



The Strategic Action Programme for the International Waters of the Pacific Small Island Developing States

Quarterly Progress Report Fourth Quarter 2003

Integrated Coastal and Watershed Management Component

Key Points

Highlights this quarter included:

- Selection of the site to host community-based elements of the Project in Vanuatu and Papua New Guinea with the result all 14 participating countries have now selected host communities;
- In association with the United Nations Division of Ocean Affairs and the Law of the Sea and the University of the South Pacific, the completion of the design of a Course for economics in community-based resource management projects;
- Marine baseline survey planning and scoping in Niue;
- Preliminary work to assess the economics of waste in Marshall Islands;
- PCU visits to Cook Islands, Tuvalu, Fiji (four), Kiribati, Nauru, Marshall Islands (twice) and Solomon Islands;
- Appointment of new National Coordinators in Yap and Kiribati;
- Project planning, with the assistance of The Nature Conservancy, in Yap;
- Good progress with the production of two resource kits – one focused on participatory social assessment and project planning and another on social marketing (the latter in collaboration with the New Zealand Ministry of Environment);
- A regional consultation on integrated coastal and watershed management as a preparatory meeting for the Pacific Islands Regional Ocean Forum;
- Two presentations to the International Conference on the Sustainable Development of the East Asian Seas in Malaysia;
- Participation in a Social Marketing Conference in New Zealand; and
- Participation in a learning exchange conference in The Netherlands.

Overview

The Integrated Coastal and Watershed Management (ICWM) Component of the International Waters Project (IWP) for the Implementation of the Strategic Action

Programme (SAP) made significant progress in several areas during the quarter – the 14th of 28 quarterly reporting periods planned for the Project.

All 14 participating countries had completed the selection of the focal issue to be addressed by their pilot activities during the third quarter of the year. With six of the participating countries also selecting communities to host the community-based components of their projects during the third quarter only Vanuatu and Papua New Guinea remained to select host sites. This was completed during the fourth quarter. The community to host activities of the Project in Papua New Guinea is Barakau in Central Province. Crab Bay on Malekula, consisting of nine closely associated communities, was selected to host the Project in Vanuatu (see Attachment A).

The main activities being supported by National Coordinators throughout the quarter included the identification of facilitators to assist with stakeholder engagement activities, planning for participatory situation assessment initiatives with the host communities and preliminary social, economic and biological baseline work. Those countries that selected waste as the focal issue to address have commenced planning to undertake preliminary community waste stream assessments.

As part of an initial effort to address a recommendation of the Mid-Term Evaluation of the Project completed in the second quarter of the year, and to also prepare for the Pacific Islands Regional Ocean Forum scheduled for February 2004, the Project Coordination Unit (PCU) commenced an assessment of national and regional policy development and implementation issues associated with integrated coastal and watershed management (ICWM or ICM). In addition to a preliminary assessment of implementation issues, gaps and opportunities relating to the large number of action plans, environmental agreements and regional and national strategies with implications for ICM, a small brainstorming workshop, supported by the IWP and held at the headquarters of the South Pacific Applied Geosciences Commission (SOPAC) in Fiji in early December, considered strategies for raising the profile of ICM during the Ocean Forum.

Following the completion of the four sub-regional Train-the-Trainer workshops conducted during the year, during which 60 practitioners received further exposure to social assessment and participatory planning theory, techniques and methodology, the Project commenced work consolidating the resource material prepared for the workshops into a resource kit. This is being undertaken as a joint initiative with several other SPREP projects and external stakeholders. A first draft of the kit was released for peer review in December.

The Project continued to explore opportunities for piloting social marketing techniques to support community-based resource management activities during the quarter. Together with environmental educators from three participating countries (Fiji, Palau and



Vanuatu), the PCU participated in a Social Marketing Conference in Wellington, New Zealand. The Conference provided an opportunity to discuss social marketing as a tool in community-based natural resource management initiatives such as those of the IWP in the Pacific region. It also provided Pacific Island practitioners with useful background on social marketing initiatives in New Zealand and elsewhere – through planning and implementation, monitoring and evaluation of projects attempting to influence behavioral change. Following the Conference, the PCU was able to make good progress with the development of a Social Marketing Toolkit – a resource that should prove valuable to a broad cross section of conservation and resource management practitioners in the region. The Toolkit is scheduled for release early in 2004.

