

The First Pacific Regional Workshop on Multi-Hazard Risk Assessment and
Early Warning Systems with Applications of Space and GIS
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STATUS ON GEOPORTAL DEVELOPMENT FOR THE ASSESSMENT OF VULNERABLE COMMUNITIES

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OUR AGENDA

- Web Service History
- Rationale
- Concerns
- Information Systems
- Survey Findings to Date
- Other Benefits
- Household Survey Methodology
- Summary
- Recommendation

WEB SERVICE HISTORY – Cook Islands

■ Mapserver



- 2005 – SOPAC Deployed to 14 PICs as part of EU/EDFg Pacific Islands Vulnerability Project. Hosted by MOW.

■ GeoNetwork



- 2013 – Deployed as an UNDP/ESCAP initiative in Metadata management for DRM purposes. Hosted at MOIP then EMCI.

■ GeoNode



- 2014 - Adopted as the default for GIS Layers and Maps catalogue system as it was compliant with ISO Standards.



RATIONALE

- Disaster Risk Management
 - Identify vulnerable buildings
 - Identify vulnerable people
 - Identify Hazard prone areas
- Climate Change
 - Minimize the negative impact of Natural Disasters – Droughts, Cyclones, Tsunami, etc

RATIONALE - MANDATES

- Disaster Risk Management Act 2007
 - Section 5.(2)(n)

(n) *more preparedness for an emergency or disaster,*
coordinate the development of a database of Emergency Management information including but not limited to hazard maps, vulnerability assessment reports and resulting maps, training information, exercise reports, disaster management resources and emergency contact details;

RATIONALE - MANDATES

■ EMCI Annual Work Programme 2015/2016

Output 6: Emergency Management Cook Islands (EMCI)

- To coordinate and facilitate efforts to increase resilience of our population to disasters.
 - Ensuring that systems, tools, procedures and processes for disaster risk management are in place for disaster risk reduction, mitigation, preparedness, response and recovery.

NSDP/BPS Strategic Objectives/ Goals	Key Deliverables/ Results	15-16	16-17	17-18
NSDP goal 5 A Cook Islands where our people are resilient to disasters and climate change to achieve sustainable livelihoods.	DRM and CC geoportal is accessible to the public	Ongoing collation of GIS, SDI, DRM, CCA information for the geoportal with the geo portal being accessible to pubic by June 2016.	Continue to build the information on the geo-portal and improve its accessibility to the public. Conduct annual education and awareness	Continue to build the information on the geo-portal and improve its accessibility to the public. Conduct annual education and awareness

RATIONALE - MANDATES

- ICI Annual Work Programme 2015/2016 under Planning and Design, Urban Planning & Land Management

NSDP/BPS Strategic Objectives/ Goals	Key Deliverables/ Results	15-16	16-17	17-18
Strengthen capacity in GIS and satellite imagery to better inform development and land use planning.	Sustainable land development and management that is consistent and in harmony with our culture and environment.	100% of mapping of selected feature layers of the Southern Group islands are completed by June 2015.	Ongoing maintenance of selected feature layers of the Southern Group.	Ongoing maintenance of selected feature layers of the Southern Group.
		50% of the identification and assessment of buildings vulnerable to climate change for disaster planning and management in Rarotonga and Aitutaki by June 2015.	100% of the identification and assessment of buildings vulnerable to climate change for disaster planning and management in Rarotonga and Aitutaki by June 2016.	Identification and assessment of buildings vulnerable to climate change for disaster planning and management for rest of the Southern Cook Islands by June 2017.
	Improve our data and information collection, analysis, and management by developing and implementing a sound framework for statistics.	50% spatial information across government are centralized and archived at ICI by June 2015.	100% spatial information across government are centralized and archived at ICI by June 2016.	Maintenance and electronic archiving of maps continues.
		Develop and endorse a MOU for information management and sharing between key stakeholders.	Implementation of the MOU for information management and sharing between key stakeholders.	Review the MOU for information management and sharing between key stakeholders.

RATIONALE – DRM REQUIREMENTS

Disaster Management Workflow



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_2451

