

Risk Information: Challenges and Opportunities in the Pacific

Sub-regional Training Workshop on
Geo-DRM System for Pacific
Countries

Background

- SOPAC – Applied Geoscience and Technology Division, Secretariat of the Pacific Community
- 3 technical programmes – Ocean and Islands, Water and Sanitation, Disaster Reduction Programme supported by GIS&RS, Technical Workshop, Resource Economics
- SPC



GIS&RS

- Support to countries to establish and maintain GIS in SOPAC's key areas
- Challenges of using GPS – local projections and datums, metadata
- Opportunities presented through projects to consolidate GIS data and spatial information from disparate projects
- **MapServer**



1990s

2004

Present day


Pacific Catastrophe Risk Assessment and Financing Initiative

- Feasibility study to establish a catastrophe risk pool in the Pacific
- Limited baseline information needed to quantify potential economic losses
- **Revised the approach**

2007

2013

2010



PCRAFI

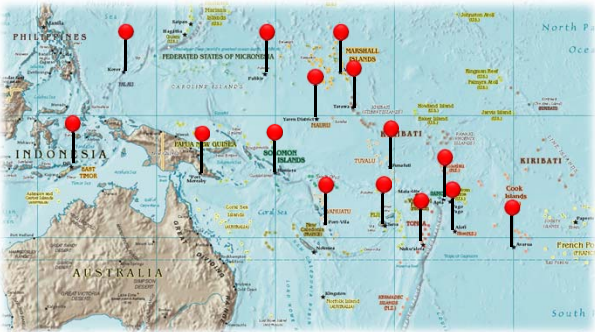
PACIFIC CATASTROPHE RISK ASSESSMENT & FINANCING INITIATIVE









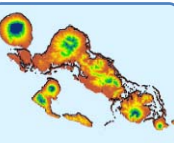

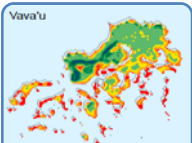

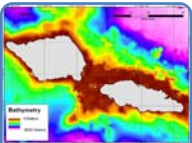


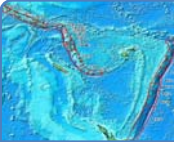


Pacific disaster risk assessment

- Probabilistic assessment of major perils
- Exposure database
- Country risk profiles

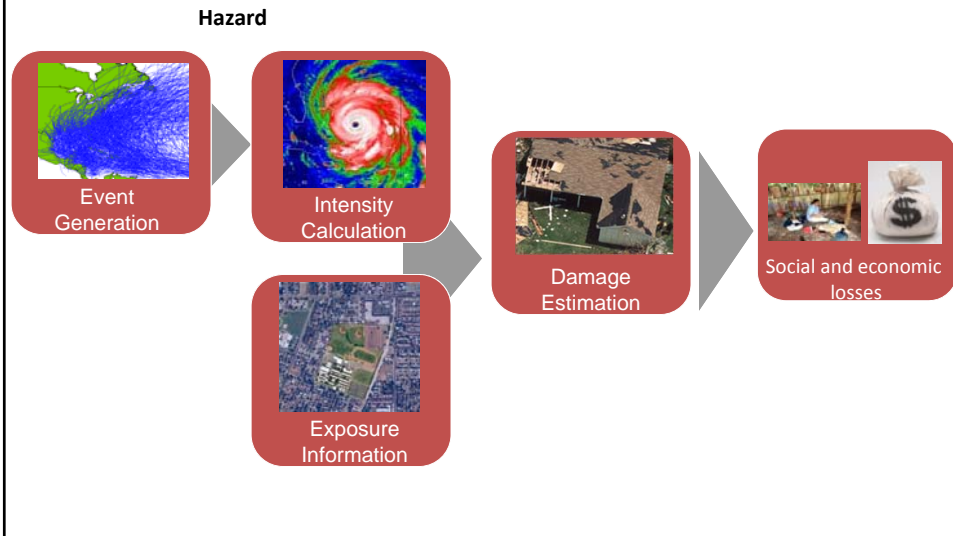
Pacific disaster risk financing solutions

- Fiscal risk exposure
- Financial disaster risk management
- Regional risk pooling

