

Climate Roundtable - Matrix of Projects World Bank

World Bank: Completed or Under Completion Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria by Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	<ol style="list-style-type: none"> 1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring + Review
1. Climate Change Study under Regional Economic Report 2000 "Cities, Seas and Storms"	World Bank (under Australian, NZ, Norwegian Dutch trust funds and partnership funds from IGCI, SPREP)	<ul style="list-style-type: none"> • Development of Pacific Islands Climate Change Integrated Model, PACCLIM • Scenario modeling for climate change, variability • Assessment of sectoral impacts (water, coastal, agricultural, health, fisheries) • Economic valuation of incremental impact of CC • Adaptation options two case studies, Viti Levu (Fiji) and Tarawa (Kiribati) 	US\$0.350 M	2000	Fiji Kiribati	Partners <ul style="list-style-type: none"> • IGCI • SPREP/PICC AP • SOPAC • SPC • 'USP • 'CICERO • STRATUS • Others 	A, S	2C, 3A, 3B
2. Coastal Infrastructure Management Component of Samoa Infrastructure Asset Management Project I	World Bank (IDA)	<ul style="list-style-type: none"> • Coastal hazard zone mapping • Participatory coastal infrastructure management strategy • Preparation of coastal infrastructure management plans • Guidelines for coastal protection and beach replenishment • Coastal protection 	US\$2.300 M	1999-mid 2004	Samoa	Government of Samoa- Department of Lands, Survey and Environment	A, S	2B, 4A, 4B, 5B, 5C

3 Pacific Adaptation Program	World Bank (with funding assistance from Australia Pacific Facility)	<ul style="list-style-type: none"> • Leveraging Adaptation funding for Pacific Island countries • High Level Adaptation Consultations • Mainstreaming • Dialogue on regional adaptation financing 	US\$290,000	2002-June 2004	Regional	World Bank, SPREP, SOPAC, USP, ADB, AusAid, NZODA, UNDP, UNEP, NGOs, Others	A, S	4A, 5C
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World Bank: On-Going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria by Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	<ol style="list-style-type: none"> 1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring + Review
1. Emergency and Risk Management Capacity Building Component under the Tonga Cyclone Emergency Recovery and Management Project	World Bank (IDA)	<ul style="list-style-type: none"> • Strengthening emergency and risk management processes • Capacity building, training risk management for natural hazards and climate change • Awareness raising • Land and spatial information system for emergency programs • Improvements of building standards 	US\$1.80 M	2002-2005	Tonga	Project Coordinating Committee chaired by Secretary of Finance, including Ministry of Works, Lands, Survey and Natural Resources, Central Planning, National Disaster Management Office and Va'vau Disaster Management Committee.	A, S	1A, 1C, 2B, 4B, 5B, 5C
2. Kiribati Adaptation Project Preparation Phase (KAP I)	World Bank (through Japanese climate change funds)	<ul style="list-style-type: none"> - Mainstreaming adaptation into national economic planning • National Consultation • Awareness • Capacity building in risk management (through CHARM) • Economic, social and sectoral adaptation assessments 	US\$0. 640 M SOPAC: US\$80,000	Phase I: 2002-2005	Kiribati	<u>Gov. of Kiribati</u> Executed by Ministry of Finance and Economic Development, coordinated by Secretary to the Cabinet (Office of the President); Inter-Sectoral Steering Committee	A, S	1A, 3B, 4B, 5C

3. Risk Management Component under Samoa Infrastructure Asset Management Project II	World Bank (IDA)	<ul style="list-style-type: none"> • Risk management • Strengthened national emergency management • Coastal risk management plans (28 districts) • Risk reduction pilots • GIS 	US\$2.0 million	2003-2007	Samoa	Ministry of Finance; Ministry of Works; and Ministry of Natural Resources and Environment	A, S	3, 4, 5, 6
4. Risk Management Components of Cyclone Emergency Recovery Project	World Bank (IDA Credit and IDA Grant for Natural Disasters)	<ul style="list-style-type: none"> • Upgrading of infrastructure to cyclone and flood risk standards • Strengthening natural resilience of coastline; • Small grants for community-based resilience 	Ca. US\$4.1 million (of which US\$2.4 M grant)		Samoa	Ministry of Finance; Ministry of Works; Ministry of Natural Resources and Environment	A, S	3,4

World Bank: Planned Projects (in Pipeline)

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria by Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	<ol style="list-style-type: none"> 1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring + Review
1. Kiribati Adaptation Program – Pilot Implementation Phase (KAP II)	GEF Strategic Program on Adaptation Japanese Grant for Climate Change (through World Bank)	<ul style="list-style-type: none"> • Priority national adaptation investments (mainstreamed into Ministries Operational Plans and budgets) • Pilot Island Adaptation – community pilots in 2 representative outer islands • National consultation and economic mainstreaming (including awareness) • Program management and capacity building 	US\$1.64 M GEF US\$0.68 M Japanese Grant for Climate Change US\$0.86 M Government	2005-2008	Kiribati	Executing Agency: Ministry of Finance and Economic Development; Coordinating Agency: Office of the President; Miscellaneous Implementing Agencies	A, S	1, 3, 4, 6
2. Kiribati Adaptation Program – Expansion Phase (KAP III)	GEF/UNFCC Special Climate Change and LDC Fund	<ul style="list-style-type: none"> • Expansion of adaptation pilots to all key islands and sectors in Kiribati 	TBD	2009-2015	Kiribati	Expected to be as above	A, S	3, 4, 6, 7
3. Pacific Risk Management and Adaptation Policy	World Bank Australia Pacific Facility	<ul style="list-style-type: none"> • Desk review of lessons learned and strategic directions in adaptation and disaster risk management in Pacific Island region 	US\$90,000 (committed) US\$250,000 (requested)	Mid-2004 to end-2005	Pacific Island Region	World Bank with 'think tank' of regional experts	A, S	5,7

**Climate Rountable: Matrix of Projects
UNDP-SIDSnet**

On-going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
7. SIDSNET Regional Component for Pacific	GEF – UNDP	Information Technology and Training	150,000+	2002 – 5	Regional	SPREP		1A, 1D

