



- *Climate Change Roundtable on the the Pacific Islands Regional Framework for Action on Climate Change, Climate Variability and Sea Level Rise*

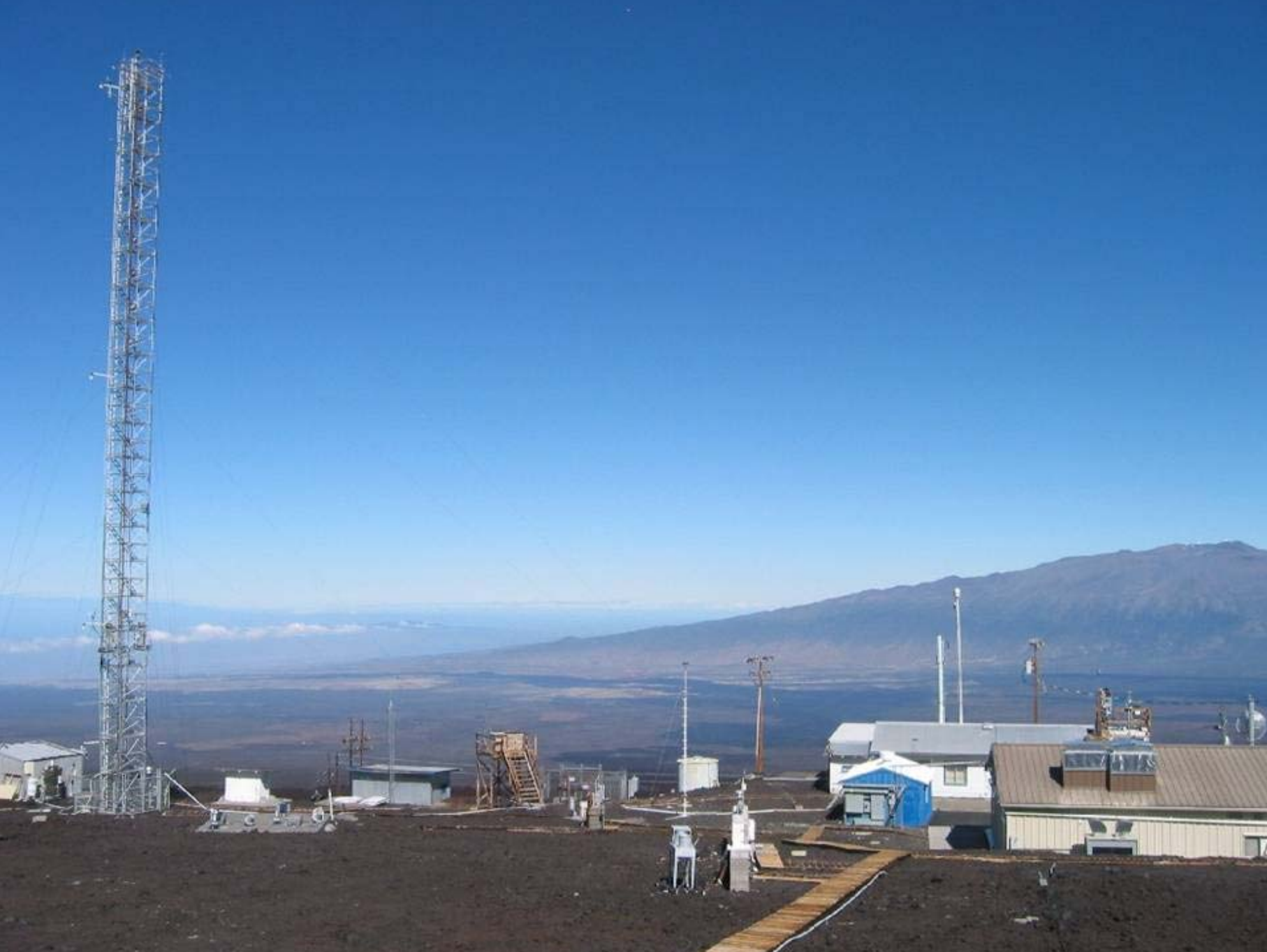
AUAPAAU ANDRE VOLENTRAS



# Today's Situation

- Already witnessing impacts of climate change
- Extreme events more frequent & intense
- Sea levels projected to rise between 9cm-88cm by 2100
- Urgent need to adapt