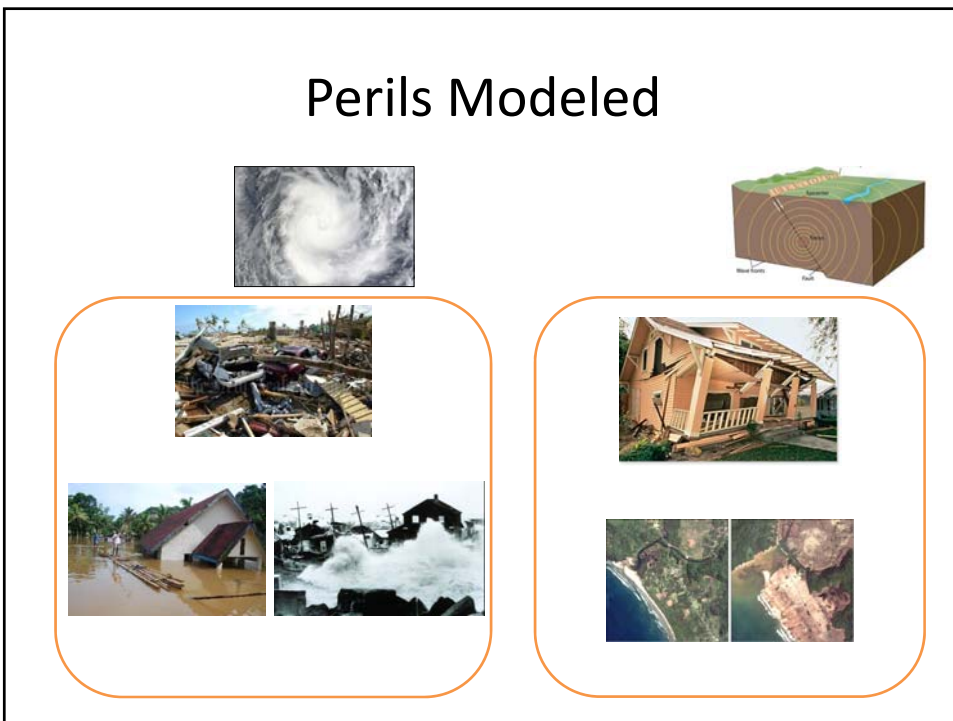


 Satellite imagery 	 Administrative Boundaries 	 Population Census 	 Agricultural Census 
 Surface Geology 	 Topographic maps 	 Surface soil 	 Bathymetry 
 Damage & Loss Assessments	 Geodetic and Fault Data	 Infrastructure 	 References

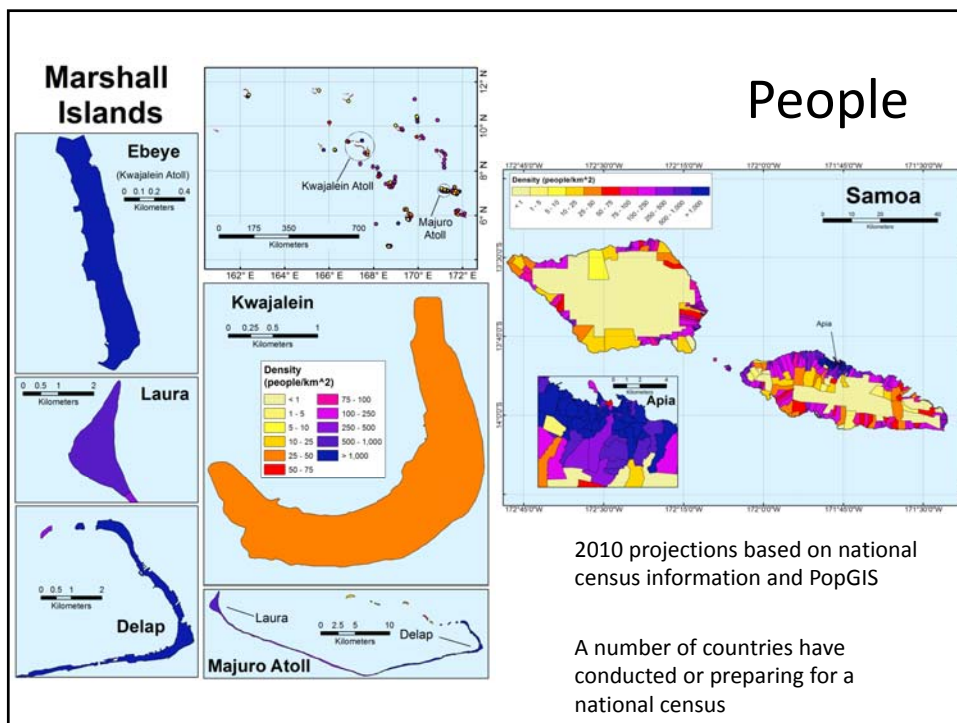
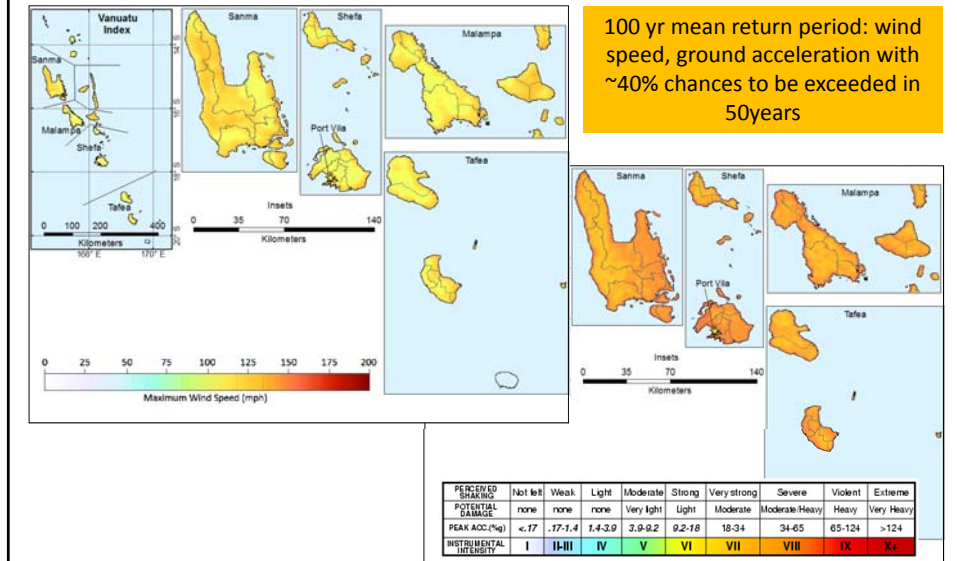
Risk Assessment Framework