Climate Rountable: Matrix of Projects USP

On-going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Commun ity pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	<ol style="list-style-type: none"> 1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
Investigating rates of floodplain sediment accretion in tropical Pacific island river basins	USP - \$30,000 University of Guelph – \$20,000	Team comprising of Dr James Terry (Geography), Dr Sitaram Garimella (Physics) and R. Costachuk (University of Guelph) visited river plains in Samoa and Fiji, brought back samples which revealed floodplain accretion over the past 40 years		2002 - Ongoing	Fiji and Samoa	USP Geography Department, in collaboration with USP Physics Department, University of Guelph in Canada and Fiji's Public Works Department (PWD)	A, S	2, 3, 7
The impact of tropical cyclones on river flows, morphology and sedimentation in Fiji	USP - \$16,000 University of Guelph – \$22,000			Ongoing	Fiji	Dr James Terry from USP Geography Department, in collaboration with the University of Guelph in Canada and Fiji's PWD	A	2, 3, 7
Comparison of typhoons (North West Pacific) and tropical Cyclones (South West Pacific) –	Research Center for the Pacific Islands, Kagoshima University,			Ongoing		Dr James Terry from USP Geography Department	A	2, 3, 4

formation, characteristics, behaviour and effects on island environments	Japan - \$15,000							
Effects of tropical Cyclone Gavin on the physical environment of the Fiji Islands	University Research Committee, USP			1997 - 2000	Fiji	Dr James Terry from USP Geography Department	A	2, 3, 4
New techniques for Community based conservation work Conservation in the Sovi Basin	IAS			2003		Environment Unit, Institute of Applied Sciences (IAS), USP		
Water quality assessments Water Wastage Study	JICA		\$33,071	Ongoing 2003	Marshall Islands, Fiji Fiji	IAS conducting for Fiji, Marshall Islands IAS		
Integrated Coastal Management (ICM)	University of Rhode Island in US, IAS, and Pacific Centre for Environment and Sustainable Development (PACE-SD)	Integrated Coastal management in the Pacific region		ongoing		IAS, University of Rhode Island, PACE-SD		
PABITRA - Pacific Biodiversity Transect to develop and study biodiversity transects - also, workshop and training conducted in Samoa in				ongoing	Fiji	IAS in collaboration with scientists from Hawaii and Japan		

November, 2003								
Description and distribution of the critically threatened seasonal coastal dry forest system on Fiji's large islands. -working with landowners				ongoing	Fiji	IAS		
Nutrient levels of nitrates and phosphates which are potentially dangerous to coral reefs - high levels detected near hotel sites				2003	Research carried out on sea and river water around the coral coast of Fiji	IAS		
Third Regional Climate Change Roundtable meeting		PACE-SD worked closely with SOPAC to organise this meeting which brought together regional stakeholders. A report of the Framework of activities is provided basis for further discussions.		2003	Participation from stakeholders in South Pacific Countries	PACE-SD at USP and SOPAC		
IDRC-UNDP (Collaborative Local Capacity Building Approaches to Bridging the Learning Divide in SIDS) project	IDRC Research Award, UNDP	Assessments reports have been developed by Pacific Centre for Environment and Sustainable Development (PACE-SD) , in cooperation with the staff of USP's Distance and Flexible Learning Support Centre (DFLSC)	\$25,000	2003 - ongoing	12 USP member countries	PACE-SD at USP, University of Philippines, University of West Indies, Counterpart Caribbean, Ghana Institute of Management and Public Administration, UNDP		

AIACC Research Programme (Assessment of Impact and Adaptation to Climate Change) on Integrated Methods and Models for Assessing Coastal Vulnerability and Adaptation to Climate Change in Pacific Island Countries	Global Environment Facility (GEF), through START and TWAS	Fieldwork in two research sites in Fiji, and one research site in Cook Islands. Data has been compiled and work is progressing to develop integrated climate model. A stakeholders workshop was held in May, 2004	\$500,000 for three years	2001 - ongoing	Fiji, Cook Islands	PACE-SD, USP Geography Department and the International Global Change Institute (IGCI) of the Waikato University	A, O, S	3
USP - NASA/NOAA Ozone Project	USP/ NASA/ NOAA	Data for ground based ozonesonde measurements of the vertical profile of ozone, has been collected since 2002 by postgraduate student	\$50,000/year	1997 - ongoing	Fiji	PACE-SD, and the USP's Chemistry Department		
USP-NIWA NZ Greenhouse Gas project	USP, NIWA	Project has grown and developed the in-house capacity of the USP chemistry department for measuring ambient methane concentrations. Project is gaining from postgraduate research	\$30,000/year	1994 - ongoing	Fiji	PACE-SD and USP's Department of Chemistry		
Pacific Island Training Institute on Climate and Extreme Events	Asia-Pacific Network for Global Change Research (APN) and the US National Oceanic	Training to enhance the capacity of Pacific Islands to understand, anticipate and effectively respond to consequences of current and future patterns of climate	USD\$50,000	2003-2005	Participants from the South Pacific region	PACE-SD, NIWA and EWC	A, O, S	1, 3, 4, 7

	and Atmospheric Administration	variability and climate-related extreme events such as droughts, floods and tropical cyclones						
Ozone and Methane Project	NASA	Monitoring levels of atmospheric ozone and methane	US\$35,000	Ongoing	Fiji	Professor Koshy Kanayathu from PACE-SD and USP Chemistry Department		2B
El Nino and Sugar Project	START/N OAA	Examines meteorological data from Fiji MET service and sugar production information from the Fiji Sugar Corporation, to help determine the relationship between climate and variability and agricultural production.	US\$36,000	2001 - 2002	Fiji	Professor Koshy Kanayathu from PACE-SD and USP		3A
Climate Change Vulnerability and Adaptation Assessment Training – Postgraduate course	Global Environment Facility (GEF), Japan, USP	Training to improve the understanding of the science and signs of climate variability and change, and to enhance regional capacity to carry out national assessments of climate change impacts, adaptation and vulnerability	\$125,000	1999 - ongoing	Regional participation at USP	Professor Koshy Kanayathu from PACE-SD and USP		1A
Investigating last Interglacial sea-level changes around the Niue	USP		\$6,300	2004 - ongoing	Niue island (in Central Pacific)	Professor Patrick Nunn, USP Geography Department	O, S	2, 3

Island								
Alluvial charcoal in Tuva River Valley (and others nearby)	USP		\$6,000	2004 – ongoing	Southwest Viti Levu island, Fiji	Professor Patrick Nunn, USP Geography Department		2
Alluvial Charcoal in the Sigatoka Valley			\$2,800	2001-2003	Viti Levu Island, Fiji			2
Reconnaissance investigations of Lapita-age settlement sites and environmental change on Makogai and Yadua Islands	USP		\$8,000	2002 - ongoing	Central Fiji	Professor Patrick Nunn, USP Geography Department	A	2, 3
Mapping Vanished Islands in Fiji and Vanuatu	USP		\$2,400	2002 - ongoing	Fiji and Vanuatu	Professor Patrick Nunn, USP Geography Department	O, S	3
Early Human Settlement and environmental change on Moturiki and Ovalau Islands	USP		\$12,000	2002 - 2004	Fiji	Professor Patrick Nunn of USP Geography Department, with assistance from postgraduate students	A	2, 3
Environmental and Geological Significance of Pacific Islands Myths	USP		\$3,500	2001 - ongoing		Professor Patrick Nunn, USP Geography Department		2
Environmental Change, early human settlement, and associated oral traditions: Qamea and nearby islands, northeast Fiji	USP		\$15,000	2001 - 2004	Northeast Fiji	Professor Patrick Nunn, USP Geography Department	A	3
Sampling and Mapping of late Quaternary reefs	USP		\$3,500	2000 - 2002	Viti Levu Island, Fiji	Professor Patrick Nunn, USP Geography Department	O	2, 3
Atoll Coral Reef Ethnobiobiodiversit	Total Foundation	Comparative research, focusing		Ongoing	Kiribati, Tuvalu,	Professor Randy Thaman from USP		