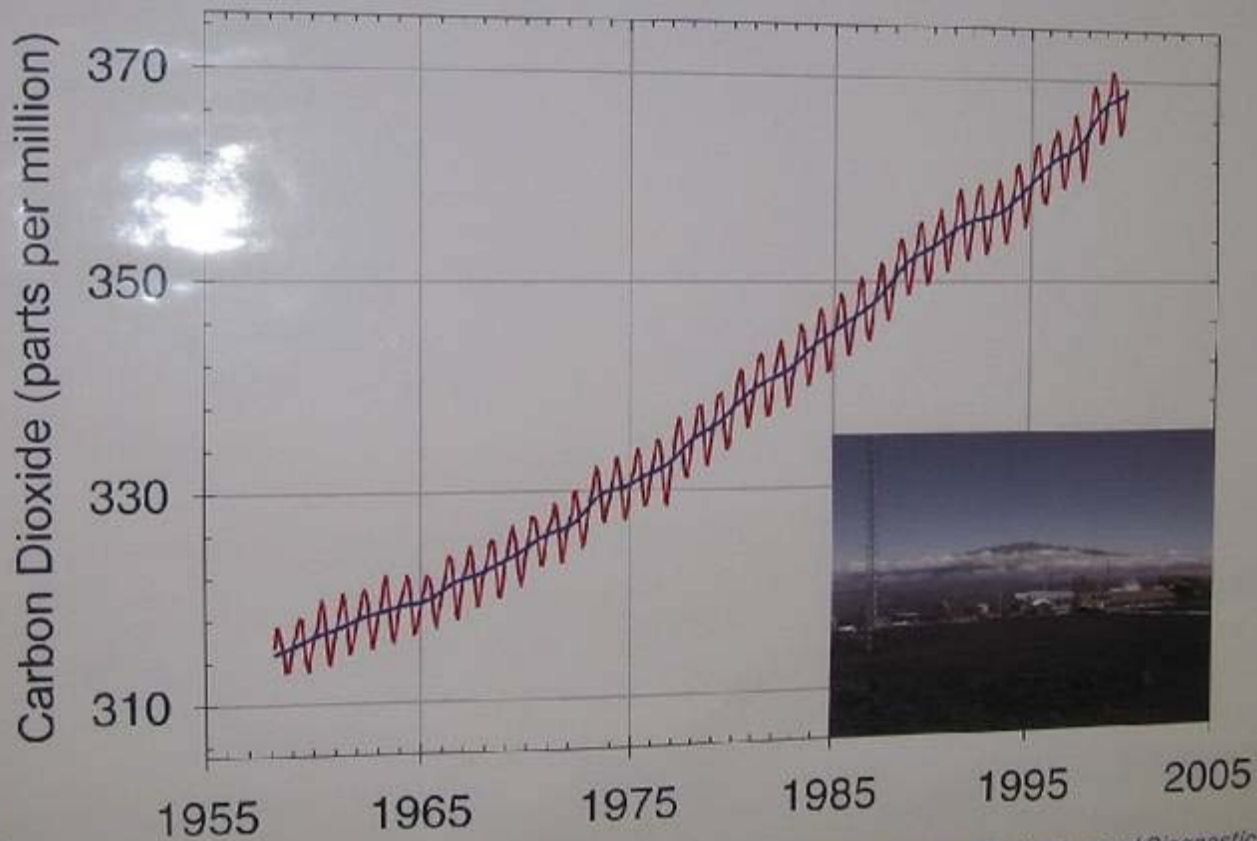




# THE 42 YEAR CARBON DIOXIDE RECORD

*Documenting Human Influence on Global Change*

## MAUNA LOA OBSERVATORY



NOAA Climate Monitoring and Diagnostics Laboratory



# Objective

- Improve PICT's understanding of and strengthen their capacity to respond to climate change, climate variability and sea level rise



