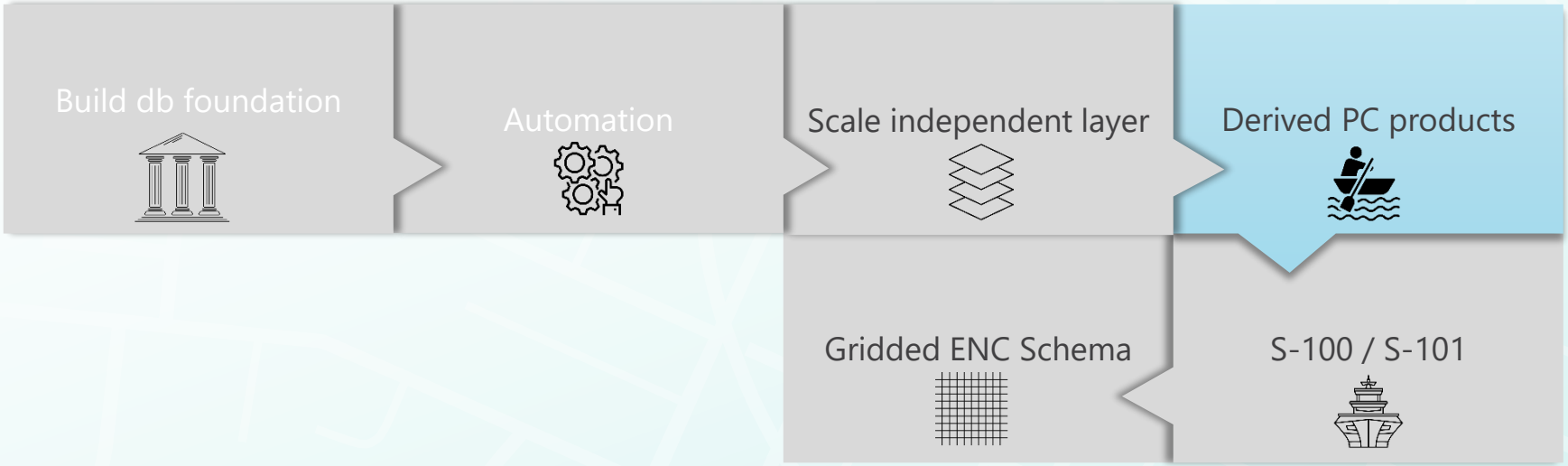
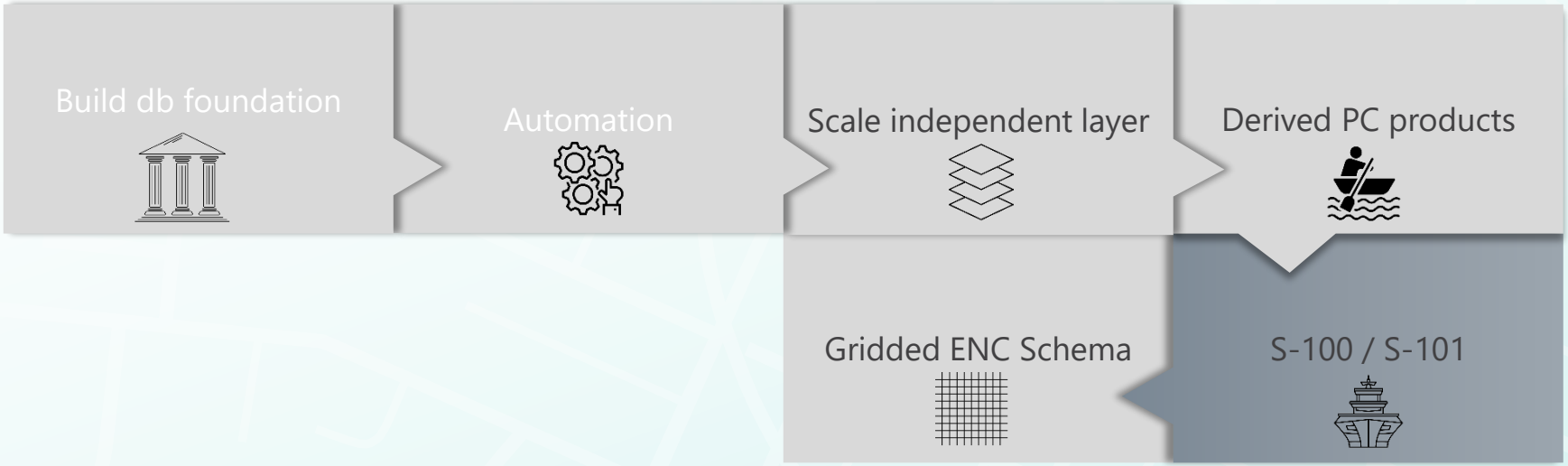
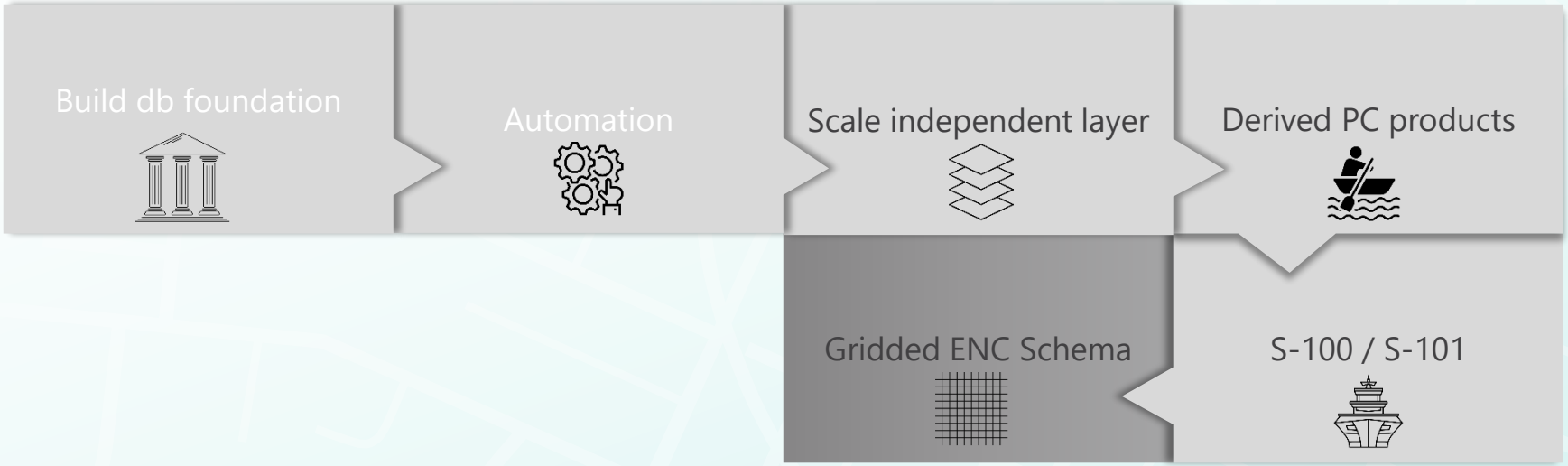