y Project	(France)	on recording and analysing traditional knowledge of coral reef biodiversity.			Tuamoto Archipelago of French Polynesia	Geography Department in collaboration with USP Centres in Kiribati and Tuvalu and University of French Polynesia and Institute of Research and Development in Tahiti		
Management of indigenous vegetable germplasm for food security, nutritional status, and livelihood of vulnerable groups in the South Pacific	SPC	Transfer of germplasm duplicate collection from SPC to School of Agriculture. Transfer of taro consignments had already happened and of other crops, such as yams, sweet potato, maize, cassava, etc, will follow.		2003 - ongoing		Establishment of a Regional Germplasm Collection Centre at the Tissue Culture Unit, School of Agriculture, USP	A	3, 4
Development of Integrated Approaches for Sustainable Crop Production in Environmentally Constrained Systems in the South Pacific region (CROPPRO)	EU	Collection of data from the Papaseea Watershed on the Upolu Island, Samoa. Data analyses, report writing and evaluation to take place before the end of 2004				School of Agriculture, USP	A	3, 4
Institutional Capacity Building on Renewable Energy Training in Pacific Island Developing States (PIDS): Pilot Training on Wind Energy Conversion Systems (WECS)	USP and UNESCAP	Training on renewable energy sources, sustainable energy policies. Participants were introduced to how power is generated from the wind, components of wind turbine and the physical	\$35,000	29 March to 2 April, 2004	Participants from Fiji, Cook Islands, Samoa, Solomon Islands, Tonga and Vanuatu.	Workshop was facilitated by staff from USP's Department of Physics and SOPAC	A, E	1, 4

		theoretical and technical aspects of Wind Energy Conversion Systems (WECS)						
Mobile Renewable Energy Demonstration System	Pacific Forum Partnership and Pacific Islands Development	A proposal for further work on the project has been developed by a graduate student		2003 - ongoing	Fiji	USP Physics Department	A, E	1
Capacity Building for Wind Power Project	DANIDA and UNEP	A post-graduate course on wind energy is being offered by the USP Physics Department for the first time.. French Embassy grant has enabled purchase of a 20kW wind turbine from Vergnet Pacific. This has been installed near the Fiji Mineral Resources Division Headquarters at Mead Road, Suva.		2001 - Onwards	Fiji	SOPAC, USP Physics Department, UNEP	A, E	1, 4
Substitution of coconut fuel in diesel	USP	Studying technical and socio-economic implications of using bio-fuel in rural communities	tbd		Rotuma- Fiji	USP Physics Department		4A
SERREAD Project (<i>Scientific Educational Resources and Experience Associated with the Deployment of Argo</i>)	USP Department s of Physics and Marine Science, IOI-Pacific Islands, SOPAC, IOC-Perth office NIWA,	Educational programme to generate awareness and understanding of Pacific island students of the role of the ocean in the climate system.	US\$20,000/year	ongoing	regional	Dr. Than Aung, USP Physics Department		1C

	UNESCO Office Apia, NOAA, ARGO Science Team and POGO							
Pacific Islands Community- based Conservation Course	SPREP, DIFD		tbd	2001-2002	Regional participation	USP		1A
Integrated Coastal Management Workshop	Packard Foundation		TBD	April 2002	Fiji	USP, University of Rhode Island		1A

Climate Rountable: Matrix of Projects
AusAID

On-going Projects

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Name of Project	Financing donor	<ul style="list-style-type: none"> Community pilots Capacity building Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
20. Sea Level and Climate Monitoring	AusAID	<ul style="list-style-type: none"> Monitoring and analysing sea level rise and other climate information Public Awareness Capacity Building 	Total of 3 phases US\$12 m	1991-2006	Regional	AMSAT (Australian Consortium)		2B
21. Vulnerability and Adaptation Initiative	AusAID	<ul style="list-style-type: none"> Community Pilots Capacity Building (Funds not yet specifically allocated) 	US\$2 m	2002-2008	Regional	tba		1A, 4B
22. Meteorology - Enhanced Climate Reduction (pipeline)	AusAID	<ul style="list-style-type: none"> Capacity Building Information/Public Awareness 	\$0.75 m	2002-2004	Regional	tba		1B, 1C

**Climate Rountable: Matrix of Projects
UNDP-GEF**

On-going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> Community pilots Capacity building Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
24. Pacific Islands Renewable Energy Project	GEF UNDP PIC Govts.	<ul style="list-style-type: none"> RE Barrier Assessments RE Barrier removal Intervention design Development of comprehensive RE development and application project PIREP II 	US\$811	2002-2004	14 PICs	SPREP		3B, 3C

Proposed Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> Community pilots Capacity building 		2002-2005	Country where project is active. If regional, state	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science

		<ul style="list-style-type: none"> • Etc. 			“regional”		S = Sea-level Rise	6. Institutional 7. Monitoring+Review
25. Pacific Adaptation to Climate Change Project	GEF UNDP PIC Govts.	TBD during LFA Exercise in August	\$5 million (14 countries)	2003-2006	14 PICs			TBD
26. National Adaptation Programme of Action	GEF UNDP	<ul style="list-style-type: none"> • Review prelim V&A assessments • Pro-utilisation of _____ • Identification of Adaptation Projects • Prepration of NAPA 	\$200K per country	2002-2004	5 LDCS (Kiribati, Samoa, Solomon Is., Tuvalu, Vanuatu)	National and regionally implemented activities		3A, 5B
27. National Capacity Self Assessment	GEF UNDP	<ul style="list-style-type: none"> • Evaluation of CC issues including Adaptation as it cross cuts w/Biodiversity and land degradation 	\$200K per country	2002-2004	14 PICs	National		1A

**Climate Rountable: Matrix of Projects
SPREP**

On-Going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Priority for Action?</i>
26.CBDAMPIC – Capacity Building. To develop Adaptation Measures in Pacific Island Countries	CIDA	Community Pilots Capacity Building	1.3 million	2002-2004	Cook Is., Fiji , Samoa & Vanuatu	SPREP & National Govts.	1A, 1B, 3A, 4B, 5B
27. Pacific Islands Renewable Energy Project	GEF UNDP PIC Govts.	<ul style="list-style-type: none"> • RE Barrier Assessments • RE Barrier removal Intervention design • Development of comprehensive RE development and application project PIREP II 	US\$811	2002-2004	14 PICs	SPREP	3B, 3C
28. Pacific Island Global Climate Observation Systems	NOAA	Capacity Building	350,000	2002-2005	All PICTs	SPREP	1, 2,3,4,5,6,7
29. ODS-Ozone Depleting Substance	MLFS via UNEP	<ul style="list-style-type: none"> • Compliance Reporting • Phase-out of CFCs by year 2005 • ODS data reporting to Ozone Secretariat 	US\$0.788 M	2002 - 2005	<ul style="list-style-type: none"> • Kiribati • FSM • Marshall Islands • Palau • Tonga • Tuvalu • Solomon Islands • Vanuatu 	SPREP and National Governments	1A, 5C