Following almost 12 months of intensive research and preparatory work, the PCU, in association with staff from the Australian National University (ANU), the United Nations Division of Ocean Affairs and the Law of the Sea (UNDOALOS) and the University of the South Pacific (USP) completed the design of a short Course in community-based resource economics. The Course will be offered to 20 practitioners from government agencies, non-government organizations (NGOs) and tertiary institutions in February 2004 at USP Suva.

The PCU continued to participate in several significant SPREP Secretariat activities during the quarter. In addition to the regular Internal Consultative Meeting to discuss IWP issues with SPREP staff, PCU members contributed to planning work to review the Action Plan for Managing the Environment in the Pacific Islands Region and strategies to implement the new Programmatic Strategy, adopted by the 14th Annual SPREP Meeting in September, and which now guides the work of the organization.

Implementation status

A summary of Programme implementation benchmarks is presented at Attachment A.

Communications

During the year the PCU introduced an electronic newsletter, which has received positive feedback, voice conferencing through the internet which is being utilized for communications between the PCU and National Coordinators and between National Coordinators themselves, and refined the IWP web site at SPREP (in association with the update of the SPREP website).

The IWP presented to several regional forums on communications. This included a Pacific Island News Association conference held in Samoa and the Australia National University-run Water Communication and Community workshop held in Fiji during September. At international meetings, the PCU participated in the Sixth Water



Information Summit and a Knowledge Management Workshop convened by the IW:LEARN project in Delft, The Netherlands. In collaboration with representatives from three participating countries (Fiji, Vanuatu and Palau) and the SPREP Environmental Education Unit, the PCU also actively participated in an international Conference, Social Marketing for Social Profit, which was dedicated to social marketing in New Zealand.

Support to national components of the project, particularly in relation to publications (principally the Priority Environmental Concerns reports) was provided to many of the participating countries. While some progress has been made in respect of the development of national communication strategies, for both national and community target groups, additional attention will be required in relation to this area in 2004.

During the fourth quarter, further work was completed towards a Pacific social marketing model – a collaborative initiative with New Zealand’s Ministry for the Environment. A staff member from the Ministry was seconded to SPREP for six weeks in the last quarter of 2003 to assist in the development of the Toolkit. The result of this work will be a Social Marketing Toolkit Scheduled for release early in 2004.

Table 1. IWP 2002/2003 website statistics

Activity	2002 [Quarter]		2003 [Quarter]			
	3	4	1	2	3	4
Successful Hits	6,717	6,319	*	10,923	11,778	13,703
Number of User Sessions	2,339	2,858	*	4,505	4,684	5,333
Hits per Day – average	73	85	*	121	136	148
User Session Length – average	00:13:04	00:12:21	*	00:14:16	00:09:42	00:08:38

** statistics unavailable*

Next quarter – 2004 Priorities

Priority work in 2004, building on the achievements of 2003, will include:

- Finalization of the Social Marketing Toolkit;
- Further improvement of the IWP website;
- Increased attention to knowledge management within the Project;
- National and sub-regional social marketing for community-based resource management workshops (based on the Toolkit);
- Identification of resources to support the development of an exchange program for communication managers associated with resource management initiatives in the region;



- Integration of the IWP communication initiatives to related SPREP activities; and
- further development and implementation of national and local-level communication strategies to pilot initiatives to strengthen resource management and conservation.

Resource economic issues

The PCU contributed substantially to the development of a new Train Sea Coast course on economics for community based environment and development projects in the Pacific. The course is aimed at project managers and resource managers and has a distinctly Pacific flavour, drawing on Pacific island case studies of community projects on the environment. The course will be delivered for the first time in February 2004 in collaboration with other course developers (ANU and USP).

