



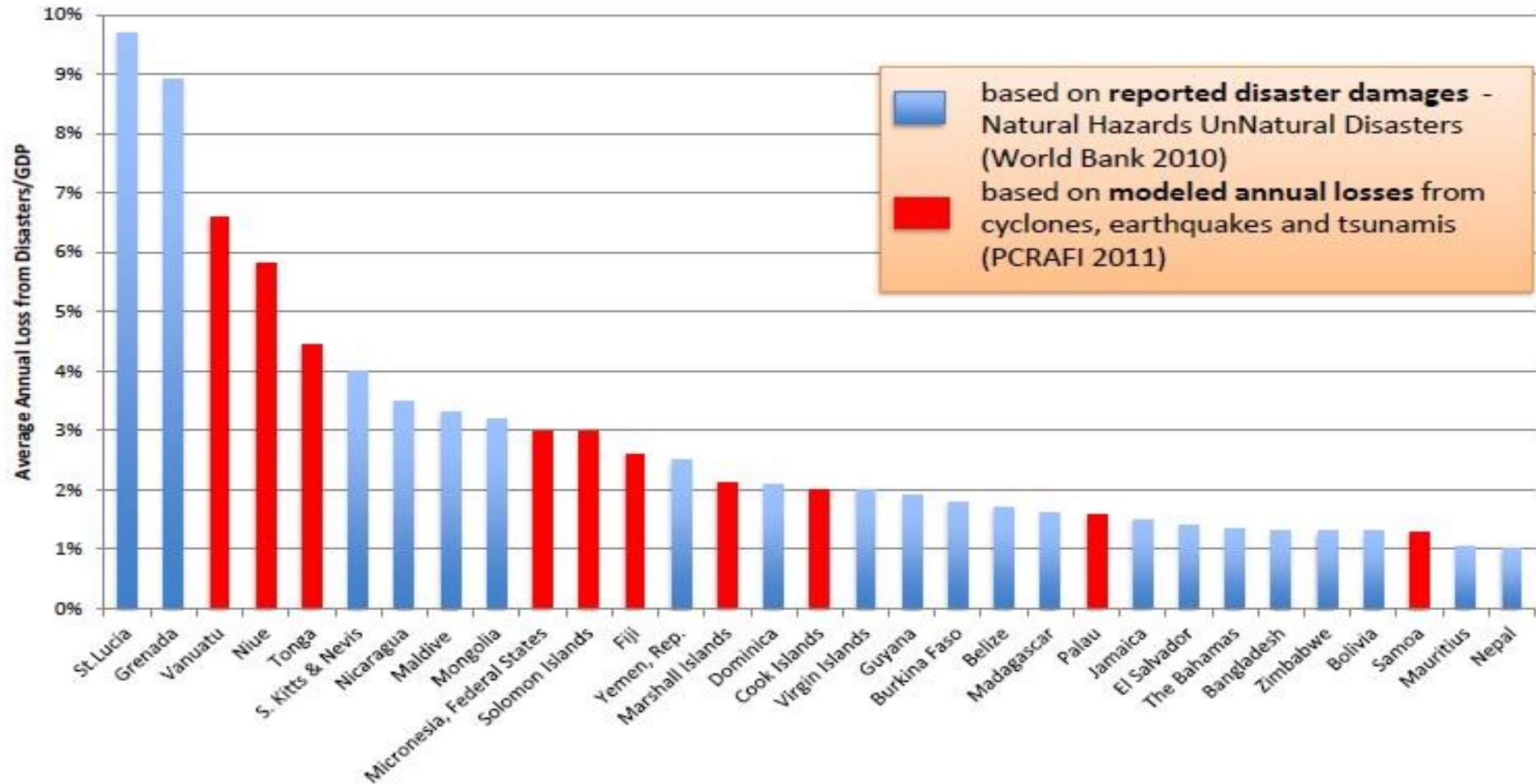
ADB



Planning, Designing and Building
for
Climate Resilience in the Pacific

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PACIFIC COUNTRIES AMONGST THE MOST VULNERABLE IN THE WORLD



Damage from Tropical Cyclones in Tonga



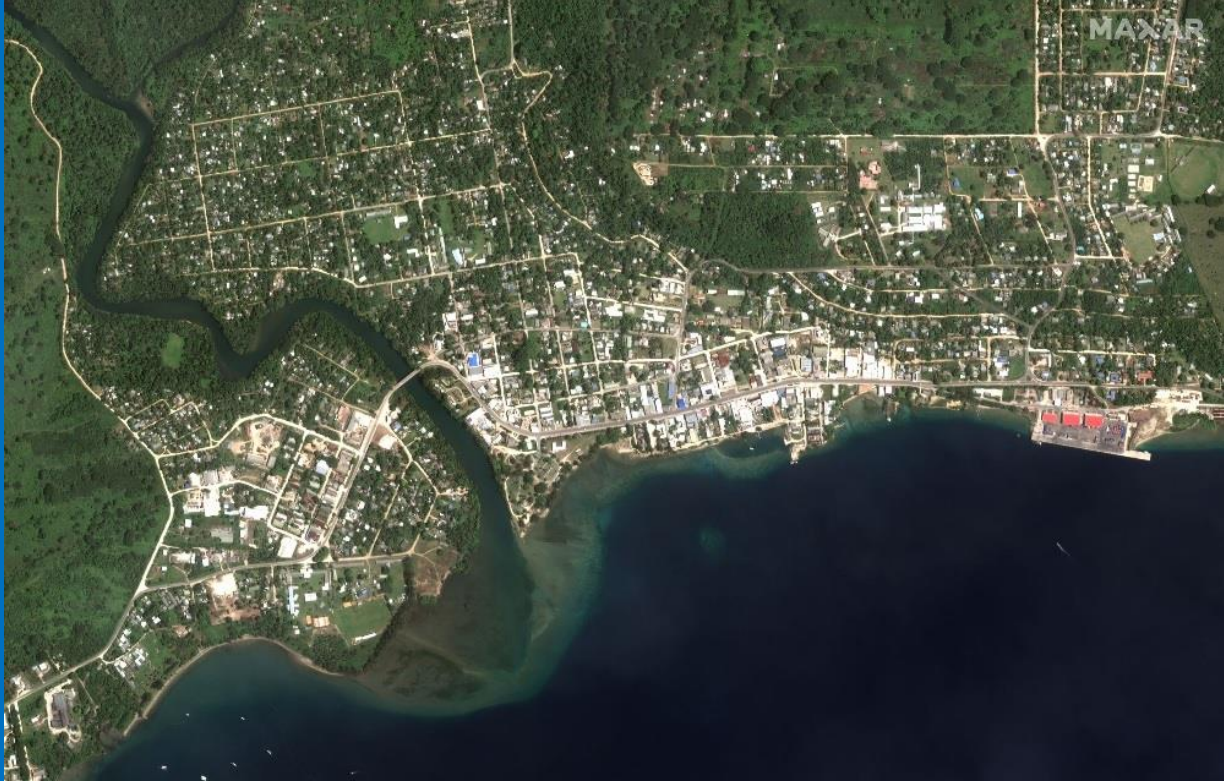
TC Ian (2014)
TC Winston (2016)
TC Gita (2018)
TC Harold (2020)



TC Harold – April 9, 2020



Vanuatu 2020 TC Harold Damage



In 2015, TC Pam caused \$450M damage

ADB Actions for Planning, Designing
and Building for Climate Resilience in
the Energy Sector in the Pacific

Climate Proofing Investments for Climate Change



Making sure that we have the best available understanding of the climate science – extreme rainfall, wind speed, drought or sea level rise - to inform investments.