30. Pacific Regional Climate Bulletin	Government of Italy, & NZAid	Publication of the "Island Climate Update" ¹	100,000	2001	Regional		1A, 1D
31. Regional Meeting of Meteorological Service Directors (RMSD).	Australian Bureau of Meteorology, WMO, and US NOAA NWS	. RMSD meeting ²	80,000	2001	Regional	SPREP, National Institute of Water and Atmospheric Research (NIWA). SPREP/WMO	1A, 2C
32. SIDSNET Regional Component for Pacific	GEF – UNDP	Information Technology and Training	US\$150,000+	2002 – 2005	Regional	SPREP	1A, 1D
33. Negotiations Support	UK DFID, Australia, New Zealand, Forum Secretariat, WWF	Capacity Building	80,000	2004	Regional	SPREP	1A
34. Climate Change Website	SPREP	Capacity Building	5,000.00	2004	Regional	SPREP	1A

Climate Roundtable - Matrix of Projects

SPREP - Proposed Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Priority for Action?</i>
35. Pacific Adaptation to Climate Change Project	GEF UNDP PIC Govts.	TBD during LFA Exercise in August	\$5 million (14 countries)	2003-2006	14 PICs		TBD
36. Vulnerability and Adaptation Initiative	AusAID	<ul style="list-style-type: none"> • Community Pilots • Capacity Building (Funds not yet specifically allocated) 	US\$2 M	2002-2008	Regional	tba	1A, 4B

¹ Funds available on annual basis – no long-term (3-5 years) commitment from donors.

² SPREP/WMO seek for every year to convene the meeting – no long-term (3-5 years) commitment from donors.

37. National Capacity Self Assessment	GEF UNDP	<ul style="list-style-type: none"> Evaluation of CC issues including Adaptation as it cross cuts w/Biodiversity and land degradation 	\$200K per country	2002-2004	14 PICs	National	1A
38. Pacific Islands Greenhouse Gas Abatement through Renewable Energy Programme	GEF UNDP	<ul style="list-style-type: none"> Response 	5,000,000	2006-2010	14 PICs and Tokelau	PICs and Tokelau	7
39. Second National Communications Support to Countries	FICs	<ul style="list-style-type: none"> Monitoring and Review 	800,000	2004-2007	14 PICs	PICs	7
40. Removal of ODS from Pacific Island Countries [using the format of the POPs in PICs project	AUSAID	<ul style="list-style-type: none"> Response 	8,000,000	2005-2009	13 PICs	PICs	7
41. CDM Feasibility Study	Japan	<ul style="list-style-type: none"> Research 	70,000	2005	regional	SPREP	2
42. Capacity Building for Negotiations	EU, DFID, Australia, NZ, FORSEC, WWF-SPP	<ul style="list-style-type: none"> Capacity Building 	300,000	2004-2006	regional	SPREP and FICs	1
43. Strengthening Climate Observing Systems	To be determined (TBD)	<ul style="list-style-type: none"> 1.1 Upgrade ground-surface climate observation systems 1.2 Provision of Data Collection Platform(DCP) and Automatic Weather Stations(AWS) 1.3 Marine meteorological and climate data reporting, collection, dissemination and training. 1.4 Training in climate observations. 1.5 Restore and upgrade regional and upper-air climate and meteorological network. 1.6 Provision of high resolution satellite imaging systems. 1.7 Lightning detection systems. 1.8 Radar network 	750,000	5 years	Regional	WMO/SPREP	1A, 2C
<i>The overall objective of this project is to achieve improved, nationally and regionally integrated and mutually complementary networks of observations to support the provision of weather and climate services.</i>			3,160,000	2-3 years	Regional	WMO/SPREP	
			530,000	2-3 years	Regional	WMO/SPREP	
			110,000	2 months duration for 5 years	Regional	WMO/SPREP	
			2,600,000	5 years	Regional	WMO/SPREP	
			430,000	4 years	Regional	WMO/SPREP	
			670,000	2-3 years	Regional	WMO/SPREP	
			10,200,000	2-3 years	Regional	WMO/SPREP	

		1.9 Technical maintenance back-up	500,000	6 months per year over a 5 year period	Regional	WMO/SPREP	
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**Climate Roundtable: Matrix of Projects
ADB**

On-going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
33. Climate Change Adaptation Program for the Pacific (CLIMAP)	ADB (with channel financing from the Canadian Government through the ADB Canadian Cooperation Fund on Climate Change)	<ul style="list-style-type: none"> • Capacity Building • Institutional Strengthening • Development Planning and Project Screening for Adaptation (through mainstreaming both at ADB level and country decision making level) 	\$800,000	2002-2004	(i) ADB level: mainstreaming adaptation into country strategy and program, and project preparation. (ii) Country level: Pilot study in FSM and Cook Islands	ADB and FSM/Cook Islands National Governments	A, M, O, S	1A, 1B, 1D, 3A, 4A, 5B, 5C

Climate Rountable: Matrix of Projects SOPAC

On-going Projects

<i>Project/Program</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project/ Program	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
34. Community Risk	UK/ DFID	Strengthening Community Resilience through Applied Community Risk and Vulnerability Analysis Duration: 2 years Status: Almost Complete	USD240, 800	1999-2001	Vanuatu	SOPAC		1A
35. Community Risk Community Lifelines Oceans and Islands	EU	Reducing Vulnerability of Pacific ACP States Duration: 4 years Status: Finance Proposal Completed Mid 2001.	Euros 7,000,000 Plus 2.6M Total=9.6M Euros	1999-2003	Regional	SOPAC		1A, 1B, 1D, 2A, 2B, 3B, 3C
36. Community Lifelines	Taiwan Perez-Guerrero Trust Fund	Pacific Islands Regional Biomass Energy Resource	USD100, 000 (Total budget) Taiwan:	2002-2003	Fiji, Kiribati, Samoa, Tuvalu, Tonga &	SOPAC		1A, 1D, 2A