Preparing for S-100



Preparing for S-100



Joining Land and Sea

Ohope Beach by Tessa Brown

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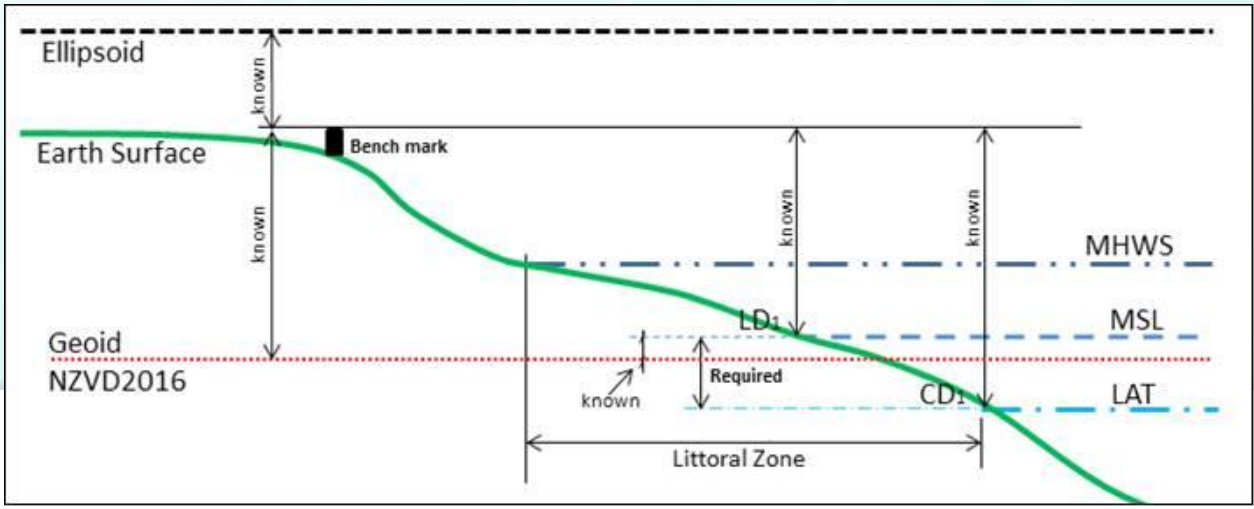
Joining Land and Sea

