

Climate Roundtable - Matrix of Projects

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. 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/PIC CAP • 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 	US\$2.300 M	1999-2003	Samoa	Government of Samoa- Department of Lands, Survey and Environment	A, S	2B, 4A, 4B, 5B, 5C

		<ul style="list-style-type: none"> Guidelines for coastal protection and beach replenishment Coastal protection 						
3. 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\$1.800 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
4. 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\$260,000	2002-2003	Regional	World Bank, SPREP, SOPAC, USP, ADB, AusAid, NZODA, UNDP, UNEP, NGOs, Others	A, S	4A, 5C
5. Kiribati Adaptation Project	Phase I: World Bank (through Japan climate change funds)	<p>Phase I:</p> <ul style="list-style-type: none"> Mainstreaming adaptation into national economic planning National Consultation Awareness Capacity building in risk management (through CHARM) 	Phase I: (committed) Japanese funds (through WB) US\$0. 640 M	Phase I 2002-2005	Kiribati	Gov. of Kiribati Executed by Ministry of Finance and Economic Planning on behalf of inter-sectoral working group under Secretary to the	A, S	1A, 3B, 4B, 5C

	Phase II: Bilateral contributions/ GEF (being sought)	<ul style="list-style-type: none"> Economic, social and sectoral adaptation assessments <p>Phase II: Possible top up of public expenditure, (against national adaptation benchmarks)</p>	Gov: US\$80,000 SOPAC: US\$80,000 Phase II: US\$3.25 (being sought)	Phase II: 2005-2008		Cabinet		
6. Risk Management Component under Samoa Infrastructure Asset Management Project II	World Bank (IDA)	<ul style="list-style-type: none"> Risk management National emergency management Risk reduction pilots GIS 	US\$2.6 million	2003-2007	Samoa	Ministry of Works and Ministry of Natural Resources and Environment	A, S	3, 4, 5, 6

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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.	<ol style="list-style-type: none"> Capacity Building Research Impacts and Vulnerability Response Policy + Science Institutional Monitoring + Review
UNDP-SIDSnet - Ongoing Projects							
7. SIDSNET Regional Component for Pacific	GEF – UNDP	Information Technology and Training	US\$150,000+	2002 – 2005	Regional	SPREP	1A, 1D
University of South Pacific - Ongoing Projects							
8. University of the South Pacific – Miscellaneous Research Projects	USP	<ol style="list-style-type: none"> Impacts of tropical cyclones on river systems(Dr. J. Terry) Early Human- 	\$50,000 Annually for researching with	2002-004	Cook Islands, Fiji, Tonga, Samoa, Tokelau,	Individual USP Staff (Faculty)	2B, 3A

		Environment Relationships(Prof. P. Nunn) 3. Environmental Changes within the last 10,000 years (Prof. P. Nunn) 4. Incidence and Significance of Accuvial Charcoal (Roselyn Kumar, P. Nunn)	relevance to climate		Tuvalu, Kiribati, Marshall Is., Niue, Nauru, Vanuatu, Solomon Is.		
9. AIACC (PICCAP)	GEF/UNEP	<ul style="list-style-type: none"> • Scenario Generation • Case Studies • Capacity Building 	220,000	2002-05	Fiji, Cook Is.	USP	3A
10. Ozone and Methane Project	NASA	Monitoring levels of atmospheric ozone and methane	US\$35,000	Ongoing	Fiji	USP	2B
11. El Nino and Sugar Project	START / NOAA	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	USP	3A
12. Capacity Building for Wind Power	Funded by DANIDA through SOPAC	Installation of wind energy system, close to campus to be used for teaching, research and raising awareness	tbd	2001 - Onwards	Fiji	SOPAC, USP, UNEP	4C
13. Substitution of coconut fuel in diesel	USP	Studying technical and socio-economic implications of using bio-fuel in rural communities	tbd		Rotuma- Fiji	USP	4A

14. Climate Change Vulnerability and Adaptation Assessment Training		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		1999 - ongoing	Regional participation at USP	USP	1A
15. Pacific Islands Community-based Conservation Course	SPREP, DIFD		tbd	2001-2002	Regional participation	USP	1A
16. Integrated Coastal Management Wshop	Packard Foundation		TBD	April 2002	Fiji	USP, University of Rhode Island	1A