		Assessment Project Status: Approved/ Commenced Tenders for consultant called.	USD25,000 Perez Guerrero USD34,000		Vanuatu			
37. Community Lifelines	UN Trusteeship Funds Consultant	Energy Demand Side Management Consultancy/ DSM Energy Efficiency Progress = 50%	USD210,000	2002-2004	Regional	SOPAC		1A, 1D, 2A
38. Ocean and Islands	British High Commission - Suva	Coastal Erosion, public awareness initiatives for atoll islands in Kiribati and Tuvalu. Status: Approved – project underway	FJ26,000	June 1999	Regional	SOPAC		1C
39. Oceans and Islands	Taiwan	Ocean Research Co-ordination Project for Pacific Small Island Developing States Duration: 2 years Status: Completed	US100,000	July 1999	Regional	SOPAC		1A, 5C
40.	UNEP/	Regional	USD93,000	2001-2004	Regional	SOPAC		1D, 4C

Community Lifelines	Denmark	Implementation Services – Project “Capacity building on technology and economic integration of wind energy and other relevant renewable energy technologies into the electricity systems of Pacific Island Countries” Duration: 3 years Status: Underway						
41. Oceans and Islands	ADB	Establishing Land Boundaries for harmonizing Land Use (Fiji Only) Duration: 4 months Status: Completed	USD195, 000	August 1999-2002	Regional	SOPAC		
42. Ocean and Islands	Japan	A Co-operative Study Project for the Evaluation of the Reserves including Environmental Assessment for Deep-sea Mineral Resources in selected areas of the SOPAC Region. Duration: 3 years Status:	-----	2002	Regional	SOPAC		

		Approved- Underway						
43. Community Risk	New Zealand Ireland Norway Italy	Environmental Vulnerability Index (EVI) Project Phase III- Development of a robust global environmental vulnerability index. Duration: 2 year Status: Approved	USD604, 307 NZD300, 000 USD50, 000 USD75, 000 USD100, 000	March 2000	Regional	SOPAC		1A, 1B, 3A
44. Oceans and Islands	New Zealand	Extended Continental Shelf Boundary Project Status: Completed	NZD31, 000	June 2000	Regional	SOPAC		
45. Cooperate Services	New Zealand	Virtual Library Project Status: Underway	NZD73, 914	June 2000	Regional	SOPAC		
46. Community Risk	British High Commissi on - Tonga	Communities and assets at risk – Nuku’Alofa Duration: 1 year Status: Underway	FJD20, 000	July 2000	Tonga	SOPAC		2A
48. Community Risk	AusAID New Zealand	Disaster Management Unit- project Design Document Duration: 2 years Status: Underway	AUD500, 000 NZD300, 000	June 2000	Regional	SOPAC		
49. Community Lifelines	AusAid	GIS establishment in the Marshall islands.	USD89, 947	October 2000	Regional	SOPAC		1A

		Status: Underway						
50. Oceans and Islands	Taiwan/ ROC	Strengthening National Policy Framework to support Sustainable Development of Non Living Resources in PICs – Solomon Islands, Vanuatu and Kiribati. Duration: 1 year	USD 125, 000	August 2002	Regional	SOPAC		*
52. Community Risk	British High Commission, Wellington	SOPAC Pacific Cities Database – Apia (Orthophoto and Digital Elevation Model). Status: Underway	AUD11, 250	March 2001	Regional	SOPAC		2A
53. Community Risk	NZODA	Development of a Risk Management Framework for Volcanic Hazards in the South Pacific. Status: Underway	NZD35, 490	January 2001	Regional	SOPAC		3B
54. Community Risk	US Source	Community Based Reduction of Vulnerability to Natural Hazards in the South Pacific	-----	March 2001	Regional	SOPAC		3B

		Nations. Duration: 1-2 years Status: Proposal being developed.						
55. Oceans and Islands	AusAID	Maritime Boundaries Project Duration: 4 years Status: Approved – underway	3, 549, 000	March 2001	Regional	SOPAC		
56. Community Risk	New Zealand	Development of a Regional Improvement Strategy for Disaster/ Risk Information Management Status: Approved-Project Underway	NZD40, 000	August 2001	Regional	SOPAC		3B
58. Ocean and Islands	Comsec	Coastal Erosion on Tongatapu and Atata, Kingdom of Tonga. Status: Approved – completed	FJD38, 415.12	-----	Regional	SOPAC		3B
60. Ocean and Islands	Taiwan/ ROC	Developing an Oceans Resource Management System for Pacific Large Ocean Islands States Duration: 1 year	USD40, 000	June 2001	Regional	SOPAC		

		Status: Approved USD25,000						
61. Community Lifelines	Taiwan/ ROC	Regional Capacity building through Institutional Strengthening to support Sustainable Water Resources Management in Pacific Island Countries. Duration: 2 years Status: Approved USD15,000	USD40,000	June 2001	Regional	SOPAC		
62. Community Lifelines	Taiwan/ ROC	Regional Biomass Resource Assessment as an indicator for Sustainable Energy Development Duration: 2 years Status: Approved USD25,000	USD40,000	June 2001	Regional	SOPAC		
63. Community Risk	Taiwan/ ROC	Building Capacity to insure against Disasters in Pacific Islands Countries. Duration: 2 years Status: Approved USD55,000	USD40,000	June 2001	Regional	SOPAC		1A, 1B
Community Lifelines	GEF	Regional Biomass		2004/5 – 2006/7	Regional	SOPAC	E	1, 2

		Resource Assessment Phase II – 8 PICs						
Community Lifelines	Japan	Feasibility of using copra oil as biofuel			Sub Regional	SOPAC	E	2
Community Lifelines	GEF OPII	Energy efficiency In the transport Sector	\$25, 000	2004-2005	Regional	SOPAC	E	4
Community Lifelines		PIEPSAP	US \$1.6 M	2004/7	Regional	SOPAC	E	1, 5, 6
Ocean and islands	NZ	Deployment of Thton Buoys – monitor Climate ocean parameters	US165 000	2004	Cook Islands	SOPAC	O	Research Mitigation 2
Community Lifelines	Taiwan	Ocean wave resource monitoring -identify potential sites for wave energy installations -commenced in Fiji		2004	Fiji, Cook Islands	SOPAC	O	2
65. Pacific Regional Climate Bulletin: Island Climate Update	NZAID	Publication of the “Island Climate Update”	100,000 NZ\$	2003	Regional	National Institute of Water and Atmospheric Research (NIWA). SPREP	A, M	1, 2, 7
Dialogue on Water and Climate	DWC Dutch Government	Publication of the Synthesis Report on Pacific Dialogue on Water and Climate	120,000 Euro	2002-2003	Regional	SOPAC, DWC, CEHI	A, M	1, 2
Hydrology Training	NZAID	Hydrological training programme incl climate components	110,000 NZ\$	2004	Regional	SOPAC, UNESCO, WMO, NIWA	A, M	1

Leadership Seminar for Pacific Island Water Managers	EW Centre, USDOJ	Developing Disaster Preparedness and Mitigation Plans for Island Water Utilities		2004	Regional	EW Centre, PEAC, SOPAC	A, M	1, 3, 4, 6
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Climate Rountable: Matrix of Projects WMO

On-going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria of Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
65. Pacific Regional Climate Bulletin	Government of Italy, & NZAid	1.1. Publication of the "Island Climate Update" ¹	100,000	2001	Regional	SPREP, National Institute of Water and Atmospheric Research (NIWA). SPREP/WMO		1A, 1D
66. Regional Meeting of Meteorological Service Directors (RMSD).	Australian Bureau of Meteorology, WMO, and US NOAA NWS	2.1. RMSD meeting ²	80,000	2001	Regional			1A, 2C
67. Training in climate observations	WMO & the Government	3.1 Training in climate observations ³	24,000	2002	Regional	WMO & Government of Fiji		1A, 2C
			24,000	2002	Regional	The Government of Fiji through the		1A, 2C

¹ Funds available on annual basis – no long-term (3-5 years) commitment from donors.

