

# 20<sup>th</sup> Meeting of the South West Pacific Hydrographic Commission

National Report by

Cook Islands - Associate Member State]



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South West Pacific Hydrographic Commission



# Main achievements during the year

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- **First cohort for the Hydrography Leaders Program**
- **Rarotonga Coastal & Flood Hazard Mitigation Data Collection (LiDAR)**
- **Supplement updates of nautical charts**
- **Distribution of new charts to relevant government agencies**



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# Main achievements during the year

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**Coverage of new surveys:** Rarotonga Coastal & Flood Hazard Mitigation Data Collection (LiDAR):

The total project area is approximately 229.3 km<sup>2</sup> and covers the

- Areas of Interest within the Cook Islands. The collection of data on each island is divided into terrestrial, lagoon, and offshore components.
- The terrestrial component includes coastal frontage from low-tide shoreline extending inland to cover the whole land area of the islands and to include all permanent main and minor islands within each of the specified islands.
- The lagoon component includes lagoon bathymetry from the low-tide shorelines seaward to the fore reef for all lagoons, with the survey extent to 10 m depth on the fore reef.
- The offshore component includes offshore bathymetry from 10 m depth on fore reef to approximately 35 m depth, with 50 m depth preferred.



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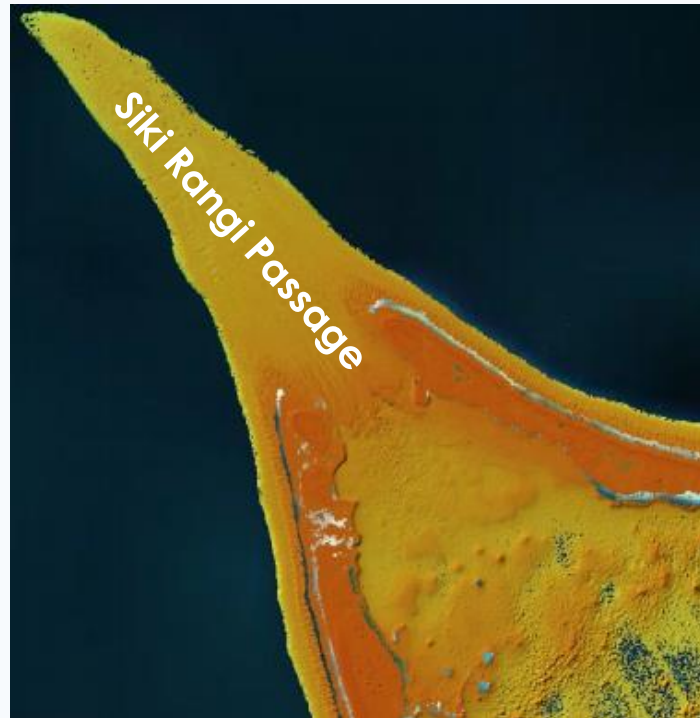
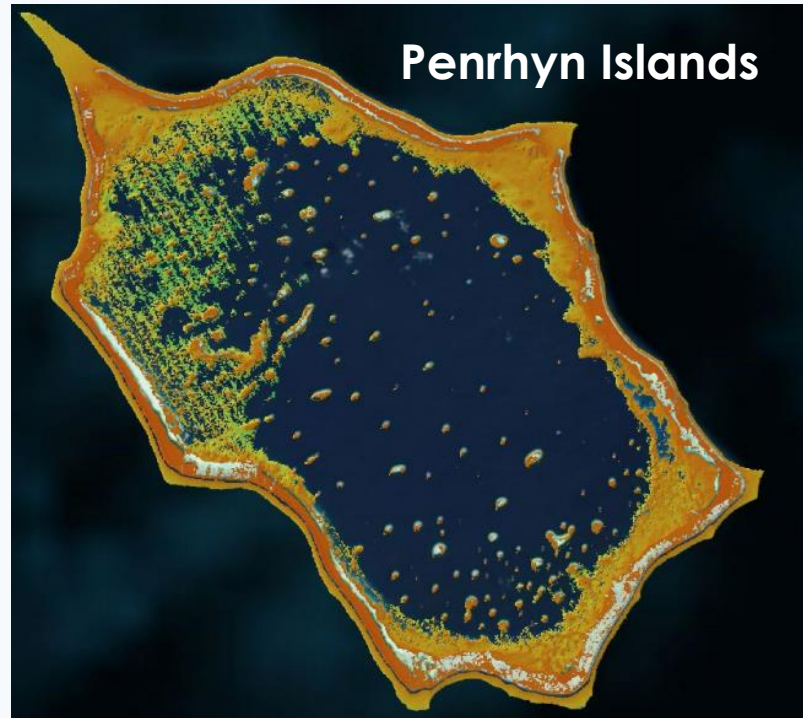
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# Main achievements during the year