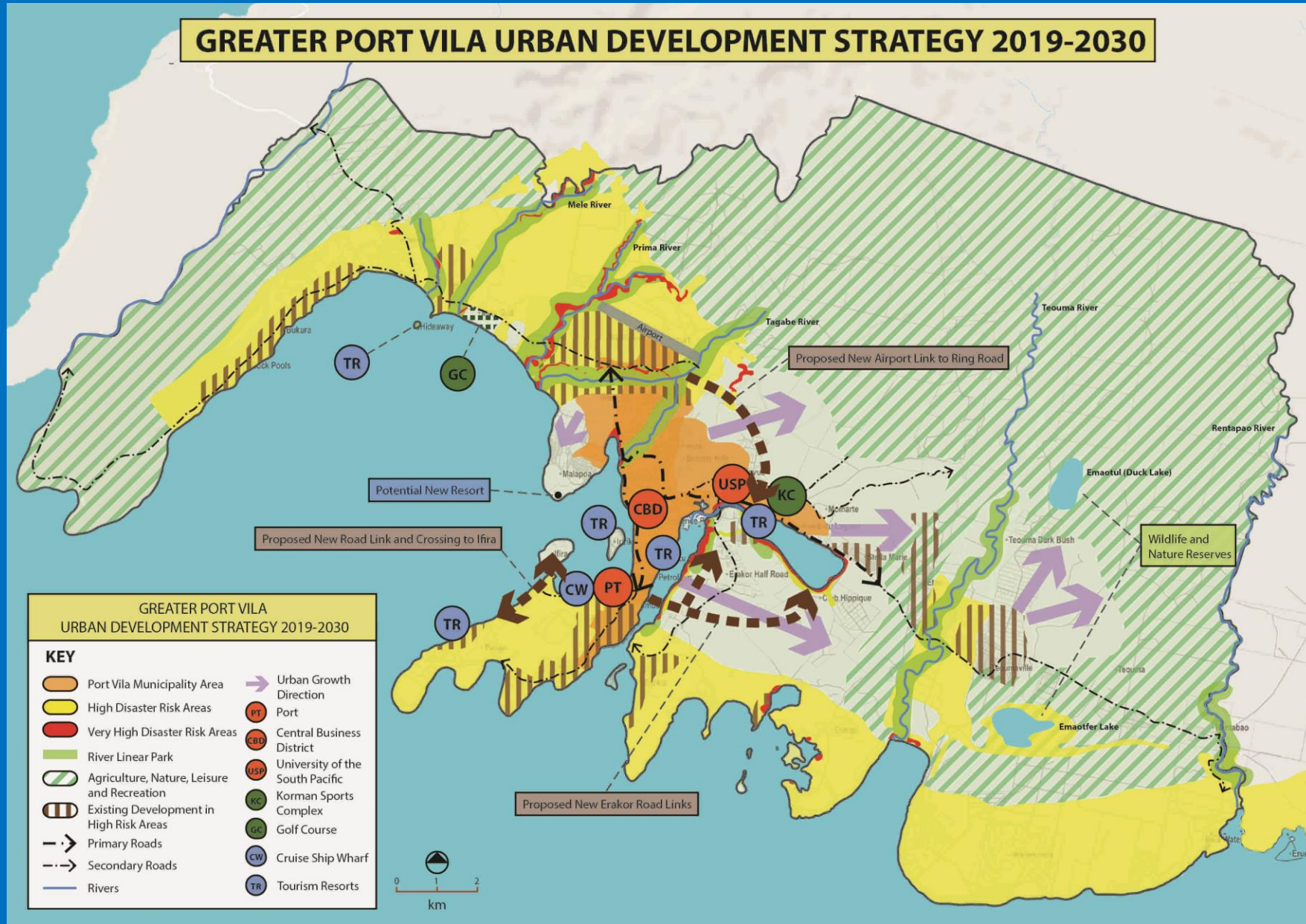


Building Back Better



Underground cables
Stronger Poles
Stronger Cables
Building Capacity of Staff

Holistic Approach to Planning for Resilience



Examples

Port Vila Integrated Urban Resilience Investment Project
 GIS Based Hazard Mapping

Tonga— Multi-hazard Analysis to identify resilient pathway based on systems approach for Nuku'alofa and Tongatapu Island

Comprehensive Energy Sector Disaster Risk Reduction Investments

Consider Structural and Non-Structural Aspects of the System

Develop a DRR Action Framework for the Energy Sector

Apply Country Wide GIS based mapping of power systems ++

Apply DRR considerations to Power System Planning

Include Equipment for disaster management

Coordinate with Disaster Management Agencies

Interoperability of Assets and Utility Staff



Financing Climate Change & Disaster Resilience

- ADB's Commitment of 80 Billion USD to Climate Change under S2030
- ADB's Asian Development Fund (ADF13) Climate Change & DR Window
- ADB's Contingent Disaster Financing
- Partnerships for Co-Financing GCF – Tonga's RE Investment
- GEF – Integrated Urban Resilience Investments
- Bilateral Co-financing – Australia, New Zealand, European Union, Japan ++

Thank You