² SPREP/WMO seek for every year to convene the meeting – no long-term (3-5 years) commitment from donors.

³ WMO make funds available as per request from the region.

68. Training in support of forecasters	of Fiji	4.1 Training in support of forecasters	10,000	2002	Solomon Islands, Tokelau, and Niue	Meteorological Service		1A, 2C
69. Training in tropical cyclone analysis, forecasting and warnings	JICA and the Government of Fiji WMO & US NOAA NWS	5.1 Training in tropical cyclone analysis, forecasting and warnings.				US NOAA NWS Pacific Region Office in Honolulu, Hawaii Islands		

Proposed Projects

Project	Donor	Activities	Indicative Budget US\$)	Time Frame	Country	To be Implemented by	Criteria by Activity	Priority for Action?
Name of Project	Financing donor	<ul style="list-style-type: none"> Community pilots Capacity building Etc. 		2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, UN agencies, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
70. Strengthening Climate Observing Systems	To be determined (TBD)	1.1 Upgrade ground-surface climate observation systems	750,000	5 years	Regional	WMO/SPREP		1A, 2C
<i>The overall objective of this project is to achieve improved, nationally and regionally integrated and mutually complementary networks of</i>		1.2 Provision of Data Collection Platform(DCP) and Automatic Weather Stations(AWS)	3,160,000	2-3 years	Regional	WMO/SPREP		
		1.3 Marine meteorological and climate data reporting, collection, dissemination and training.	530,000	2-3 years	Regional	WMO/SPREP		
		1.4 Training	110,000	2 months duration for 5 years	Regional	WMO/SPREP		
			2,600,000		Regional	WMO/SPREP		

<p><i>observations to support the provision of weather and climate services.</i></p>		<p>in climate observations. 1.5 Restore and upgrade regional and upperair climate and meteorological network. 1.6 Provision of high resolution satellite imaging systems. 1.7 Lightning detection systems. 1.8 Radar network 1.9 Technical maintenance back-up</p>	<p>430,000 670,000 10,200,000 500,000</p>	<p>5 years 4 years 2-3 years 2-3 years 6 months per year over a 5 year period</p>	<p>Regional Regional Regional Regional</p>	<p>WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP</p>		
<p>71. Strengthening Telecommunication network</p> <p><i>The means of timely collection of raw and processed meteorological, including climate data and products are a necessary prerequisite for the provision of all weather and climate services. In the case of specifically of</i></p>	<p>TBD</p>	<p>1.1. Provision of high frequency radio transceivers for the collection of weather reports from outer-islands. 1.2. Provision of Local Area Network (LAN). 1.3. Provision of Emergency Managers Weather Information Network (EMWIN) receiving terminals.</p>	<p>1,200,000 700,000 650,000</p>		<p>Regional Regional Regional</p>	<p>WMO/SPREP WMO/SPREP WMO/SPREP</p>		<p>1A, 2C</p>

<p><i>severe weather warnings, delays and inaccuracy can result in serious consequences.</i></p>								
<p>72. Improve Severe Weather Warnings</p> <p><i>The objective of the project is to enhance the capacity of Pacific island countries in analysing and interpretation of data and information relating to severe weather events.</i></p>	<p>TBD</p>	<p>a. Human resource development</p> <ul style="list-style-type: none"> • Profession meteorological training • Training of support forecasters • Training in tropical cyclone analysis, forecasting and warnings • Training in the provision of meteorological service to the aviation industry • Public education and awareness on severe weather events • Public awareness on severe weather to small boats operators 	<p>250,000</p> <p>240,000</p> <p>150,000</p> <p>120,000</p> <p>500,000</p> <p>500,000</p> <p>120,000</p>	<p></p> <p>2-weeks workshop over a 3 period</p> <p>2-3 years</p>	<p>Regional</p> <p>Regional</p> <p>Regional</p> <p>Regional</p> <p>Regional</p> <p>Regional</p>	<p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP/SOP AC</p>		<p>1A, 2C</p>

		<p>b. Storm surge prediction models</p> <p>c. High resolution numerical weather forecasts for Pacific island countries</p>	120,000	2-3 years	Regional	WMO/SPREP/SOP AC		
<p><i>d. Climate Data Management, Analysis and Application.</i></p> <p><i>In view of concerns about climate change and variability, availability of useful seasonal and interannual climate prediction and information as most important to agriculture, forestry, fisheries, disaster management and energy sectors.</i></p>	TBD	<p>e. Climate analysis and applications</p> <p>f. Training in climatology.</p> <p>g.</p> <p>h. Pacific Regional Climate Bulletin</p> <p>i.</p> <p>j.</p> <p>k. Expanding and enhancing the prudent use of climate predictions.</p>	<p>100,000</p> <p>250,000</p> <p>300,000</p> <p>620,000</p>	<p>1 month per year over a 3 year period</p> <p>3 years</p> <p>3 years</p> <p>3 years</p>	<p>Regional</p> <p>Regional</p> <p>Regional</p> <p>Regional</p>	<p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p>		1A, 2C, 5C
<p><i>Institutional Strengthening, Including Infrastructure Support</i></p>	TBD	<p>5.1 SPREP Meteorological Officer</p> <p>5.2 Regional meeting of meteorological service Directors</p> <p>5.3 Building infrastructure</p>	<p>360,000</p> <p>320,000</p> <p>6,000,000</p>	6 years	<p>Regional</p> <p>Regional</p> <p>Kiribati, Samoa, Solomon Islands, Tuvalu, Tonga and Vanuatu</p>	<p>SPREP</p> <p>SPREP</p> <p>Individual Government concerned</p> <p>WMO/UNESCO/SO</p>		1A, 2C
1. A	TBD		177,000	3 years				1A, 2C

<p>Programme to Meet Hydrological Training Needs of Small Island Countries in the Pacific</p> <p><i>To provide training to Pacific island countries enabling them to assemble, maintain and supply data and information on water resources.</i></p> <p>m. Hydrological Cycle Observing System for the Pacific Island Countries – Pacific-HYCOS</p> <p><i>To attain a common level of ability (capacity) to assess and monitor the status and trend of water resources and to provide water related information and hazard warnings to support national social and economic development and environment management; and establish</i></p>	TBD	<p>5.4 A Programme to Meet Hydrological Training Needs of Small Island Countries in the Pacific</p> <p>5.5 7.1 Pacific-HYCOS</p>	354,990	3 years	<p>Regional</p> <p>Regional</p>	<p>PAC</p> <p>WMO/UNESCO/SO PAC</p>		1A, 2C
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<i>databases and information archives.</i>								
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**Climate Roundtable: Matrix of Projects
WWF South Pacific**

