

22nd Meeting of the South West Pacific Hydrographic Commission

National Report by
Cook Islands - Associate Member State



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Hydrographic
Organization

South West Pacific Hydrographic Commission

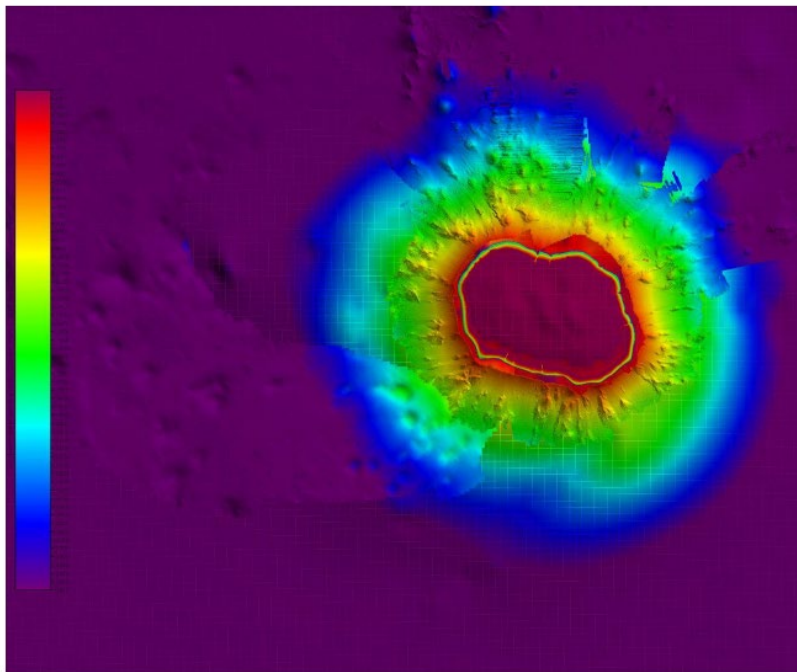


Main achievements during the year

Cook Islands Risk Assessment – Southwest Pacific Regional Hydrography Programme

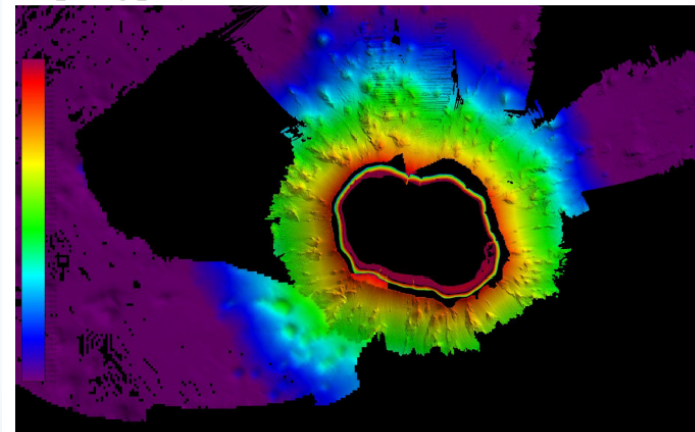
LiDAR/RC07_Bathy_100m_ Moana Minerals/NIWA/GEBCO

TheDeep Cogeco – Ernie Tapanes



Rarotonga and surrounds with GEBCO2024 background (hatched)

Rarotonga (0-3000m colorbar except LiDAR)
MSL LiDAR_1m, Infrastructure Cook Islands
RC07_Bathy_100m, Moana Minerals & NIWA
RC05_Bathy_100m, Moana Minerals & NIWA
RC020405_Bathy_100m, Moana Minerals & NIWA
RC02_Bathy_35m, Moana Minerals
0000_20230807 35m Rarotonga, Moana Minerals
RC02_Bathy_35m_Raro_only, Moana Minerals
RC07_Bathy_25-31_35m, Moana Minerals & NIWA
RC020405_Bathy_35m, Moana Minerals & NIWA
RC07_Bathy_Rarotonga_10m, Moana Minerals & NIWA
RC02_rarotonga_10m, Moana Minerals & NIWA