|  |  |   |   |
|--|--|---|---|
| <p>PICTS RESPONSES TO THE KNOWN AND POTENTIAL IMPACTS OF CLIMATE CHANGE ENHANCED THROUGH THE IMPLEMENTATION OF ADAPTATION MEASURES</p>                                     | <p>ALTERNATIVE ENERGY TECHNOLOGIES AND SYSTEMS THAT ARE ADEQUATE, AFFORDABLE, EFFICIENT AND ENVIRONMENTALLY SOUND, IN PARTICULAR RENEWABLE ENERGY RESOURCES DEVELOPED AND USED</p> | <p>IMPROVED ACCURACY OF INFORMATION, MODELLING AND CLEARING HOUSE MECHANISMS ON THE EFFECTS OF CLIMATE CHANGE</p> | <p>CFCS IN PICTS BANNED BY 2005</p>                   |
| <p>ADAPTATION PILOTS-CIDA AUSTRALIAN INITIATIVE</p> <p>GEF/UNDP REGIONAL PROJECT PACC PROPOSAL DEVELOPMENT</p> <p>SECOND NATIONAL COMMUNICATIONS EXERCISE</p> <p>NAPAS</p> | <p>PIGGAREP-GEF/UNDP</p>   | <p>PI-GCOS</p> <p>LINKSTO WEBSITES</p> <p>PEIN</p> <p>MATERIALS</p> <p>MEAS</p> <p>ROUNDTABLE PROCESS</p>         | <p>REGIONAL STRATEGY TO ELIMINATE ODS IMPLEMENTED</p> |



## 15th SPREP Meeting Decisions Papeete, Tahiti, 13-17 Sept, 2004

- Meeting endorsed the approach taken by the Sect to address GHG mitigation and adaptation measures
- Endorsed the approach taken by the Sect to assist countries with 2NCs
- Strongly encouraged participating countries to approve ODS regs
- Noted the recommendation of the AHWG
- Requested PIREP to collaborate with SOPAC in the implementation of Phase II





# SPREP ROLE



## INTERNATIONAL

- Issue papers, meeting coordination, technical and legal advice, mobilise resources

