SPREP
Overview & data management role

PRiMO Workshop for
Waves and Water Level (WWL) Hazards Data
Framework Development
Honolulu 5th-6th December 2005
Imin International Conference Center
Overview

• What is SPREP?
  • Secretariat of the Pacific Regional Environment Programme, Apia, Samoa (fmr Western)
  • SPREP aims to promote cooperation, enable better planning, protection, management and use of Pacific environments for sustainable development, with a unique focus to sustain the integrity of the ecosystems to support life and livelihoods for now and the future.
  • SPREP has 21 Pacific island member countries and four countries with direct interests in the region.
  • SPREP operates two programmes: Island Ecosystems and Pacific Futures.
• Island Ecosystems
  • Terrestrial island ecosystems
  • Coastal and marine ecosystems
  • Species of special interest
  • People and institutions

• Pacific Futures
  • Managing multilateral environmental agreements and regional coordination mechanisms
  • Environment monitoring and reporting
  • Climate change and atmosphere
  • Waste management and pollution control
  • Environmental planning
Data management projects in SPREP

- Dependent on nature of project
  - E.g. Turtle database for Marine Species project
    Tagging and satellite tracking and reporting
    Central database with SPREP, reports to countries and those interested
  - Generally, projects not of technical nature so not many database oriented activities
- PI-GCOS
  - Pacific Island - Global Climate Observing System
  - Particular focus in Climate Data Management under PI-GCOS Action Plan

{ Technical Policy Capacity building } coordinating role
PI-GCOS ACTION PLAN

- **Project: Strengthening Observing Systems**
  - Restore Human-operated surface observations
  - Provision of AWS (or ACS)
  - Basic Met Training
  - Restore and Upgrade upper air network

- **Project: Strengthening Telecommunication Network**
  - EMWIN
  - RANET
  - HF
PI-GCOS ACTION PLAN (cont)

- **Project: Basic Meteorological-Climate Training**
- **Project: Climate Data Management**
  - Data Rescue
  - Data Archival Schemes
- **Project: Institutional Strengthening**
  - SPREP Meteorological Officer
  - SPREP RMSD
  - Basic Building Construction
  - Enhancing Weather forecasting capability (US NWS - Pacific Desk Training)
  - Enhancing seasonal forecasting capability (e.g. BOM-PI-CPP)
PI-GCOS Data Management

- Interaction primarily with National Meteorological Services of the Pacific through their national weather/climate networks
  
  Surface data
  GUAN data
  Hydrological data
  NMS Hydro components
  Sea-level data
  - SPSLCMP tide-gauges (+ UH),
  - 10+years data sets
- Samoa experience
  Hydro + sea-level data
**PI-GCOS Data Management Hazards Framework**

- Primary concern - getting data out
  - Technical assistance - TB rain-gauges + small high quality low cost climate equipment
  - Agreements to transmit and share data with research institutes, meet WMO reporting requirements
- NMS services and products (data applications)
  - Interface with NMS clients
    - Water, Agriculture, Energy/Power, CC, and; National Disaster Management offices
    - Misc. weather/climate warnings
    - NMS tsunami bulletin/warning relay
• PI-GCOS key inputs to a data framework
  • Regional aspect
  • Local concerns and application needs
  • Address

Communications
HRD needs + institutional strengthening
Interface w/ NDMO and sectors
Building sector partnerships