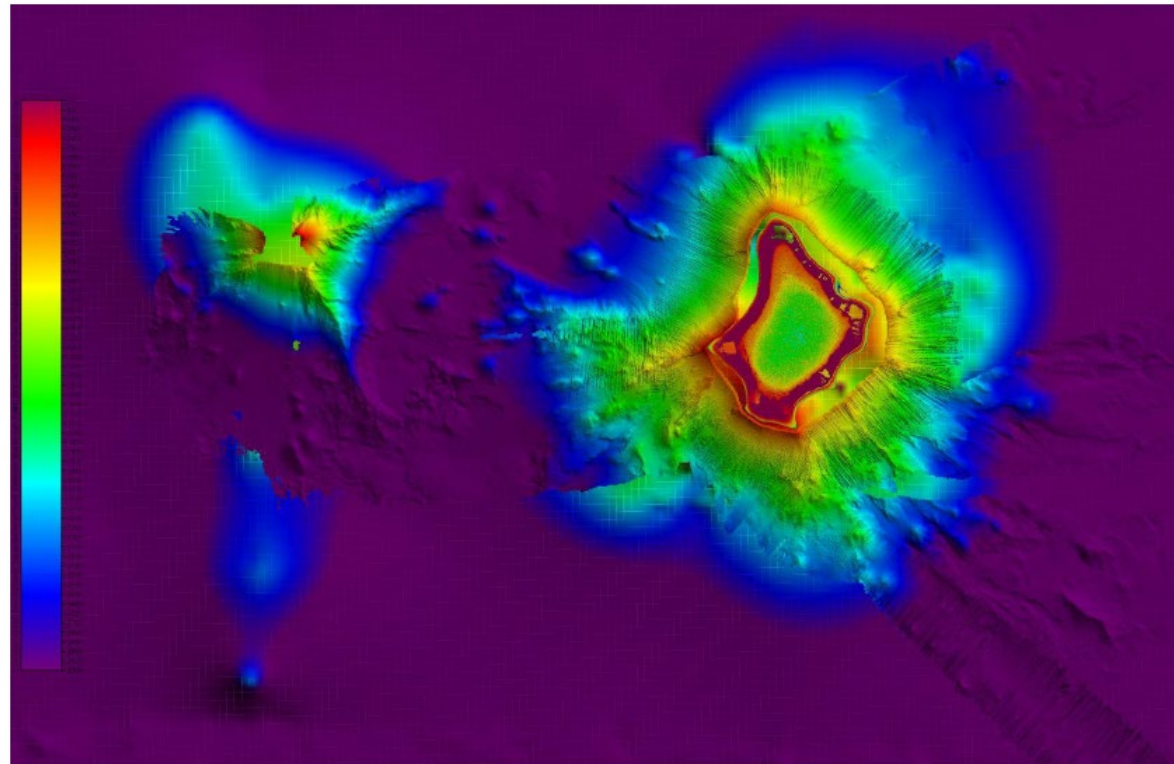
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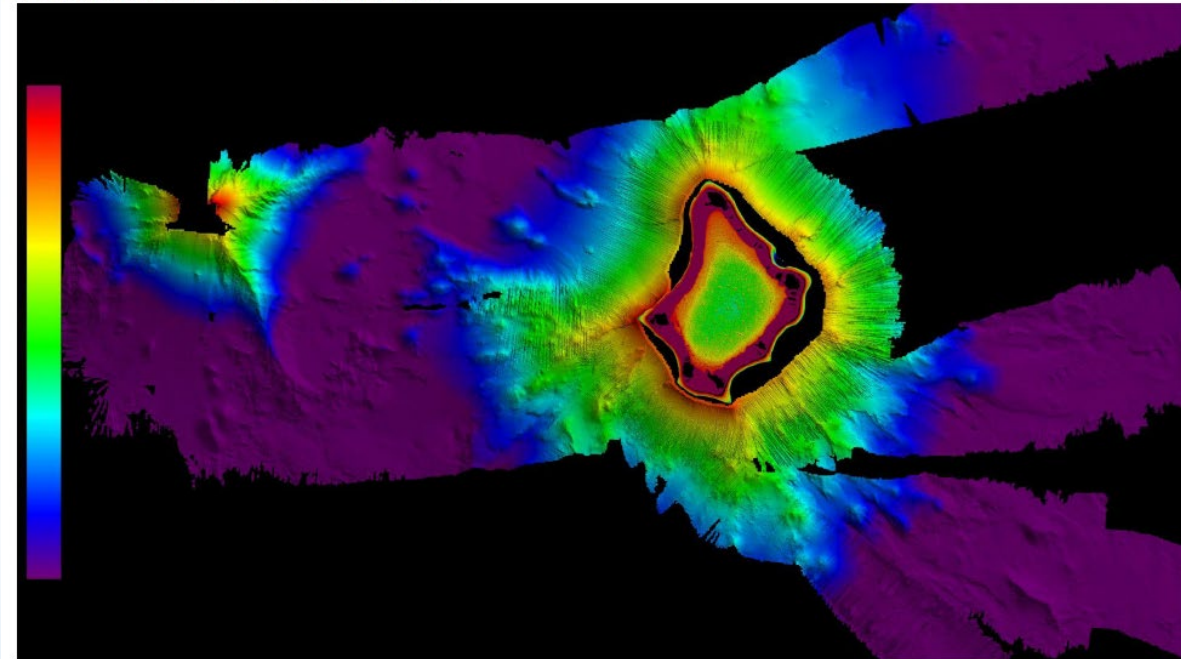
Main achievements during the year