## REGIONAL

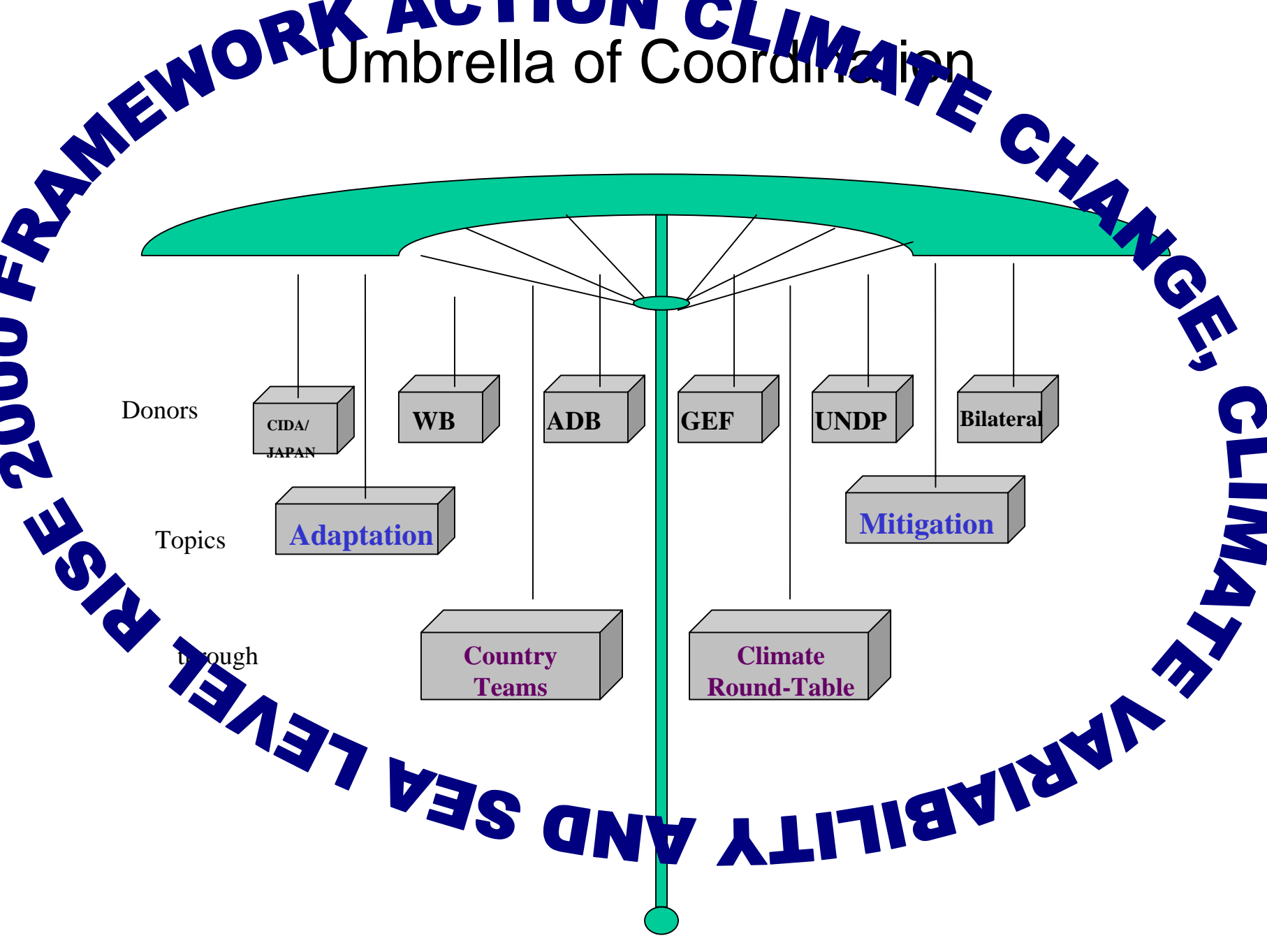
- Coordination regional projects, partnerships, funds for workshops

## NATIONAL

- Assist countries conventional obligations PICCAP
- Training and capacity building

## LOCAL COMMUNITIES

- Canadian project





# Roundtable Objectives

- Review June 2005
- Country involvement
- Strategic focus
- Prioritization PACC
- Programmatic in nature
- Avoid overlap in activities
- Clear idea of area of work
- Sustainability not an add on event
- Partnerships



## Pacific Island Global Observation System

- *"the U.S. would provide resources to help build climate observation systems in developing countries throughout the world, and call upon other developed countries to provide matching funds for such an investment."*



## U.S. GCOS Funding – FY03

- **Atmospheric Brown Cloud (ABC) Observatories - \$1500K**
- **Upgrade of High-Priority GUAN Sites - \$1000K \***
- **Radiosonde Supply for GUAN Sites - \$ 600K \***
- **Upgrade of Selected Priority GSN Sites - \$ 250K \***
- **Upgrade of Selected GAW Site Components - \$ 250K \***
- **Data Management Support at NCDC - \$ 220K**
- **Full-Time GCOS Implementation Manager - \$ 120K \***
- **Documentation and Training - \$ 34K \***
- **PI-GCOS Programme Officer - \$ 160K**
- **PEAC Support - \$ 25K**
- **APN Data Management Workshop - \$ 15K**