WWF South Pacific Programme

Project	Donor	Activities	Funding (US \$)	Time Frame	Country	Implemented by	Priority for Action
Beyond Kyoto - Building strength in the South	DGIS	Policy workshop to begin a dialogue on the second commitment period of the Kyoto Protocol. Negotiations training workshop	\$30,000	2003 - 2004	Cook Islands Tuvalu Samoa	WWF SPP	1, 5, 6
Climate Witness	WWF US/WWF Indonesia	Community based vulnerability and adaptation assessments, with development of pilot projects Capacity building for communities for monitoring impacts of climate change on marine ecosystems Sharing of	\$67,000 USD (initial funds for stage 1, 2004)	2004 - ongoing	Community impacts and adaptation site – Kabara, Lau group of Fiji Campaigning activities - global		1, 3, 4

		Climate Witness accounts (impacts stories) for international campaigning purposes					
Awareness raising – for South Pacific countries	DGIS – through WWF NL	Production of Awareness materials (booklets, flyer, website, news letter) for PIC's on CC Capacity building – negotiations training for govts and civil society Awareness raising – outreach work (school and community based audiences)	\$60,000 USD	2003 - 2004	WWF South Pacific Regional		1
South Pacific Climate Policy work	WWF Switzerland	On-going interventions in regional and international climate policy (eg UNFCCC, BPOA, Fiji country team etc) as part of WWF Asia Pacific Climate and Energy programme	On-going – core funding support	2002 - ongoing	Regional	WWF SPP	1, 3, 4, 5, 6

**Climate Rountable: Matrix of Projects
SPC**

On-going Projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria by Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	1. Capacity Building 2. Research 3. Impacts and Vulnerability 4. Response 5. Policy + Science 6. Institutional 7. Monitoring+Review
78. OFCCP GLOBEC	SPC-OFPPFRP-Univ. Hawaii, IATTC, CSIRO	investigate the effect and consequences of climate change on the productivity and distribution of oceanic tuna stocks and fisheries in the Pacific Ocean	<ul style="list-style-type: none"> - self-funded collaborative studies - PFRP (570,000) 	2002-2009	regional	GLOBEC (IGBP) SPC		2C

**Climate Rountable: Matrix of Projects
NZAID**

Current projects/activities

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria by Activity</i>	<i>Priority for Action?</i>
Name of Project	Financing donor	<ul style="list-style-type: none"> • Community pilots • Capacity building • Etc. 	Total budget	2002-2005	Country where project is active. If regional, state "regional"	Implementing agency e.g. SPREP, SOPAC, National Gov.	A = Adaptation M = Mitigation E = Energy O = Oceans S = Sea-level Rise	8. Capacity Building 9. Research 10. Impacts and Vulnerability 11. Response 12. Policy + Science 13. Institutional 14. Monitoring + Review
1. Island Climate Update and Hydrological Training	NZAID	<ul style="list-style-type: none"> • Production of monthly Island Climate Update bulletin • Provision of basic hydrological training at a regional level 	NZ\$216,263	March 03 - June 04, plus planned for extension to Dec 2005	regional	<ul style="list-style-type: none"> • SOPAC, with NIWA 	A	
2. Environmental Vulnerability Index: Completion Phase	NZAID (with others)	<ul style="list-style-type: none"> • Final stage of comprehensive testing • Capacity building workshop in the use, mechanics and applications of the EVI in environmental management and policy making 	NZ\$266,000 (NZAID contribution only)	Dec 03 – Sept 04	regional	SOPAC	M	

NZAID: Planned projects

<i>Project</i>	<i>Donor</i>	<i>Activities</i>	<i>Funding (US\$)</i>	<i>Time Frame</i>	<i>Country</i>	<i>Implemented by</i>	<i>Criteria by Activity</i>	<i>Priority for Action?</i>
1. CLIPAC: "Development and Use of Tailored Climate ad Climate Change Information and Products for the Pacific"	NZAID	<ul style="list-style-type: none"> • develop a suite of climate prediction applications to assist PICs with their national economic development decisions, using a series of global forecasts as a base 	TBC	TBC	regional	SPREP	A, S	

APPENDIX

Pacific Islands Forum Secretariat (ForumSec):

Our activities are mainly to advocate the climate change and sea level issue at the global level and advising our members at international negotiations. ForumSec monitors global developments, vis a vis, ratification and policy decisions made by governments and research by institutions. From time to time we reaffirm and inform the public of the Forum decision and responses to international events regarding climate change through a press statement issued by the Secretary General. We are an Observer at the UNFCCC Conference of the Parties.

ForumSec also brings to the attention of our Chairman and members, through circulars or direct letters, matters related to climate change that may be of interest and we participate in various regional and global forums to advance the common position of the Leaders as stated in their communiqué.

ForumSec attempts to further the cause by developing institutional linkages and by providing support to our officials and leaders during the pre-Forum and Forum. We also assist our members at the Post Forum Dialogue where climate change continues to be a key issue that is discussed with our partners. In the past, ForumSec has also convened workshops for its members and will continue to pursue this avenue.

The Forum Secretariat will advocate the Leaders decision as a key political and regional issue of significance to the member countries.

During 2004, the Forum Secretariat issued a Circular on the “*Status of Ratification*” of the Kyoto Protocol (Source: UNFCCC website) specifically on the Forum member countries and Post-Forum Dialogue partners. The Secretariat has worked closely with USP-PACE, SOPAC and SPREP in coordinating/advising various workshops and training programs, including the convening of the first session of the *Ad-Hoc Working Group* on Climate Change in Suva (June 2004). The Secretariat has also held consultations with officials from the Australian Greenhouse Office in Australia and other member governments, in particular through the annual country visits by the Secretary General. Last year, a Symposium on the *Clean Development Mechanism* was held in Papua New Guinea and in consultation with SPREP, a similar one is planned for Vanuatu in 2004. The Forum Secretariat tabled a report on climate change activities for the Forum Officials Committee in New Zealand in August 2003, and will provide an update for the 2004 Forum in Samoa. (Attached 2004 Forum Communiqué excerpt). The Forum Secretariat also monitors developments at the subsidiary body sessions of the UNFCCC and the conference of the Parties.