17. SEREAD Project (<i>Scientific Educational Resources and Experience Associated with the Deployment of Argo</i>)	USP Departments of Physics and Marine Science, IOI-Pacific Islands, SOPAC, IOC-Perth office NIWA, UNESCO Office Apia, NOAA, ARGO Science Team and POGO	Educational programme to generate awareness and understanding of pacific island students of the role of the ocean in the climate system.	tbd	ongoing	regional	Dr. Than Aung USP	1C
AusAID - Ongoing Projects							
18. Sea Level and Climate Monitoring	AusAID	<ul style="list-style-type: none"> Monitoring and analyzing 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
19. Disaster Management Unit	AusAID et al	<ul style="list-style-type: none"> Capacity Building re: Disaster Preparedness 	US\$0.750 M (AusAID contibution only)	2001-2003	Regional	SOPAC	1A, 4A
AusAID - Proposed Projects							
20. 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
21. Meteorology - Enhanced Climate Reduction (pipeline)	AusAID	<ul style="list-style-type: none"> Capacity Building Information/Public Awareness 	\$0.75 M (est.)	2002-2004	Regional	tba	1B, 1C

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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.	<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
UNDP-GEF Ongoing Projects							
22. 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
UNDP - GEF Proposed Projects							
23. 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
24. 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 • Preparation of NAPA 	\$200K per country	2002-2004	5 LDCS (Kiribati, Samoa, Solomon Is., Tuvalu, Vanuatu)	National and regionally implemented activities	3A, 5B
25. 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

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SPREP – Ongoing Projects							
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 	SPREP and National Governments	1A, 5C

					• Vanuatu		
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

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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.

SPREP - Proposed Projects							
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
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 <i>The overall objective of this project is to achieve improved, nationally and</i>	To be determined (TBD)	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,	750,000 3,160,000 530,000	5 years 2-3 years 2-3 years	Regional Regional Regional	WMO/SPREP WMO/SPREP WMO/SPREP	1A, 2C

<i>regionally integrated and mutually complementary networks of observations to support the provision of weather and climate services.</i>		collection, dissemination and training.					
		1.4 Training in climate observations.	110,000	2 months duration for 5 years	Regional	WMO/SPREP	
		1.5 Restore and upgrade regional and upper-air climate and meteorological network.	2,600,000	5 years	Regional	WMO/SPREP	
		1.6 Provision of high resolution satellite imaging systems.	430,000	4 years	Regional	WMO/SPREP	
		1.7 Lightning detection systems.	670,000	2-3 years	Regional	WMO/SPREP	
		1.8 Radar network	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		
Asian Development Bank – Ongoing Projects							
44. 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 Adaptation Mainstreaming at ADB level and country decision making level through incorporation of evaluations of adaptation options and policy development 	\$800,000 seeking additional funding through co-financing	2002-2003	Regional. (Country and ADB level mainstreaming)	ADB and FSM and Cook Island Governments	1A, 1B, 1D, 3A, 4A, 5B, 5C

Asian Development Bank – Ongoing Projects

45. Pacific Regional Environment Strategy (PRES)	ADB with co-financing from the New Zealand Government	<ul style="list-style-type: none"> Development of an ADB regional environment strategy that comprises key areas of assistance within ADB operations for the Pacific, including a chapter on climate adaptation 	\$400,000	2002-2003	Regional.	ADB and Pacific Islands Governments	4, 6, 7
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SOPAC - Ongoing Projects							
46. 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
47. 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	1999-2003	Regional	SOPAC	1A, 1B, 1D, 2A, 2B, 3B, 3C
48. Community Lifelines	Taiwan Perez-Guerrero Trust Fund	Pacific Islands Regional Biomass Energy Resource Assessment Project Status: Approved/ Commenced Tenders for	USD100, 000 (Total budget) Taiwan: USD25, 000 Perez	2002-2003	Fiji, Kiribati, Samoa, Tuvalu, Tonga & Vanuatu	SOPAC	1A, 1D, 2A

		consultant called.	Guerrero USD34, 000				
49. Community Lifelines	UN Trusteeship Funds	Energy Demand Side Management Status: Finalising TOR for Consultancy.	USD210,000	2002-2004	Regional	SOPAC	1A, 1D, 2A
50. 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
51. Oceans and Islands	Taiwan	Ocean Research Co-ordination Project for Pacific Small Island Developing States Duration: 2 years Status: Approved -underway	US100, 000	July 1999	Regional	SOPAC	1A, 5C
52. Community Lifelines	UNEP/ Denmark	Regional 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	USD93,000	2001-2004	Regional	SOPAC	1D, 4C
53. Oceans and Islands	ADB	Establishing Land Boundaries for harmonizing Land Use (Fiji Only) Duration: 4 months Status: Approved – (On hold)	USD195, 000	August 1999	Regional	SOPAC	

54. 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: 6 years Status: Approved-Underway	-----	August 1999	Regional	SOPAC	
55. 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
56. Oceans and Islands	New Zealand	Extended Continental Shelf Boundary Project Status: Completed	NZD31, 000	June 2000	Regional	SOPAC	
57. Cooperate Services	New Zealand	Virtual Library Project Status: Underway	NZD73, 914	June 2000	Regional	SOPAC	
58. Community Risk	British High Commission - Tonga	Communities and assets at risk – Nuku'Alofa Duration: 1 year Status: Underway	FJD20, 000	July 2000	Tonga	SOPAC	2A
59. Community Lifelines	DFID	SOPAC Water & Sanitation Specialist Duration: 3 years Status: Underway	GBP300, 000	-----	Regional	SOPAC	