Project specific economic activities commenced this year – firstly with the release of the Economic Strategy for the Project. National Coordinators were invited to start collecting economic information to provide a baseline for monitoring and evaluating projects.

At the national level, a scoping exercise was undertaken in the Marshall Islands in preparation for an economic evaluation of waste.

Next quarter – 2004 Priorities

Priority work areas next year

- First delivery of the Train Sea Coast economics for community based environment and development projects in the Pacific;
- Contracting of economic evaluation of waste on Majuro;
- Supporting economic information collection for country pilot activities – particularly in relation to the assessment of property rights, the assessment of incentives for unsustainable behavior, identification and assessment of economic instruments at the national level, and economic monitoring;
- Synthesis of economic issues contributing to the root causes of the problems (where they have been analyzed) to support lessons learned; and
- Economic and financial feasibility assessments supporting potential solutions to address the focal issue root cause problems addressed by pilot activities at the national level.

Social Assessment and Participation

Completion of a series of four sub-regional training workshops in *Stakeholder Participation, Facilitation and Social Assessment* was a major achievement for 2003. Approximately 60 people, including IWP national staff and others from NGOs and



government agencies from 14 Pacific Island countries, attended the workshops. This has provided grounding for National Coordinators and associates to commence participatory planning activities with their host communities to plan and design their pilot projects. One of the on-going challenges, however, is to provide continue timely and on the ground support to countries during this stakeholder planning process.

The PCU synethized participants' evaluation of the exercise and the results were considered in revision of the workshop materials into a resource kit and plans for future training initiatives under the IWP in 2004. Utilising the workshop materials and in collaboration between 14 IWP participating countries, PCU and other SPREP-managed programmes, a kit provisionally titled "*Resource Kit on Social Assessment and Planning for Participatory Natural Resource Management in the Pacific*" is currently in preparation.

The resource kit is intended to support local facilitators in undertaking various participatory planning activities with local stakeholders for natural resource management projects and programs in the Pacific region. The resource kit will also be of interest to project managers or coordinators involved in supervising local facilitators, staff of regional organizations both government and non-government, universities and colleges, and trainers involved in capacity building initiatives in community-based environment and resource management initiatives. A draft of the Kit was circulated for peer review in December 2003. It is planned to finalize the content and publish the Kit during the first half of 2004.

From its Apia office at SPREP, the PCU has continued to provide technical backstopping and facilitatory advice to National Coordinators on various steps and stages concerning social assessment and stakeholder participation in initial stages of pilot project implementation.

Assistance and advice has been provided to Niue on planning of stakeholder consultations and marine baseline assessments in the IWP pilot sites. In addition, the PCU has assisted with the coordination of related activities between the IWP Niue, the Lead Agency in Niue and two of the coastal fisheries programmes at SPC currently proving support and assistance to Niue in fisheries.

The IWP-Kiribati (IWPK) requested SPREP assist in coordination and delivery of a similar training workshop on social assessment and stakeholder participation at the national level in 2004. The Kiribati National Task Force has identified the community of Ununiki on Tarawa to host the pilot project. The next step in implementation of the pilot is to work with the community and other stakeholders to identify the root causes of their waste concerns in order to determine which of the problems the IWPK, working alone, or with others, can address with the resources (including time) available. In order to support stakeholder participation in the pilot and consideration of social issues impacting on root



causes of environmental problems, the staff of the IWPK, and possible associates will require some training as facilitators in participatory planning processes and social assessment. SPREP and IWPK have approached FSPI and FSPK and FSP Fiji to collaborate on delivery of a 2-week training workshop to be held in first or second quarter of 2004 and provide follow up support during implementation. This workshop will provide an excellent opportunity to test the revised resource kit noted above at a national country level and potentially partner with a national NGO in Kiribati.