Attachment

**2003 Forum Communiqué
Auckland, New Zealand**

ENVIRONMENT AND CONSERVATION

Climate Change, Climate Variability and Sea Level Rise

Leaders noted the strengthening of regional coordination and support to address climate change, climate variability and sea level rise negotiations and affirmed that given the particular vulnerability of Pacific Island Countries to climate change, it was vital:

- for urgent action to be undertaken to reduce greenhouse gas emissions and for there to be further commitments in the future by all major emitters;
- for all nations to commit to a global effort to reduce greenhouse gas emissions and the adverse impacts of climate change, taking into account the special circumstances of small island developing states;
- that Forum members continue to advocate internationally for immediate reductions and limits to greenhouse gas emissions to the atmosphere at levels that will prevent dangerous interference, consistent with the objective of the UN Framework Convention on Climate Change (UNFCCC), and that the Council of Regional Organisations in the Pacific continue to provide support at UNFCCC related meetings;
 - to identify and implement a range of adaptation options, particularly for extreme weather and climate events, which have been given high attention at previous Forums, and for them to be maintained and well funded through various means, including through the Global Environmental Facility; and
 - to continue to be proactive and develop appropriate, affordable, and cost-effective adaptation response measures immediately with support from relevant regional and national institutions.

Leaders also noted:

- that Forum members are taking significant domestic action to mitigate climate change;
- the continuing concerns of those Forum members that have ratified the Kyoto Protocol that it was yet to enter into force and that the Russian ratification would be sufficient to bring it into force;
- that while Australia had not ratified the Kyoto Protocol, it intended to meet its target under the Protocol;
- the Okinawa Initiative in which Pacific Island Forum members that had ratified the Kyoto Protocol, and Japan, strongly urged countries that had not already done so to ratify the protocol in a timely manner.

29. Leaders agreed that both the Vulnerability and Adaptation Pacific Type 2 Initiatives that were launched at the WSSD should be used to seek out partners to address especially climate variability and sea level rise risks and coping options.

30. Leaders stated the need to ensure all relevant aspects of addressing climate change were captured fully in the Ten Year Review of the

Barbados Program of Action (BPOA+10) review process and in the outcomes of the International Meeting to be held in Mauritius, and for initiatives to strengthen the national efforts of Pacific Islands Countries to reduce vulnerability and in particular coping strategies for adaptation to climate change, climate variability and sea level rise.

31. Leaders agreed to establish an Ad-Hoc Working Group, based on the Pacific Climate Change Roundtable with a mandate, inter alia, to review the “Regional Framework on Climate Change, Climate Variability and Sea-Level Rise” and forward its recommendations to the 2004 South Pacific Regional Environment Programme meeting for its consideration.

32. Leaders welcomed the progress made through the South Pacific Sea Level and Climate Monitoring Project with regard to scientific research in establishing Absolute Sea Level Rise and climate variability assessments in addressing the global warming predictions, and the regional effort to promote the widespread utilisation of feasible renewable energy technologies in order to reduce greenhouse gas emissions.

33. Leaders noted the work that had been done in relation to the concept of a regional adaptation financing facility as of July 2003 and the need for further work and direction to advance this concept further.

SUMMARY MATRIX

	Project	Donor	Implementers / Cooperation partner	National / Regional	Gaps	Donor position / roles
I Capacity Building						
A Human resource development (training)	3,5,7,16,17,18,21,22,27,28,30, 33, 34, 35, 36, 37, 39, 43, 49, 63, 65, 66,67, 68,69,70,71,72, 73,74,75,76	WB, UNDP, EU, TAIWAN, NORWAY, IRELAND, SPREP/DFID, AUSAID, CIDA, UK-DFID, UNEP, ADB, ITALY, NZ, AUST, GOF FIJI, NOAA, WWF	SOPAC,GOV,SPREP,USP,SOPAC WWF, WMO	Regional with National Components	Information / awareness of communities / decisions	Lead role – UNDP plus secondary donors

B Institutional strengthening (including analytical capacity)	23,28,33, 35, 43, 63, 79	AUSAID, CIDA,ADB, FORUM SEC, EU, NZ, IRELAND, ITALY, TAIWAN	SPREP, FORUM SEC, SOPAC	Regional for regional institution National for National institution		
C Awareness building / education	3,19,23, 38, 51, 77	WB, UNDP, AUSAID	GOV, SPREP, USP, WWF	Regional with National Components		
D Information sharing at all levels	7,9,33, 33B, 35, 36, 37, 65	NZ, ITALY, ADB	NIWA, FIJI MET	R/N		
II Research, Science and Monitoring					Response oriented research	
A. Data collection	29, 35, 36, 37, 46, 52	USDOE, EU, Taiwan, AusAID, UK	SPREP	R/N		
B. Establishment of baselines and monitoring	2,3,10,12,20, 35	WB, USP, NASA, UK, AusAID	GOV, USP	R/N		
C. Prediction and forecasting	1, 66-76, 78	WB, TBD, SPC, UNI-HAWAII, EU	REGIONAL	R		
III Stage II – Assessment						
A Impact and vulnerability assessment at national and local levels – including risk assessment	1,8,10,11,13, 26,28,33, 43	WB, NOAA, USP, UNEP, NOAA/START, AUSAID UNDP, CIDA, ADB, NZ, IRELAND, ITALY	REGIONAL, FIJI MET, USP, GOV, SPREP, WMO, SOPAC	N	SOCIO-ECONOMIC - Human dimension of impacts – vulnerability and adaptation (economic valuation, human / social capacity to	UNDP sees that it has a role here

					adapt, incentives / drivers)	
B Analysis of adaptation options including socio-economics	1,5,24, 33B, 35, 53, 54, 56, 58	WB, ADB, UNDP, EU, NZ, USA, COMMSEC	REGIONAL, GOV, SOPAC	N		
C Analysis of mitigation options	24, 33B, 35	UNDP, ADB, EU	SPREP / CROP,SOPAC	N		

IV Stage III – Response

A Develop and design appropriate adaptation / MITIGATION solutions (financial / economic)	2,4,15,21,33	WB, USP, AUSAID, ADB,	USP, SOPAC, GOV	N	Adaptation pilots	
B Implementing adaptation / pilots – risk management	2,3,5,22,28, 77	WB, AUSAID,CIDA, WWF	GOV, SPREP, WWF	N		
C Implementing mitigation / pilots	14, 33B, 77	DANIDA, WWF	SOPAC, USP, WWF	N		

V Policy, Planning and Mainstreaming

Mainstreaming

A Regulation of data access					
B Adaptation / risk management plans	2,3,6,26,28, 33	WB,UNDP, CIDA	GOV,SPREP	N	
C Incorporation into the national budgets	2,3,4,5,30,33, 39, 73, 77	WB,UNEP, WWF,	GOV,SPREP, WWF, SOPAC	N	

/ plans / policies and programmes		TAIWAN			

Note from final discussion - identification of gaps.

SOCIO-ECONOMIC - Human dimension of impacts – vulnerability and adaptation (economic valuation, human / social capacity to adapt, incentives / drivers)

Information at National level

Adaptation pilots

Response oriented research