**\* Temporary Hold on Funds due to matching concerns**

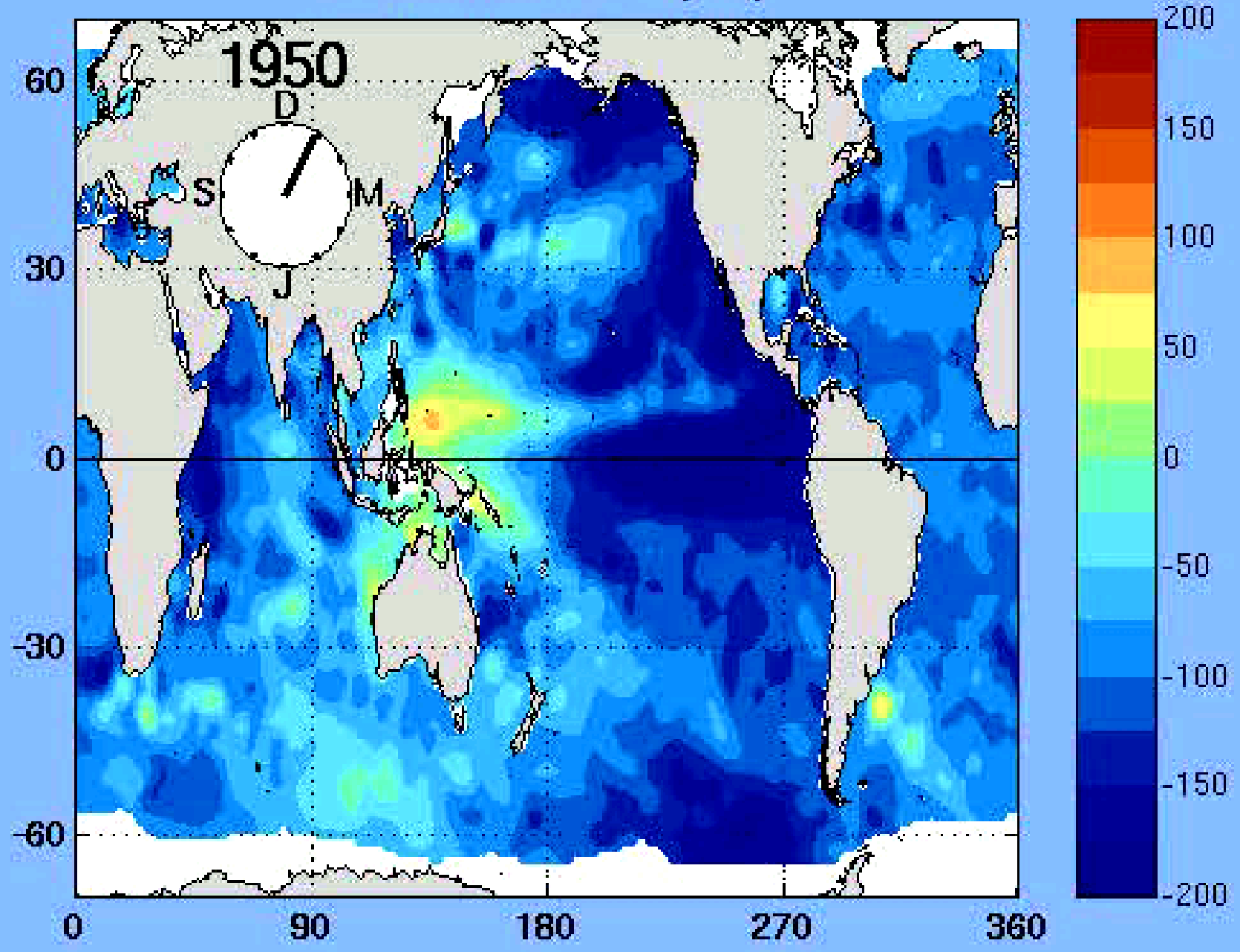
**CCRI - \$3974K; US GCOS Program Office - \$200K. [\$4174K]**