Next quarter – 2004 Priorities

Priorities for 2004 will continue to include:

- technical support and advice to countries on their social assessment and participatory project planning to support their community-based pilot initiatives;
- completion of the Resource Kit;
- documentation of activities, and analysis of processes and outcomes, for lessons learned and case studies relating to stakeholder participation and consideration of social issues throughout the pilot project planning and design phase;
- monitoring strategies for social and stakeholder participation, including the identification of appropriate indicators, during pilot implementation; and
- further capacity building to support stakeholder participation in natural resource management initiatives.

Administrative Issues

Staffing

The Project's National Coordinator in Kiribati, Dr Komeri Onorio resigned during the third quarter to concentrate on his consultancy business. A replacement, Ms Ritia Bakineti, was appointed in early October.

With the appointment of Mr Vitus Foneg, officials in Federated States of Micronesia completed the selection of a new National Coordinator for the Yap Project.

The Assistant National Coordinator in Tonga, Ms Pelenatita Kara, resigned to take up a senior position elsewhere in Government. Recruitment of a replacement was anticipated to be complete early in 2004.

After two years with the Project, Mr Samson Samasoni advised of his intention to return to New Zealand to be with his family. As a result SPREP advertised for new Community Communication Specialist in December.

A list of Project staff is presented at Attachment B.



Financial

Table 2. Disbursements to participating countries January 2000 to December 2003

Participating Country	2000	2001	2002	2003	Total
Cook Islands	0	0	24,420	48,300	72,720
FSM	0	0	48,787	-	48,787
Fiji	0	7,029	42,162	44,943	94,135
Kiribati	0	0	62,531	49,076	111,607
Marshall Islands	0	1,000	27,556	49,650	78,206
Nauru	0	0	59,829	15	59,844
Niue	0	12,726	81,469	47,336	141,531
Palau	0	0	35,027	67,900	102,927
Papua New Guinea	0	0	37,387	109,248	146,635
Samoa	0	1,000	36,158	45,900	83,058
Solomon Islands	0	0	40,349	51,200	91,549
Tonga	0	2,245	43,019	45,400	90,664
Tuvalu	0	0	34,610	51,089	85,699
Vanuatu	0	0	32,448	80,700	113,148
TOTAL	0	24,001	605,757	690,759	1,320,517

During the quarter, the Project Accountant, Mr Rama Va'a visited Tuvalu, Kiribati, Nauru and Solomon Islands to assist national staff with preparations for 2003 financial reporting. He installed an accounting software package on project computers and trained local staff in its use. The aim of this initiative is to strengthen financial management capacity in national projects and prepare national accounts for the 2003 audit.

Consultancies

In addition to consultancies arranged through national offices, the PCU was associated with the following consultancies during the quarter:

Dr Sango Mahanty commenced work to consolidate the material from the train-the-trainer workshops conducted during the year into a *Resource Kit on Social Assessment and Planning for Participatory Natural Resource Management in the Pacific*. This is being done in association with other SPREP programmes and external collaborators. The Toolkit has been circulated for peer review with the objective of completing production in the second quarter of 2004.

Through an arrangement with the New Zealand Ministry of Environment, Mr Steve Menzies, commenced work on a Social Marketing Toolkit for community-based resource



management and conservation initiatives in an island context. The draft Toolkit will be circulated for review in January 2004. The Ministry and Mr Menzies contributed a combination of staff time and recreational leave to undertake the assignment.

Dr David Fisk undertook a preliminary marine baseline assessment for the Niue IWP during late November and December. The assessment is aimed at identifying key indicators and other factors of relevance at the commencement of the project to strengthen community-based coastal fisheries management arrangements at Alofi North and Makefu. The assessment will also involve the development of a monitoring programme that will cede responsibility for monitoring key indicators throughout the project to community members.

Country Visits

During the quarter PCU staff visited:

- Marshall Islands (October and November);
- Fiji (October, November and December);
- Solomon Islands (November),
- Nauru (November),
- Tuvalu (November), and
- Kiribati (November).