Objective: Integrate datasets collected at different datums across Land and Sea

NZ Approach

- Installing additional short-term tide gauges around NZ coastline
- Improve the national tidal model – surfaces in terms of MSL
- Tie tidal model to the ellipsoid at tide gauges
- Develop an online transformation tool



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NZ Marine Geospatial Community

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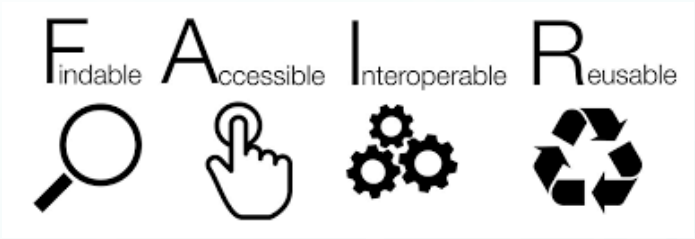
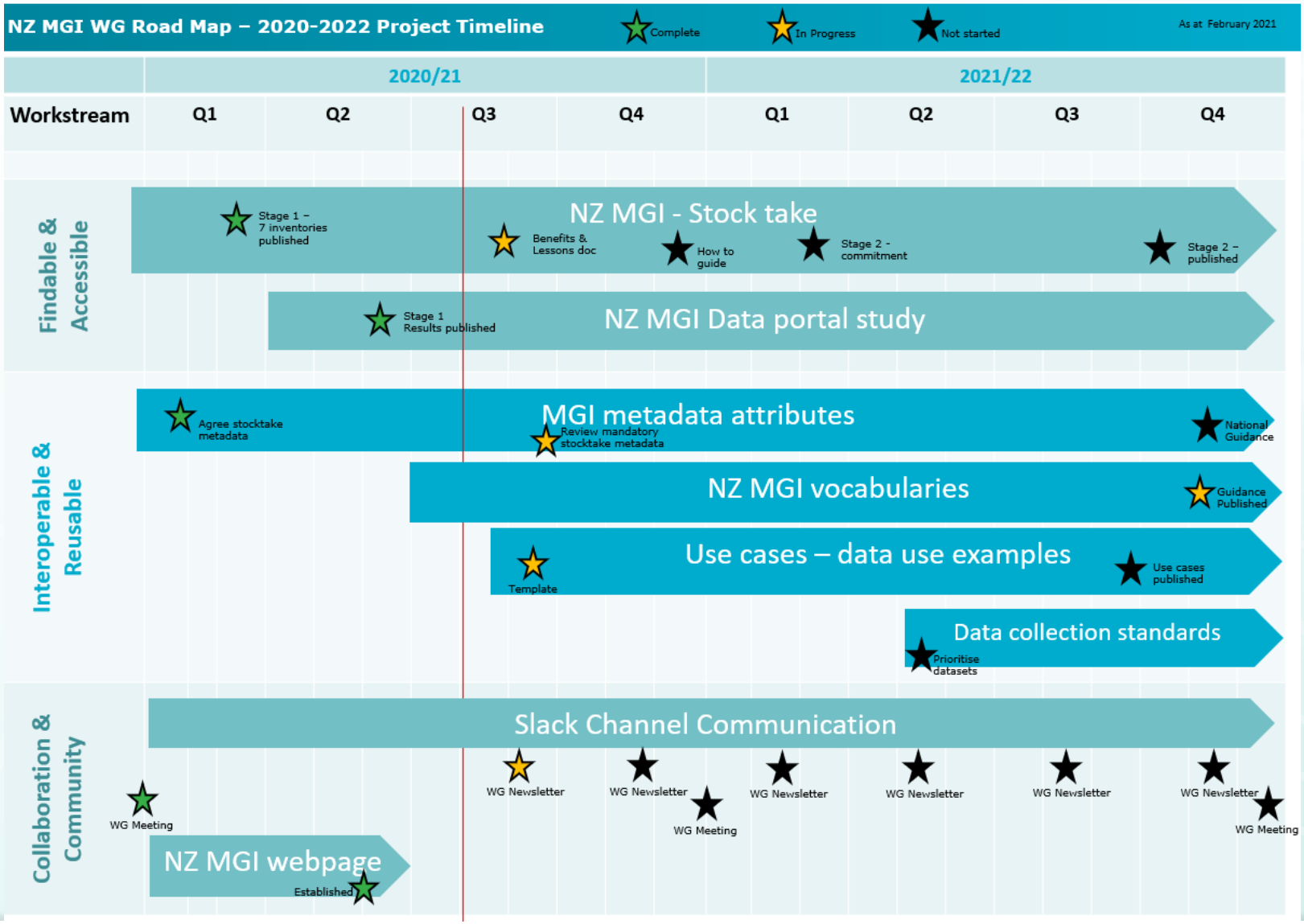
NZ MGI Working Group

