



Climate Change Impact on Pacific Ports and Future Sustainability





- a) Five islands have disappeared and another six have been badly eroded in the Solomon Islands owing to rising sea levels
- b) Cyclone Pam hits Vanuatu in 2015
- c) Rising seas in Samoa

Some incidents of impact to Ports


- 2015 Cyclone Pam caused severe damage to Port Vila, Port Vila, Efate, Vanuatu
- 2011 floods - inland coal mines in Queensland, Australia reduced the throughput of Port of Gladstone by approx. 40 million tons
- 2009 Heatwave shut down Port Melbourne for three days
- 2019 Cyclone Harold caused a US\$ 0.5m damage to Solomon Ports

What Challenges Us most

- Rising sea levels
- Storm surges/ High Swells
- Heavy winds
- Sea surface salinity (leading to high rates of corrosion)
- Sedimentation rates
-Revenue.....Future viability

Ports Resilience to Climate Risks and Adaptation

What can make us sustainable?

1. Climate risk and vulnerability assessment to understand our greatest risks
2. Construction of resilient infrastructure – Climate Proofing
3. Develop guidance, best practices, checklists, methodologies and other tools in support of adaptation – and implement
4. Energy efficiency in seaports and use of renewable energy
5. Access to Climate finance
6. Prioritise adaptation options for better resilience 

An aerial photograph of a port area, showing a large cargo ship docked at a pier. The ship is positioned in the lower-left quadrant of the frame. The surrounding area includes various port facilities, buildings, and other smaller vessels. The water is a light blue-grey color. The overall image is slightly blurred, giving it a soft, atmospheric feel.

Lets make a voice for the Pacific Ports

Thank You