Information management

In 2001 the PCU commissioned the design of a database to store and manage information for projects and programmes of relevance to the IWP/SAP. The development of the IWP Projects Database was undertaken in consultation with SPREP programmes responsible for information services. The integration of the Database to SPREP's corporate strategy for information management, through the Corporate Data Model initiative, was a principal consideration during its design and development.

The Database was distributed to National Coordinators in April/May 2002. Three participating countries have contributed to the Database to date – Fiji, Tonga and Vanuatu. The Database now has 500 unverified records.

The PCU continues to actively participate in SPREP's Corporate Data Model initiative – an agency-wide initiative to improve the organization's information management.

Publications

A summary of Programme publications is presented at Attachment C.



Meetings and Workshops

A summary of meetings, conferences and workshops that Programme personnel participated in during the quarter is presented at Attachment D.

IWP Scholarship Scheme

The IWP Pacific Regional Scholarship Scheme valued at US\$273 000 was announced in March 2003, with each participating country offering US\$19 500 to post graduate students studying a technical topic related to the IWP.

Tuvalu was the first participating country to announce the award of the scholarship during the third quarter. During the fourth quarter Tonga announced that it was in the final stages of selection from two short-listed candidates. Samoa advertised the scholarship widely in the national press during the quarter.

Country Activity

Cook Islands: Takuvaine, a community living in a watershed bordering the main town area on Rarotonga, was selected by the National Task Force to host the community-based activities for the Project at its meeting in July. The Project commenced an extended community engagement phase in September. Two Takuvaine Working Groups have been formed - one in the Catchment Area and the other from the Urban Area.

The Catchment Area Group, with the assistance of the Department of Waterworks, is currently conducting a technical study of the catchment area and the various parameters being tested for water quality. Also considered in this study are the possible sources of pollutants. This will eventually be used to assist in drafting a management plan.

The Urban Area Group is currently conducting extensive awareness raising and community engagement activities in a sustained effort to secure maximum participation in the Project. Leveraging community cooperation is proving to be a significant challenge. Local residents are generally suspicious of government-sponsored initiatives and cooperation with government projects in the past not having promoted broad community consultation and engagement. An initial socioeconomic survey is in progress with this group.

The Working Groups currently meet weekly. These community engagement activities are likely to continue well into 2004.



The Cook Islands IWP National Task Force, at their last meeting for the year held on 15th December, endorsed the selection of Nooroa Roi as the recipient to the IWP Scholarship. He is a Ministry of Marine Resource officer and will be pursuing for a Masters Degree in Business Administration focusing on Coastal Fisheries.

Federated States of Micronesia: The selection of the Yap Coordinator was confirmed in late September and the position has been established within the Department of Resources and Development. With the assistance of The Nature Conservancy based in Palau, Yap officials, members of the four communities that have been selected to host community-based pilot activities for the Project (Gagil, Rumung, Maap and Gilman) and other local stakeholders participated in two sets of consultations (in October and December) to map out a strategy for implementation of the Project. A report of these consultations is currently in preparation. It will be presented to the Yap IWP Task Force early in 2004 after which full project implementation will commence.

In order to demonstrate a commitment to progressing the Project IWP and Resources and Development staff have commenced installing buoys to mark a potential marine protected area at the Riken site (Gagil). A Peacecorp volunteer who has been teaching environmental science and history is assisting the project in these activities.

Fiji: The last National Task Force (NTF) meeting for the year was held on 22nd November 2003. The Project Development Team (PDT) met on 7th and 15th October to discuss IWP Pilot Project launch. A half a day Workshop was organized to draft a work plan for all community activities. The Workshop was held on 18th October at the offices of the World Wide Fund for Nature (WWF).

The scholarships committee met on 21st of November to assess and recommend a student to the Ministry's staff board for endorsement. Mr. Duncan Williams has been selected. The Scholarships Unit of the Public Service Commission was part of the scholarship selection committee. The Legislative Review committee met on 21st November to assess applications and recommend a consultant to undertake the work.