## IMPACTS

- Met Data saved
- Cyclone prediction enhanced through provision of equipment and partnerships
- Maintenance operational systems
- Public awareness improved
- Graduates trained in vulnerability assessment

# Reconstructed SSH (mm)



# PROGRESS IN DONOR FINANCING

## Estimated Funding Commitments in Adaptation/Risk Management Projects (1999-2008)

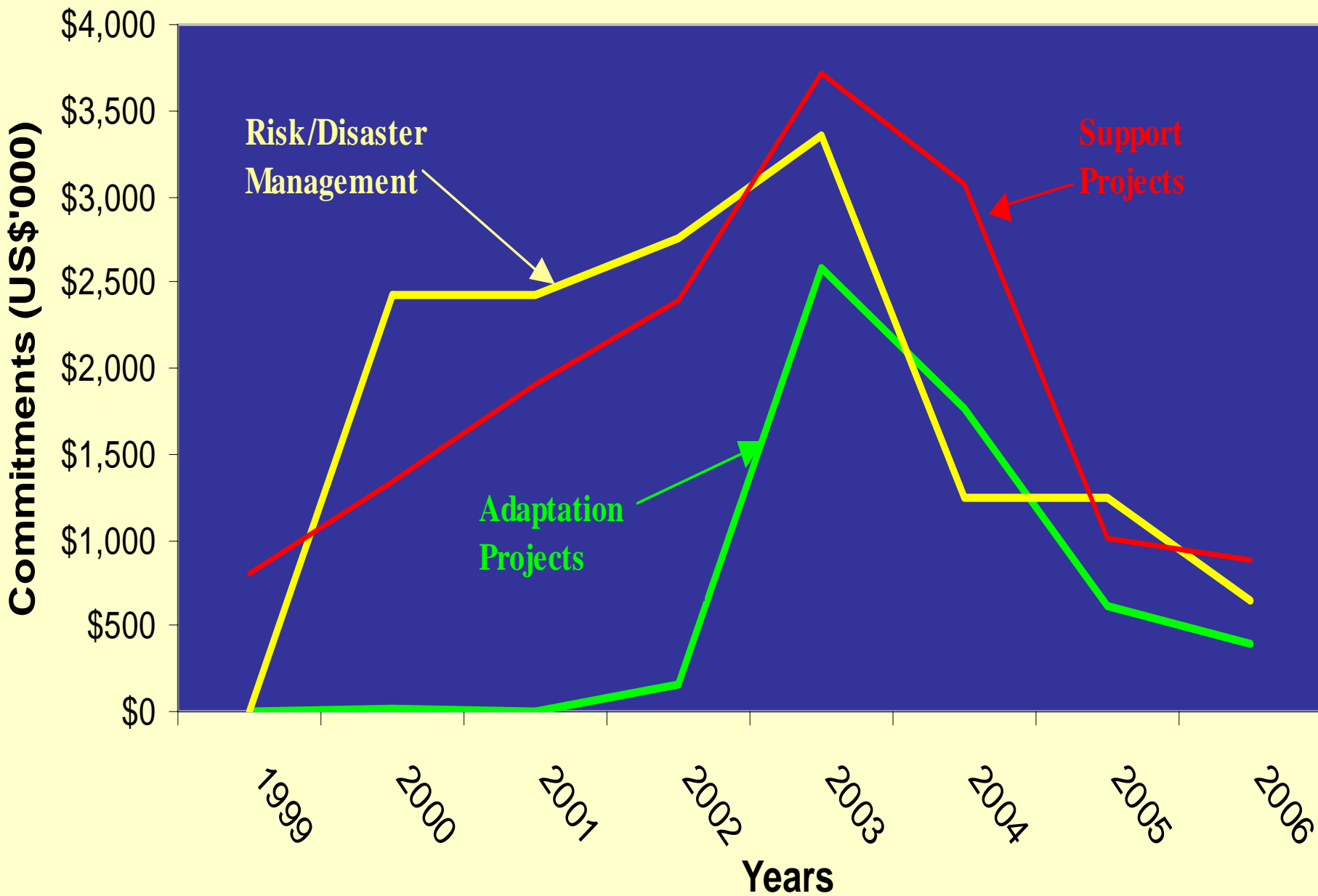
| <i>Type of Projects</i>         | <i>No. Projects</i> | <i>Total Amount<br/>Committed<br/>(US\$'000)</i> | <i>Amount per Year (US\$'000)</i> |              |              |              |              |              |              |              |              |             |
|---------------------------------|---------------------|--|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
|                                 |                     |  | <i>1999</i>                       | <i>2000</i>  | <i>2001</i>  | <i>2002</i>  | <i>2003</i>  | <i>2004</i>  | <i>2005</i>  | <i>2006</i>  | <i>2007</i>  | <i>2008</i> |
| Adaptation                      | 9                   | 6,309  | 0                                 | 13           | 0            | 164          | 2,585        | 1,758        | 608          | 394          | 394          | 394         |
| Risk/Disaster Management        | 8                   | 14,761   | 0                                 | 2,421        | 2,430        | 2,762        | 3,348        | 1,250        | 1,250        | 650          | 650          | 0           |
| Support Activities <sup>1</sup> | 28                  | 20,953   | 800                               | 1,345        | 1,906        | 2,391        | 3,717        | 3,064        | 1,005        | 881          | 81           | 81          |
| <b>Total</b>                    | <b>45</b>           | <b>42,024</b>                                    | <b>800</b>                        | <b>3,779</b> | <b>4,336</b> | <b>5,317</b> | <b>9,649</b> | <b>6,071</b> | <b>2,862</b> | <b>1,926</b> | <b>1,126</b> | <b>476</b>  |