MBES data Synthesis of the islands of the Cook Islands
TheDeep Cogeco – Ernie Tapanes



Palmerston and Kona Reef with GEBCO2024 background (hatched)

Palmerston (0-3000m colorbar except LiDAR)
Ellipsoid LiDAR_1m, Infrastructure Cook Islands
RC05_Bathy_100m, Moana Minerals & NIWA
RC020405_Bathy_35m, Moana Minerals & NIWA
RC05_palmerston_10m, Moana Minerals & NIWA



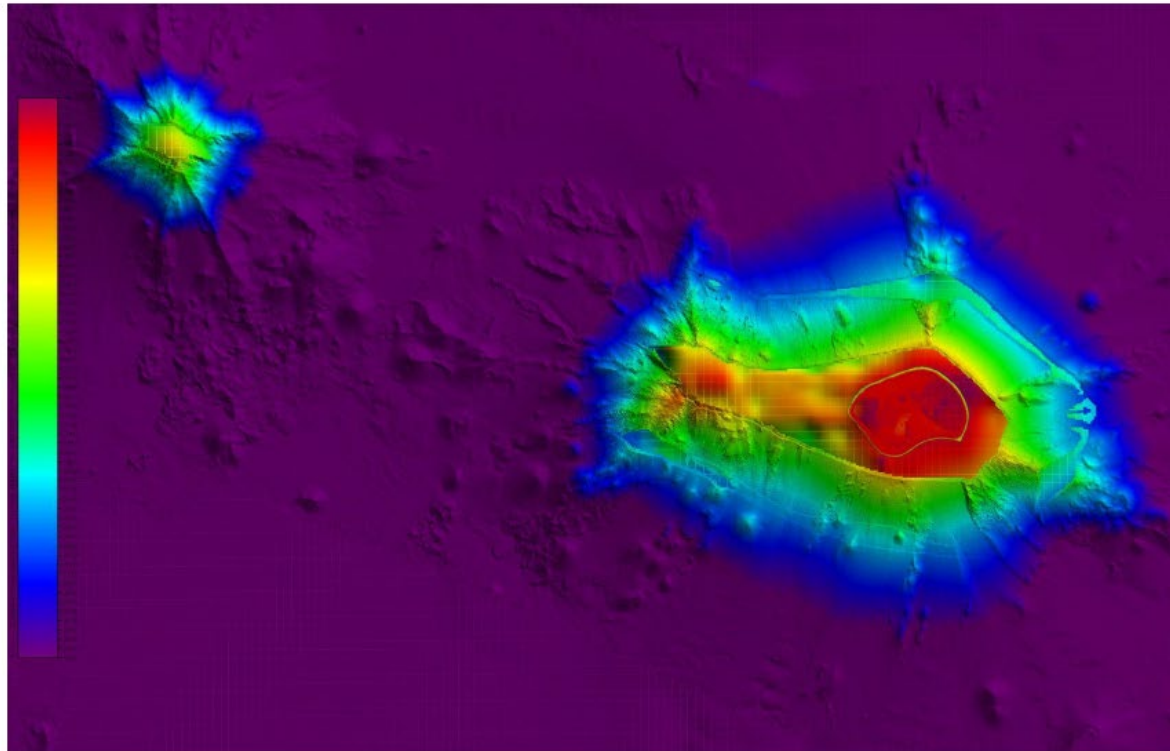
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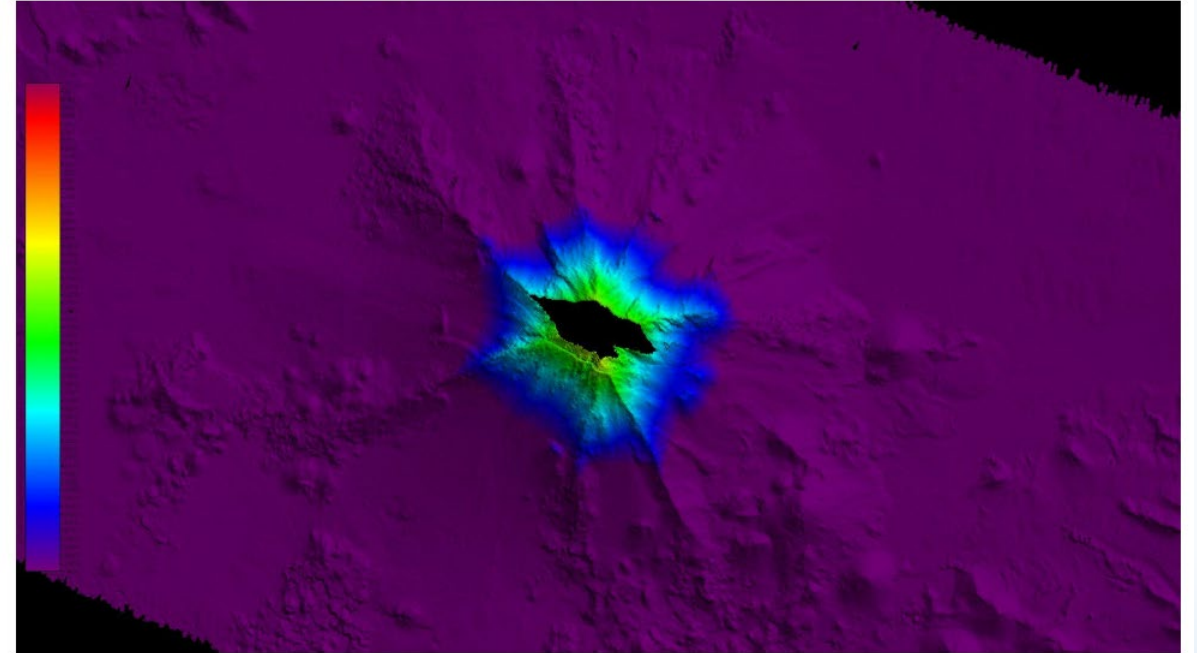
Main achievements during the year

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Manuae and Eclipse Seamount with GEBCO2024 background (hatched)

Eclipse Seamount between Aitutaki and Manuae (0-3000m colorbar except LiDAR)
RC020405_Bathy_35m, Moana Minerals & NIWA
RC07_Bathy_25-31_35m, Moana Minerals & NIWA



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Main challenges and/or obstructions

- Funding allocation to procure Nautical Charts from LINZ for distribution to maritime community
- Lack of knowledge importance of hydrography
- Recruitment process very difficult to attract technical people/Hydrographer Surveyors & Cartographers
- Communication Primary Charting Authority
- Secure funding for resources to deliver Hydrography Surveying



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Any other matters of interest

1. CookGeoPortal Development:

- Work on and load datasets, reports, GIS layers from mapping projects and metadata information.
- Finalize steps to implement web services to improve external data accessibility.
- Begin integrating user-friendly GIS visualizations for non-technical stakeholders (e.g. caching aerial imagery, map layers).

2. Modernization Cook Islands Geodetic Network

- Working together with SPC, Geoscience Australia and United Nations Global Geodetic Center of Excellence to develop Cook Islands Roadmap

3. IHO Membership

- Have presented our membership request to the minister and currently seeking the views of other stakeholders regarding the Cook Islands membership.

4. Global & Regional Collaborations

- UN-GGCE International Workshop “Joining Land and Sea”



Pacific
Community
Communauté
du Pacifique



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Any other matters of interest

Meitaki ma'ata



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