IWP Fiji launched Vunisinu as the site for the community-based pilot activities on 2nd October. The Minister for Local Government, Housing, Squatter Settlement and Environment, Mr Matiasi Ragigia, was the chief guest. An initial awareness-raising workshop was conducted on 2nd of December in the community. The main objective of the workshop was to familiarise the Vunisinu and neighboring communities with the objectives and potential benefits of the IWP and other related initiatives. Partners in Community Development facilitated the workshop together with IWP trainer from Ministry of Fijian Affairs. A draft report has been prepared in English and translated into Fijian. IWP Fiji continued to disseminate information to Vunisinu community members on IWP process. A representative from the community has been invited to the NTF



together with officials from the Provincial office. IWP Fiji is working closely with a Peacecorp volunteer who is residing at the village. IWP Fiji have also commenced collecting baseline information on the project sites and issues being addressed.

IWP Fiji also attended the Integrated Coastal and Watershed Management Workshop at SOPAC.

Kiribati: The new National Coordinator for the Kiribati IWP took up her position in early October. Following her appointment, PCU staff traveled to Tarawa to spend two weeks to undertake a status assessment of the Kiribati IWP, to complete a full briefing of administrative and technical issues associated with the Project and to assist with selection of priorities for Project implementation. During the visit a comprehensive audit of the IWP accounts was completed, a desktop accounting package was installed on the Project computers and staff trained in its use.

Following broad consultations with other local stakeholders including the Foundation of the Peoples of the South Pacific Kiribati (FSPK) and the Community Development and Sustainable Participation Project (CSDP), Ununiki was confirmed as the site to host the community-based components of the IWP. Ununiki is a community of approximately 150 households and includes government housing, the Onitai Hotel, a school and private dwellings on Bekinibeu. Approximately 12 religious groups are active in the community. CSDP and FSKP are already doing considerable waste-related work with this community so the potential for collaboration appears good.

IWPK staff completed a stakeholder analysis for the Ununiki community as a first step in building a profile for the community. This was undertaken in conjunction with a series of general IWP awareness raising meetings with the leaders and other stakeholder groups to inform them of the objectives of IWP pilot, the timeframe and general activities that will be taking place over 2.5years. This is a precursor to initial planning for a Workshop on Participatory Social Assessment and Planning Processes which is planned for April 2004. The Workshop will be facilitated by FSP based in Suva, Fiji.

Seven National Task Force Meetings have been convened by the project to date (two in the last quarter of 2004). As a result of a poor response to initial advertising it has been decided to re-advertise the IWP scholarship.

Marshall Islands: The National Coordinator has formed an IWP working group within the Environment Protection Agency (EPA) Office. The group includes a GIS Specialist, the EPA's Solid Waste Officer, Laboratory Officer, Environmental Education Officer. The team are pooling their skills and resources to assist with various elements of the IWP community-based activities at Jenrock. A Community Waste Coordinating Committee has been established to coordinate Project activities at Jenrock.



A Solid Waste Group is also actively engaged in considering strategies to address the waste concerns of Majuro Atoll as a whole. The IWP is participating in this group that consists of EPA staff, representatives from the private sector and government officials representing the Marshall Islands Visitors Bureau, the Office of Environment Policy and Planning and the Office of Policy, Planning and Statistics. Through this Group, the IWP will contribute to a review of environment-related legislation for Marshall Islands with a focus on waste management.

The PCU visited Majuro twice during the quarter. The first visit was to commence work to assess the economic costs of waste to Majuro. Ms Paula Holland, the PCU's Natural Resource Economist spent a week consulting government officials and private sector groups to collect waste-related statistics – including information on waste-related health issues from the Ministry of Health and the Ministry of Public Works.

The second visit was by the Project Manager, Andrew Wright, who visited to discuss Project implementation issues with Government officials and assist with the development of a 2004 work plan and budget. During Mr Wright's visit, design work for a preliminary socio-economic baseline study and a preliminary waste stream analysis at Jenrock were completed.