60. Community Risk	AusAID New Zealand	Disaster Management Unit- project Design Document Duration: 2 years Status: Underway	AUD500, 000 NZD300, 000	June 2000	Regional	SOPAC	
61. Community Lifelines	AusAid	GIS establishment in the Marshall islands. Status: Underway	USD89, 947	October 2000	Regional	SOPAC	1A
62. 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 Status: Underway	USD125, 000	August 2000	Regional	SOPAC	
63. Community Lifelines	NZODA	Water Education and Awareness Kit Duration: 1 year Status: Underway	FJD10, 000	March 2001	Regional	SOPAC	1C
64. 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
65. Community Risk	NZ ODA	Development of a Risk Management Framework for Volcanic Hazards in the South Pacific. Status: Underway	NZD35, 490	January 2001	Regional	SOPAC	3B

66. Community Risk	US Source	Community Based Reduction of Vulnerability to Natural Hazards in the South Pacific Nations. Duration: 1-2 years Status: Proposal being developed.	-----	March 2001	Regional	SOPAC	3B
67. Oceans and Islands	AusAID	Maritime Boundaries Project Duration: 4 years Status: Project Inception – Phase Approved	US\$ 3. 549 M	March 2001	Regional	SOPAC	
68. 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
69. Community Lifelines	New Zealand Belgium	Strategic action Plan on Wastewater in the Pacific Status: Approved	FJD50, 000 USD60, 000	May 2001	Regional	SOPAC	
70. Ocean and Islands	Comsec	Coastal Erosion on Tongatapu and Atata, Kingdom of Tonga.	FJD38, 415.12	-----	Regional	SOPAC	3B
71. Community Lifelines	UNEP	Pilot project on Empowering Women in Rainwater Harvesting in the Pacific Atoll Islands Duration: 2 years Status: Approved	USD120, 000	May 2001	Regional	SOPAC	

72. Ocean and Islands	Taiwan/ ROC	Developing an Oceans Resource Management System for Pacific Large Ocean Islands States Duration: 1 year Status: Approved	USD40, 000 USD25, 000	June 2001	Regional	SOPAC	
73. 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	USD40, 000 USD15, 000	June 2001	Regional	SOPAC	
74. Community Lifelines	Taiwan/ ROC	Regional Biomass Resource Assessment as an indicator for Sustainable Energy Development Duration: 2 years Status: Approved	US\$40, 000 US\$25, 000	June 2001	Regional	SOPAC	
75. Community Risk	Taiwan/ ROC	Building Capacity to insure against Disasters in Pacific Islands Countries. Duration: 2 years Status: Approved	US\$40, 000 US \$ 55,000	June 2001	Regional	SOPAC	1A, 1B
76. Community Lifelines	WHO	Sanitation Park Pilot Project Duration: 2 years Status: Approved	FJD100, 000 FD14, 000	June 2001	Regional	SOPAC	

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World Meteorological Organisation - Ongoing Projects							
77. Pacific Regional Climate Bulletin	Government of Italy, & NZAid	Publication of the "Island Climate Update" ¹	100,000	2001	Regional		1A, 1D
78. 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
79. Training in climate observations	WMO & the Government of Fiji	Training in climate observations ³	24,000	2002	Regional	WMO & Government of Fiji	1A, 2C
80. Training in support of forecasters	JICA and the Government of Fiji	Training in support of forecasters	24,000	2002	Regional	The Government of Fiji through the Meteorological Service	1A, 2C
81. Training in tropical cyclone analysis, forecasting and warnings	WMO & US NOAA NWS	Training in tropical cyclone analysis, forecasting and warnings.	10,000	2002	Solomon Islands, Tokelau, and Niue	US NOAA NWS Pacific Region Office in Honolulu, Hawaii Islands	1A, 2C

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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.