Purpose



- Facilitate national collaboration to grow the value of MGI investments

Work Programme

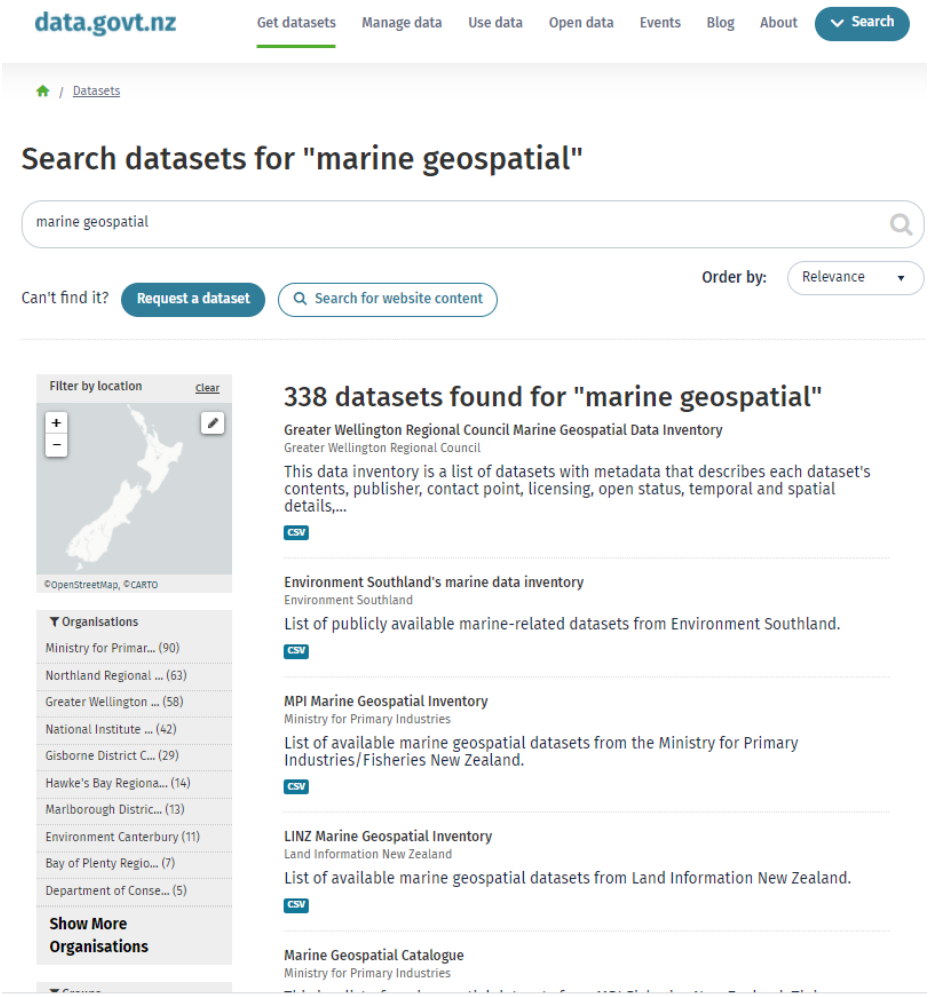


Findable - National MGI Inventory

- NZ organisations undertaking MGI stocktakes
- 7 organisations completed today
- Output available on www.data.govt.nz
- Next steps