*1 - Support activities include capacity building, research, monitoring).*

Source: Climate Change Roundtable 2002



# Total Commitments for Adaptation/Risk Management Projects





# PACIFIC ISLANDS RENEWABLE ENERGY PROJECT - PIREP

A collaboration between SPREP, GEF, UNDP, CROP Agencies and the PICs





## Goal

- To prepare a regional GEF Full Size Project (budget of more than US\$1 million) for the removal of the barriers to the mitigation of GHG through the utilization of feasible renewable energy technologies



# Activities

- renewable energy assessments in 15 PICs to identify the barriers and removal
- studies on the business of RE, financing mechanisms and technical support programme for RE development
- Use the findings from the above studies, through consensus building and consultation workshops, to design the regional GEF Full Size Project



# Progress

- A RE assessment report for each PIC being finalized publication (latest data, information PICs energy sector)
- Drafts of business angle, financing mechanisms and technical support programme reports finalized for publication
- Completed Full Size Project design consensus building workshop
- Design/consultations on Full Size Project proposal underway
- Draft Full Size Project proposal circulated October for comments/further inputs



# HIGH LEVEL SUPPORT

- **Smooth transition from PIREP 1 to PIREP 2**
  - SPREP will circulate full project proposal October for further inputs (national/regional)
  - SPREP to submit proposal in time for the Feb 2005 meeting of GEF Council
  - Project management structure PIREP 1 maintained
- **Support from all GEF National Focal Points**
  - Need timely receipts of letters of support for PIREP 2 before Xmas to meet the February 2005 deadlines for the GEF Council meeting



