

SEMINAR ON E-NAVIGATION ON OUR OCEAN

The contribution of SIMA-JICA Project

Honiara, Solomon Islands

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Hydrography and the Solomon Islands
National Ocean Policy 2018

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Hydrography and the Solomon Islands Ocean Policy 2018



Presentation outline

1. General contributions of hydrography
2. Hydrography's Contribution to the Solomon Islands National Ocean Policy (SINOP) 2018
3. The 2024 National Ocean Conference and the Tulagi Declaration

General Contributions of Hydrography

Safety & Efficiency of Maritime Navigation and Surveillance

- Accurate nautical charts and services are fundamental for the **safe, secure and efficient movement of vessels**
- Maritime boundary delimitation and data related to the oceans, seas and coastal areas allows **effective surveillance of activities in jurisdictional areas**

Economic Development & the Blue Economy

- Knowledge of the oceans, seas and coastal areas allows **new shipping routes & services, enforcing jurisdiction, controlling activities, preparing & responding to disasters, accessing resources (fishing and minerals)**

Environmental Protection & Management

- Knowledge of the oceans, seas and coastal areas is needed for **marine environmental plans, managing dumping grounds, and monitoring coastal erosion**

Coastal Zone Management & Maritime Boundary Delimitation

- Knowledge of the oceans, seas and coastal areas is needed for **assessing feasibility for new ports**, maintaining & developing existing ones, **monitoring coastal erosion**, land reclamation, and **public works construction**
- Accurate hydrographic data is essential for **delimiting maritime boundaries under UNCLOS**

National Marine Spatial Data Infrastructures

- Data related to the oceans, seas and coastal areas and collected during hydrographic surveys are **essential Marine Spatial Data**

Scientific Research/Marine Science

- Bathymetric data is crucial for marine science underpinning **global/regional ocean & climate prediction models**, studies in **marine geology/geophysics**, and the deployment of scientific instruments.

Disaster Management

- Hydrography contributes to ocean & climate prediction models such **tsunami flood/inundation modelling** supporting communities & maritime infrastructure preparedness

Hydrography's Contributions to SINOP

Ocean Governance

- Geospatial data crucial for establishing & managing **marine space & marine spatial planning**
- Delimitation of **maritime boundaries & the extended continental shelf** supporting sovereign rights and protection of interests
- National spatial data infrastructures, supporting **data & knowledge sharing** among ministries, provinces, and communities.
- Basis for charts needed for **effective ocean surveillance, contributing to maritime security**

Ocean Environment

- Charting and safe navigation, helping **prevent maritime incidents** like groundings that cause pollution and damage habitats in our waters.
- Data necessary for **environmental assessment, monitoring and modelling oil spill trajectories**.
- Data vital for **marine science and research**, which is a SINOP strategy for understanding impacts and informing decision-making.

Ocean People

- Well-being and safety of ocean people through **safe navigation**
- **Mapping of areas important to communities**, such as fishing grounds, coastal areas, and traditional use areas.
- **National hydrographic capacity** through training and skilled jobs.
- Making navigational charts available to all mariners, including small boat users (e.g., via digital app), directly supports **reaching and empowering "ocean people" with crucial safety information**

Ocean Threats

- **Reduces the risk of accidents** (like oil spills, wreckages, habitat damage) through safe navigation and accurate charting
- Data is used in **coastal disaster management**, including tsunami flood and inundation modelling
- Data to **help manage activities** like shipping and resource extraction to reduce their environmental impact
- Data for **studies and research on the ocean environment and the impacts of development**, necessary for informing decision-making regarding threats

Ocean Use

- Crucial for safe and efficient navigation which is **vital for shipping (the country's lifeline), tourism, fishing, and local transport**
- Data for coastal **infrastructure development such as ports, jetties, and channels**, including necessary dredging operations
- Necessary for resource exploitation, including **identifying fishing grounds and supporting offshore industries**
- Implementing marine spatial planning to **harmonise competing uses** relies heavily on the comprehensive marine data that hydrography

2024 National Ocean Conference

Hydrographic Capabilities

- **committing** to enhancing national hydrographic capabilities and investing in hydrographic equipment

Hydrographic Information

- **Prioritizing** the collection, management, and dissemination of accurate hydrographic information by building capacity to conduct hydrography surveys

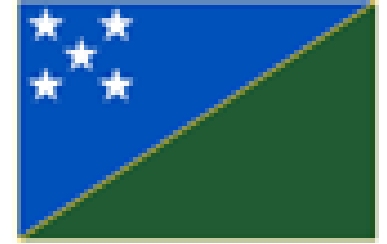
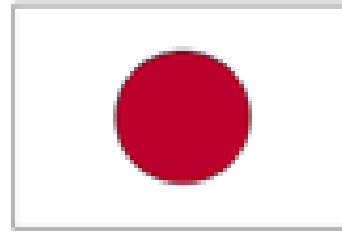
Tulagi Declaration

Hydrographic Technical Cooperation

- **Acknowledging** the importance of international, regional, and bilateral cooperation in sharing hydrographic expertise and resources

Hydrography's contributions

- **Recognising** the contributions of hydrography in safe navigation, marine protection, sustainable exploitation of marine resources, economic development, disaster risk reduction and environmental conservation.



TAGIO TUMAS

The Project for Development Support of
Electronic Navigational Charts for
Honiara and Noro Ports in Solomon
Islands