Nauru: Work during the quarter focused on a preliminary socio-economic profile for the community at Bauda – the host site for the community-based activities of the Project. The Project is focusing on waste and its impact on local freshwater resources. A Community Waste Specialist, Mr Alice Leney who is based with the Foundation of the People's of the South Pacific in Kiribati spent three weeks in Nauru working with IWP Project staff and the Bauda community. The purpose of the visit was to assess the baseline waste situation in Bauda and to complete a preliminary assessment of waste-related policy and legislative issues in Nauru.

IWP Project staff and Mr Leney were able to complete a preliminary waste stream assessment that included approximately 10 percent of Bauda households involving 57 adults and 60 children. Four members of the Bauda community were trained in methods to undertake the analysis and are now considered capable of undertaking any similar future assessments. The results of the preliminary assessment suggest that the community of 110 residents produces approximately 42 tonnes of waste per year. Approximately 18 percent of the waste is plastic, 18 percent consists of tin cans and 12 percent is composed of disposable nappies. Other point sources of pollution including 112 car wrecks within the community area and a tailings dump contaminated with cadmium were assessed for the potential impacts on the Bauda watershed and freshwater resources. The report for this consultancy is currently in preparation. It will be presented to the National



Environment Coordinating Committee (NECC) which will then decide on appropriate strategies for moving forward.

During the quarter, the PCU Project Accountant, Mr Rama Va'a, visited Nauru to assist Project staff with a preliminary audit of 2002 and 2003 IWP accounts, to install a desktop accounting package and train staff in its use.

Niue: The Niue IWP hosted several visitors during the last quarter of the year. A party including Ms Joyce Yu, the UNDP Resident Representative based in Samoa, visited during November. IWP-associated personnel also visited in November and December to assist with the preparations and conduct of an initial marine baseline survey at Makefu and Alofi North, the two villages hosting community-based pilot activities for the Project. Dr Natasha Stacey from the PCU assisted with the initial design work for the baseline and Dr David Fisk, a coastal marine survey expert, undertook the first of a series of visits that aim to describe the baseline environmental situation at the two sites. Part of Dr Fisk's work also involves identifying indicator organisms that can be monitored throughout the Project to assist in evaluating project impact. To the extent possible, monitoring activities will actively involve community members.

Two Niuean students studying at the University of the South Pacific joined the project on a short-term attachment during December. They participated in the preliminary baseline assessment activities, have received some basic training in participatory problem analysis and are undertaking community profiles for the two villages.

In respect of administrative issues, a memorandum of understanding was finalised between the Project and the two villages, a Project Development Team (consisting of Fisheries Division, Environment, Public Works and Public Health personnel and representatives from the communities) is functioning and the National Task Committee continues to meet reasonably regularly. A volunteer, recruited under New Zealand's Voluntary Services Abroad scheme, will be joining the project in January 2004 for a period of two years. The National Coordinator and other project-affiliated personnel participated in the work of the Secretariat for the Pacific Community related to the development of a coastal fisheries management plan for Niue. The IWP and SPC are working closely on this initiative - utilizing the two IWP villages as sites to pilot activities that can serve as a basis for the development of a coastal fisheries management plan for all 14 villages around Niue.

Palau: The fourth quarter in Palau was principally occupied with meetings with the communities at the two sites selected to host the community-based pilot activities of the IWP – Madalaii Hamlet on Koror and Ngarchelong State. The Palauan trainers who had participated in the third quarter train-the-trainer workshop in Yap facilitated these meetings. In addition to outlining the aims and objectives of the IWP, the meetings



included a preliminary analysis of waste-related issues at the communities using a problem tree analysis. A Local Project Committee has been established at Ngarchelong to assist with the design and implementation of Project activities. Community meetings usually involved senior officials including the Governor of Ngarchelong State and the Legislator for Madalaih.

The National Coordinator continued to promote the IWP through a range of activities including radio talk-back shows and several meetings convened to discuss related matters. These included meetings associated with the preparation of the National Biodiversity Strategy and Action Plan and the Solid Waste Development Plan Committee. The National Coordinator also met with officials from the newly established Division of Sanitation and Waste for Koror State during which it was agreed that Madalaih Hamlet would be used by the Division to pilot their own waste and sanitation activities as a supplement to the work being undertaken by the IWP. The National Coordinator continued to participate in the regular meetings of the National Environment Protection Council.