– guidance to help others take part

– User friendly national inventory

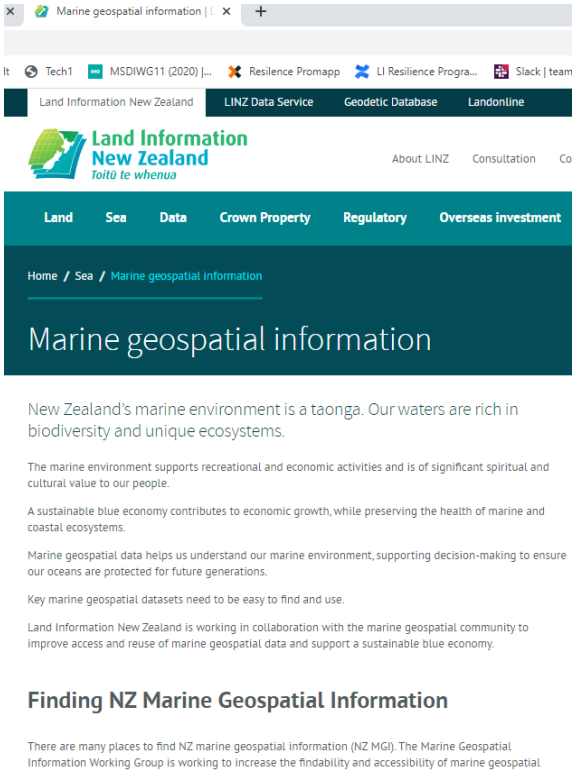


Accessible - NZ MGI Data Portal Review

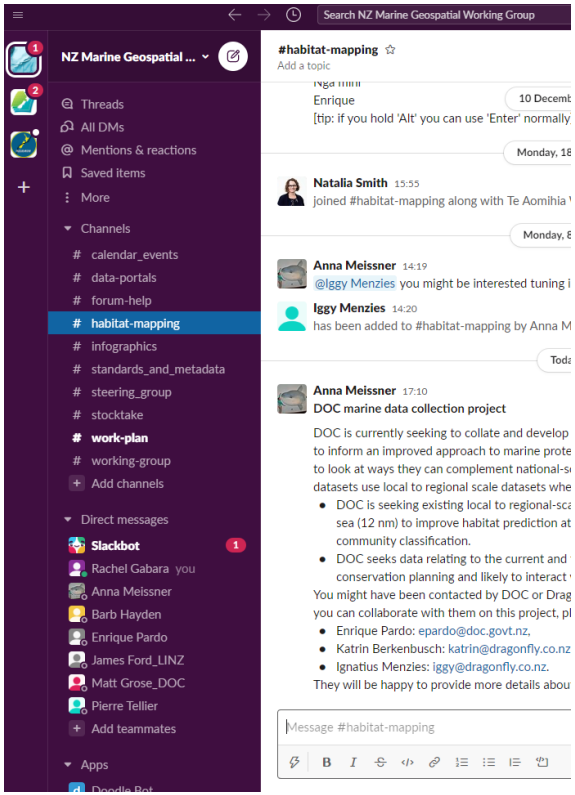
		Te Kete Korero a Te Takutai Moana	AuSEABED	Petlab	LAWA	IRA Moana	NZ Petroleum Basin Explorer	LDS	IHO DCDB
Purpose of the portal	Discoverability of data or metadata catalogue	✓	✓	✓	✓	✓	✓		✓
	Visualisation of data and geospatial information	✓	✓		✓	✓	✓		✓
	Access to data	✓	✓	✓	✓	✓	✓	✓	✓
	Other	✓	✓						
Types of marine geospatial data supported by the portal	Species data (e.g. seabirds, fish, algae, invertebrate, marine mammals, etc)								
	Community data (e.g. species distribution, modelling datasets, species turnover, etc)								
	Ecosystem data (e.g. marine habitat)				✓				
	Depth/bathymetry (e.g. grids, soundings, contours, surfaces, models, etc)	✓	✓				✓	✓	✓
	Geophysical (e.g. seafloor characteristics, backscatter, sedimentology, slopes, curvature, rugosity, ground sampling, etc)		✓	✓			✓	✓	
	Water observations (e.g. temperature, turbidity, water column backscatter, salinity, sound velocity profiles, etc)				✓				
	Sea level data (e.g. coastline, tidal data, etc)						✓	✓	
	Meteorological data (e.g. air temperature, air pressure, wind, etc)								
	Marine infrastructure (e.g. hazards, marine farms, coastal construction, aids to navigation, etc)	✓						✓	
	Human activities (e.g. pollution, plastics, chemicals, oil, gas, vessel tracks, commercial catch effort, recreational fishing intensity, etc)	✓					✓		
	Management areas (e.g. marine reserves, sanctuaries, fishing restrictions, Mataitai, Taiapure, fishing reporting grids, etc)	✓	✓				✓	✓	
	Other	✓		✓		✓	✓		
Data is supplied by	Own organisation	✓	✓	✓	✓	✓	✓	✓	✓
	Other organisations / Third party	✓	✓	✓	✓	✓	✓	✓	✓
External data is uploaded by	Portal owner / Own organisation	✓	✓		✓		✓	✓	
	Data supplier		✓	✓		✓	✓		✓
External data is managed by	Portal owner / Own organisation	✓	✓		✓		✓	✓	
	Data supplier	✓	✓		✓	✓	✓		✓
Third party data supplier is responsible for	Costs of their data being uploaded on the portal		✓		✓				
	Costs of their data being maintained on the portal		✓		✓				
	Costs of their data being stored on the portal		✓		✓		✓		
	Costs of their data being accessed/downloaded on the portal		✓						✓
	Costs of the portal infrastructure being maintained and administered				✓				
	Other costs		✓			✓	✓		
Accessibility	Direct download	✓	✓	✓	✓	✓	✓	✓	✓
	API		✓			✓	✓	✓	
	Webservices (wmts, wms, wfs, etc)	✓	✓	✓			✓	✓	✓
	Physical media (USB drive, disc, etc.)							✓	✓
	Other					✓			
Data exploration	Search	✓	✓	✓	✓	✓	✓	✓	✓
	Filter	✓	✓		✓	✓	✓	✓	✓
	Subset	✓	✓	✓		✓	✓	✓	✓
	Custom visualisation (e.g. turning layers on/off, zooming, changing basemap, etc)	✓	✓		✓	✓	✓		✓
Data reuse	Data released under open licence (e.g. Creative Commons, etc)	✓	✓	✓	✓		✓	✓	✓
	Licensing restrictions exist								
	Other licensing policy			?		✓	✓		
	Free access/reuse the data	✓	✓	✓	✓	Varies	✓	✓	✓
Standards	ISO 19115/19139	✓	✓				✓	✓	✓
	OGC Web Services	✓	✓	✓	✓		✓	✓	✓
	Predefined / standardised vocabularies	✓	✓			✓			
	Proprietary standard						✓		✓
	Custom standards		✓			✓	✓		
	other			✓			✓		
User experience	No login required	✓	✓		✓	✓	✓		✓
	Available user guide/help tab	✓	✓			✓	✓	✓	✓
Analytics for data owner		✓	✓	✓	✓	✓	✓	✓	