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## Cook Islands Lidar Project



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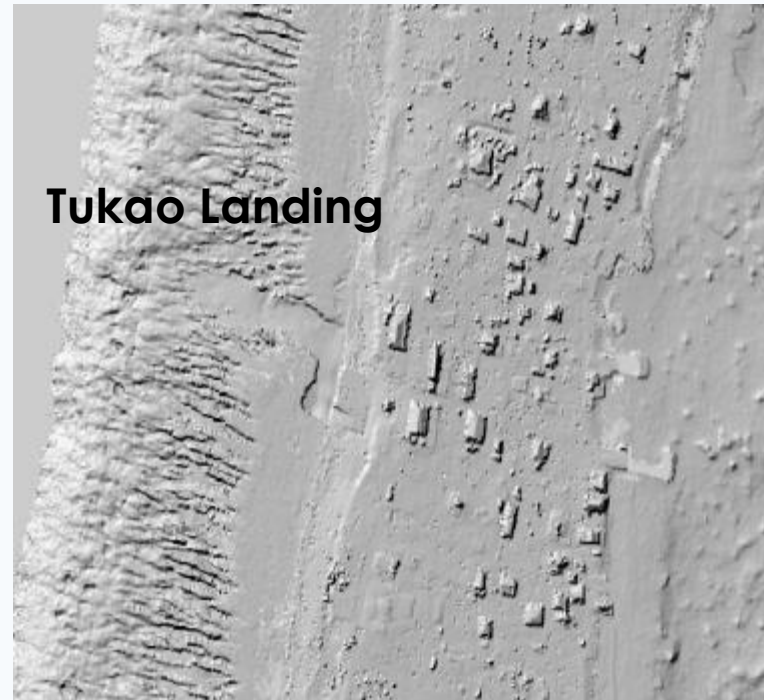
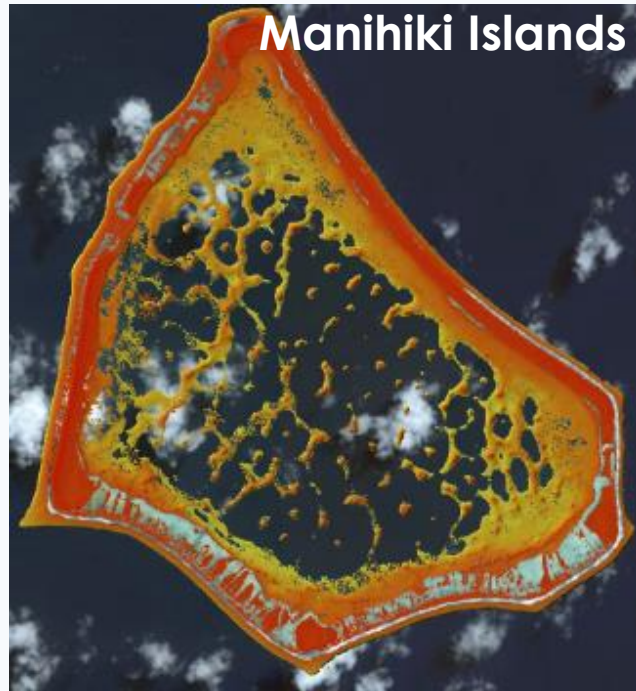
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# Main achievements during the year

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## Cook Islands Lidar Project