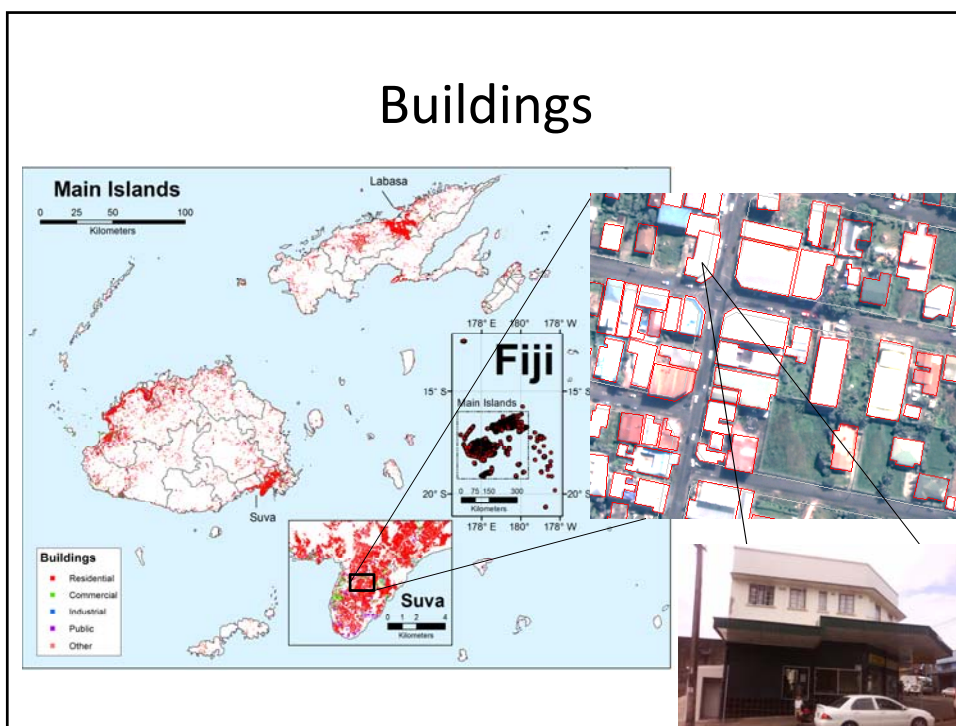
Perils Modeled



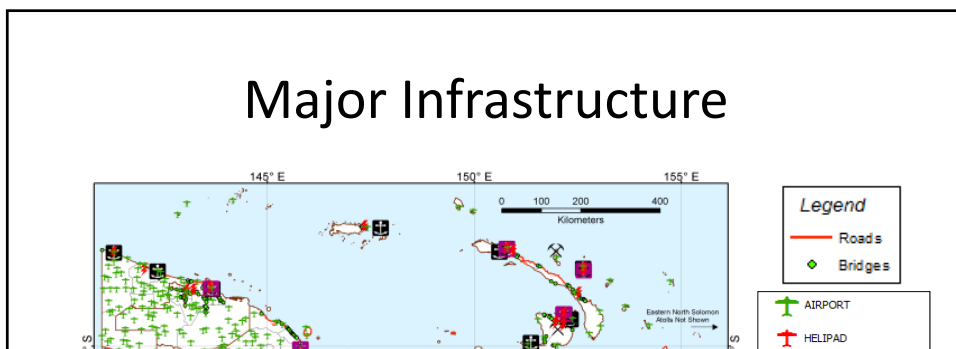
Hazard Maps



Buildings



Major Infrastructure



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_6797