Communication and Outreach

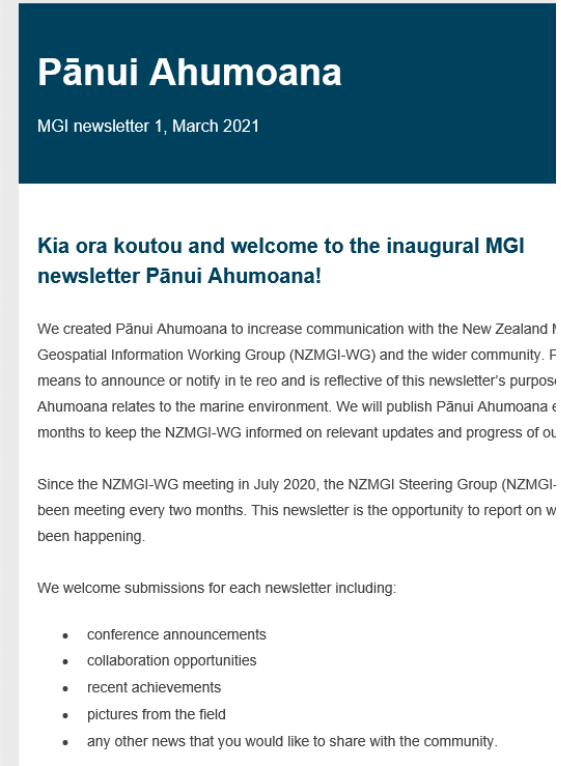
Webpage



Slack Channel



Newsletter



Thank you!