

Vulnerability Assessment for Adaptation

**19th Asia-Pacific
Seminar on Climate Change
20th – 22nd July 2010
Righa Royal Hotel – Kokura
Kitakyushu, Fukuoka
Japan**

Solar Eclipse in the Cook Islands

Mangaia Island 11th July 2010

[8:00am – 8:10am CIST]



Vulnerability Assessment for Adaptation

- Outline of Presentation
- Introduction – Cook Islands
- Organization Involved in Climate Change
- Vulnerability Assessment for Adaptation
- Adaptation Measures and Actions
- Lessons Learnt
- Conclusion

Background of the Cook Islands



- Cook Islands – Consists of 15 low lying atoll and volcanic Islands scattered in the Pacific Ocean and Rarotonga being the capital of the Cook Islands
- It lies between Latitude - 10°S - 21°S and between 155°W - 165°W Longitude
- Total Land Area – 240km²
- EEZ – 1.8million km² of ocean
- Population – just under 20,000
- Government – Self Govt in free association with NZ
- Currency – NZ Dollar
- Climate – two distinct season
 - Wet season also the tropical cyclone season November – April where 2/3 of our rainfall are recorded.
 - Dry season May to October where 1/3 of rainfall are recorded



Organizations Involved in Climate Change

- **Ministry of Foreign Affairs**
 - international communication and logistics
 - Signing and agreeing to international conventions
- **National Environment Service [NES]**
 - Policy Development and Implementation on CC issues
 - Compliance Monitoring
 - Adaptation and mitigation Awareness and Education (Schools and Communities Outer Islands and Main Island)
- **Meteorological Service**
 - Data Collection and Analysis, dissemination of early warnings
 - External Programs Involvement for Capacity Building
 - Seasonal Climate Outlook for Pacific Island Countries [SCOPIC]
 - Pacific Climate Change Science Program [PCCSP]
 - Both Programs involves institutions such as National Institute of Water and Atmosphere [NIWA] New Zealand
 - Climate and Research Department of the Bureau of Meteorology, and CSIRO of Government of Australia.

Organizations Involved in Climate Change

- **Ministry of Utilities**

- Water Works Fresh Water Sustainability [subsidy of water tanks to homes on elevated areas and the outer islands]
- Energy Department Renewable Energy [Solar Power and wind power generation]
- Planning and Infrastructure [monitoring and compliance of building codes]
- Waster Management [monitoring and compliance of waster disposal]

- **Non-Government Organizations**

- World Wide Fund for nature – awareness programs to schools, communities, woman groups, youth and church organizations.

- **Private Sectors**

- Commercial businesses investing in renewable energy especially prospects of solar power.