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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.	<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
World Meteorological Organisation - Proposed Projects							
82. Strengthening Climate Observing Systems <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>	To be determined (TBD)	1.1 Upgrade ground-surface climate observation systems 01.2 Provision of Data Collection Platform(DCP) and Automatic Weather Stations(AWS) 11.3 Marine meteorological and climate data reporting, collection, dissemination and training. 21.4 Training in climate observations. 31.5 Restore and upgrade regional and upper-air climate and meteorological network. 41.6 Provision of high resolution satellite imaging systems. 51.7 Lightning detection systems. 6 71.8 Radar network 1.9 Technical maintenance back-up	750,000 3,160,000 530,000 110,000 2,600,000 430,000 670,000 10,200,000 500,000	5 years 2-3 years 2-3 years 2 months duration for 5 years 5 years 4 years 2-3 years 2-3 years 6 months per year over a 5 year period	Regional Regional Regional Regional Regional Regional Regional Regional Regional	WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP WMO/SPREP	1A, 2C

<p>83. 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 severe weather warnings, delays and inaccuracy can result in serious consequences.</i></p>	TBD	<p>2.1 Provision of high frequency radio transceivers for the collection of weather reports from outer-islands.</p> <p>2.2 Provision of Local Area Network (LAN).</p> <p>2.3 Provision of Emergency Managers Weather Information Network (EMWIN) receiving terminals.</p>	<p>1,200,000</p> <p>700,000</p> <p>650,000</p>		<p>Regional</p> <p>Regional</p> <p>Regional</p>	<p>WMO/SPREP</p> <p>WMO/SPREP</p> <p>WMO/SPREP</p>	1A, 2C
<p>84. 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>	TBD	<p>3.1 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>3.2 Storm surge prediction models</p> <p>3/3 High resolution numerical weather forecasts for Pacific island countries</p>	<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>120,000</p>	<p></p> <p></p> <p></p> <p></p> <p>2-weeks workshop over a 3 period</p> <p></p> <p>2-3 years</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>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/OPAC</p> <p>WMO/SPREP/SOPAC</p>	1A, 2C

85. Climate Data Management, Analysis and Application. <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>	TBD	4.1 Climate analysis and applications	100,000	1 month per year over a 3 year period	Regional	WMO/SPREP	1A, 2C, 5C
		4.2 Training in climatology.	250,000	3 years	Regional	WMO/SPREP	
		4.3 Pacific Regional Climate Bulletin	300,000	3 years	Regional	WMO/SPREP	
		4.4 Expanding and enhancing the prudent use of climate predictions.	620,000	3 years	Regional	WMO/SPREP	
86. Institutional Strengthening, Including Infrastructure Support	TBD	5.1 SPREP Meteorological Officer	360,000	5 years	Regional	SPREP	1A, 2C
		5.2 Regional meeting of meteorological service Directors	320,000		Regional	SPREP	
		5.3 Building infrastructure	6,000,000		Kiribati, Samoa, Solomon Islands, Tuvalu, Tonga and Vanuatu	Individual Government concerned	
87. A Programme to Meet Hydrological Training Needs of Small Island Countries in the Pacific <i>To provide training to Pacific island countries enabling them to assemble, maintain and supply data and information on water resources.</i>	TBD	6.1 A Programme to Meet Hydrological Training Needs of Small Island Countries in the Pacific	177,000	3 years	Regional	WMO/UNESCO/SO PAC	1A, 2C
88. Hydrological Cycle Observing System for the Pacific	TBD	7.1 Pacific-HYCOS	354,990	3 years	Regional	WMO /UNESCO /SOPAC	1A, 2C

<p>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 databases and information archives.</i></p>							
WWF South Pacific - Proposed Projects							
<p>89. WWF South Pacific Climate Change Programme</p>		<ul style="list-style-type: none"> ○ Community based adaptation projects ○ Community based renewable energy projects ○ CC impacts on bio-diversity impacts ○ Education and Awareness 	TBD	2002 - 2005	Regional Cook Islands Fiji Papua New Guinea Solomon Islands	WWF National Governments	1C, 4B, 4C, 5C
South Pacific Community (SPC) Ongoing Projects							
<p>90. OFCCP GLOBEC</p>	<p>SPC-OFP PFRP-Univ. Hawaii</p> <p>APN, GEF, NSF, etc... ?</p>	<p>Investigate the effect and consequences of climate change on the productivity and distribution of oceanic tuna stocks and fisheries in the Pacific Ocean</p>	<p>- Self-funded collaborative studies</p> <p>- PFRP (570,000)</p> <p>- APN (?)</p>	2002-2009	regional	GLOBEC (IGBP) SPC	2C

Pacific Islands Forum Secretariat:

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.

SUMMARY MATRIX

	Project	Donor	Implementers / Cooperation partner	National / Regional	Gaps	Donor position / roles
I Capacity Building					Information / awareness of communities / decisions	Lead role – UNDP plus secondary donors
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		
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	7,9,33, 33B,	NZ, ITALY, ADB	NIWA, FIJI MET	R/N		

levels	35, 36, 37, 65					
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 adapt, incentives / drivers)	UNDP sees that it has a role here
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					
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 / plans / policies and programmes	2,3,4,5,30,33, 39, 73, 77	WB,UNEP, WWF, TAIWAN	GOV,SPREP, WWF, SOPAC	N	

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