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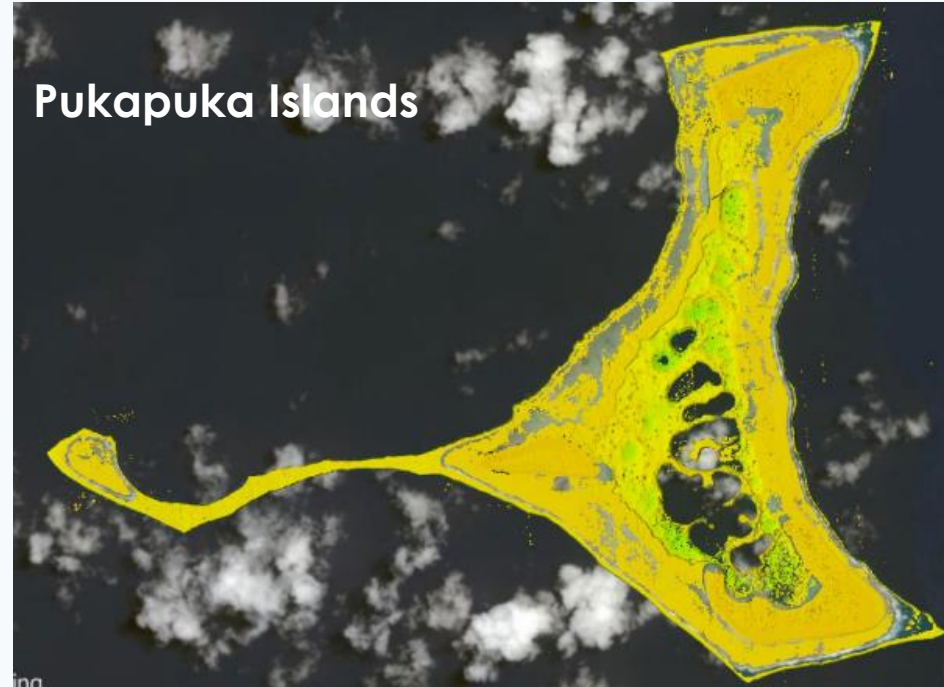
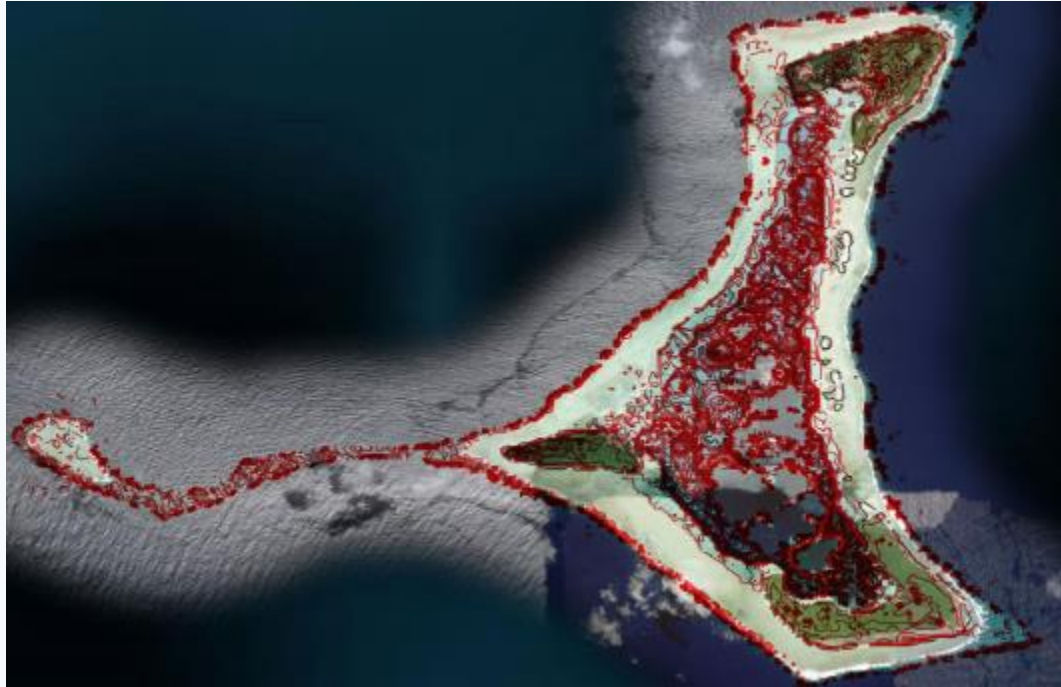
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# Main achievements during the year

## Cook Islands Lidar Project



# Main achievements during the year

## Cook Islands Charts Distribution

Ports Authority-Harbour Master



Ministry of Transport



Taio Shipping



Ministry of Marine Resources - Offshore



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# Main challenges and/or obstructions

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- Lack of Hydrography & Geospatial Strategy for Cook Islands
- Personnel, budgets and resources is a challenge to the Cook Islands enable us to effectively undertake our hydrography and Cartography responsibilities.
- Very difficult to influence government for support to enable the Cook Islands to apply for full member of the SWPHC



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# Any other matters of interest

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- **Replicate Integrated Geospatial Information Framework (IGIF) work in Kiribati by the (World Bank)**
- **Modernisation of the Cook Islands geodetic network (non-earth) coordinate system, current system obsolete**



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# Meitaki ma'ata



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