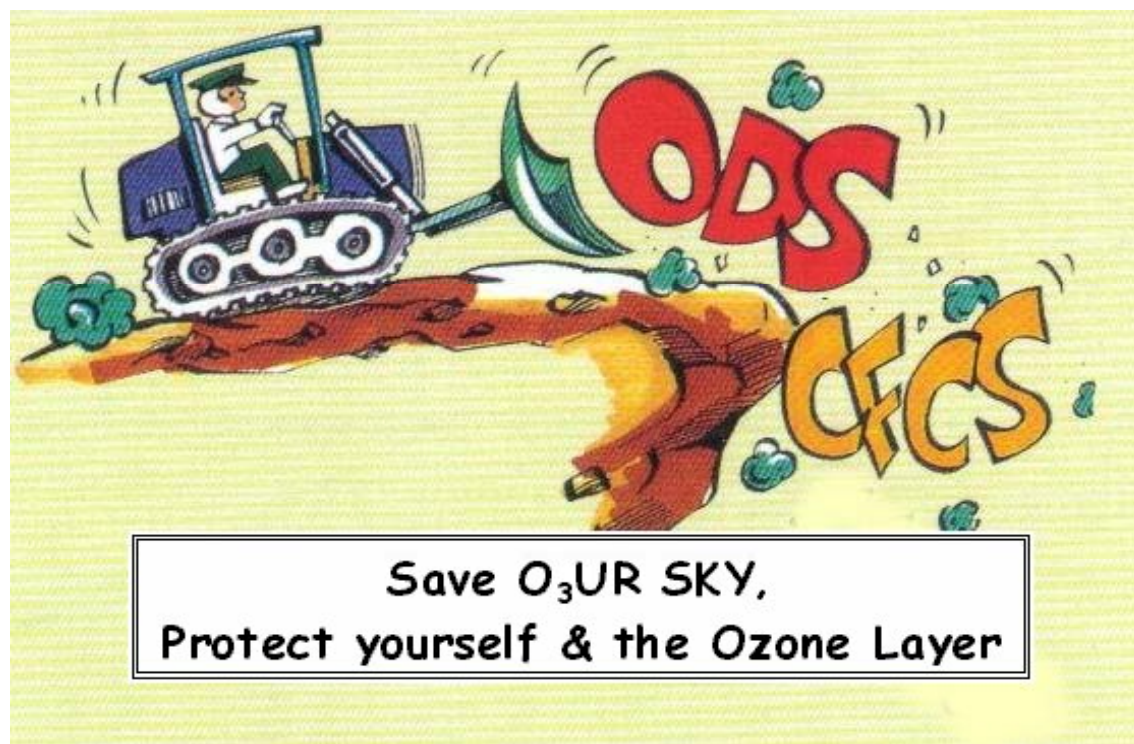
## GEF funding for PIREP 2 will depend on co-financing support:

- Need cash contributions
- Links to other parallel bi-lateral projects like the EU's renewable energy assistance to Palau, FSM, RMI, Nauru and Niue, the NZAID solar photovoltaic project in Tonga, renewable energy investments of the Fiji Electricity Authority, etc
- Include national budgets to GHG mitigation through renewable energy activities
- **Co-financing activities will still maintain their management independence but share reports and be part of the PIREP 2 management committee**



## Overview – Regional Strategy to Implement the Montreal Protocol in Pacific Island Countries

A close collaboration between SPREP, UNEP DTIE, UNEP ROAP, and the Government of Australia, NZ And GTZ







# Goal

To phase-out the use of chlorofluorocarbons (CFCs) from PICs by year 2005



# Activities

- Strengthen National Compliance Centres
- Training progs (refrigeration technicians on Good Practices in Refrigeration, customs officers on control of ODS imports)
- Est national controls on ODS (regulations)



# 2 NATIONAL COMMUNICATIONS

- TOR
- MOU SPREP AND COUNTRY
- SPREP- SUBCONTRACT
- FULL PROJECT PROPOSAL
- FACTOR IN REGIONAL COMPONENT
- WHEN GEF APPROVES RETAIN EXPERT

# FAAFETAI