The National Coordinator continued to research opportunities for establishing partnerships with the IWP during the quarter. This included meetings with Japanese International Cooperation Association officials to discuss recycling activities and with representatives of the private sector responsible for promoting the “Retailer Plastic Bag Return Campaign”.

Papua New Guinea: PCU endorsed a request from IWP PNG for two Project Facilitators to be employed full-time. Employment contracts were drawn up for Mr. Mick Raga and Mrs. Helen Havora, cross-checked with relevant parties and signed with the Secretary, Department of Environment and Conservation. Both facilitators have already contributed significantly in progressing the work of IWP PNG.

After a lengthy evaluation, screening and collection of additional data exercise, the National Task Force (NTF) finally met 20th October, 2003, and selected Barakau village as host site of the pilot project. The decision was announced through a press release and all EoI applicants were notified individually in writing.

An initial Local Project Management Committee was created and the first committee meeting was held 26th November, 2003. The role of the committee was explained and it was advised that NTF’s endorsement on the composition of the committee would be sought. The people of Barakau assisted preparations for the official launching the project. The launching ceremony on the 5th December proceeded very well with live coverage on radio FM 100. Other media representatives were also present to cover the event for their respective radio stations and newspapers. A building has been allocated to



the IWP PNG as a temporary office and residence. A pit latrine and outdoor bathroom are currently being constructed and a water tank will be installed in early January 2004.

The main activities planned for the first quarter of 2004 include baseline data collection and intensive awareness across the entire community on the objectives of IWP and the need for community-wide support. These will be followed by participatory problem analysis relating to waste management, and subsequently freshwater resources protection and sustainable coastal fisheries. Another important concurrent activity will be the identification of external support to complete the village's groundwater-based water supply system.

Samoa: The Samoa IWP continued the implementation of project activities associated with rehabilitating the degraded watersheds at Lepa and Apolima. The objective of these activities are to engage the community in activities that first identify the root cause for local watershed degradation and then support action to improve the quality of local freshwater resources.

The IWP team worked with the PCU and a social marketing expert on secondment from the New Zealand Ministry of Environment to explore opportunities for supporting behavioral change activities aimed at improving watershed management at the Apolima and Lepa sites. Rehabilitation planting commenced at both sites during the first week of December. The NTF visited both sites during the second week of December. Consultation on the draft legislative review from CEO's of government ministries, NGOs and the private sector was also conducted in early December. The final report will be published during the first quarter on 2004.

Solomon Islands: The Project commenced community consultations to flesh out details concerning the needs and approaches to fully engage the communities of Chea and Billy Passage in Morovo Lagoon in strategies to improve the management of their coastal fisheries resources. A community meeting was conducted to fully explain the project and the approach taken by IWP in implementing the Project. A local Project Coordinating Committee was established at both sites. Mr Naezol Ghele and Mr Lidon Soga were identified as local contacts at Chea and Billy Passage respectively. Mr Patrick Mesia, one of the participants at the Training of Trainers Workshop was engaged to oversee all arrangements for effective community engagement. The IWP Scholarship was re-advertised due to lack of response to the initial advertising. Four applicants have been short-listed and will be interviewed early January 2004. Mr Rama Va'a from the PCU visited Solomon Islands to install a desk top accounting package and train local staff in its use. Work to identify other groups who are either already working in Morovo lagoon, or who are undertaking similar work to that of the IWP elsewhere, has commenced with the objective of identifying opportunities for collaboration.



Tonga: The Administration Manager, Ms. Pelenatita Kara resigned to take up a new position with the Department of Inland Revenue. Her post will be re-advertised in early 2004. A draft report for the Participatory, Awareness and Engagement Workshop held at Nukuhetulu village in September 2003 is close to completion with constructive comments and inputs from various colleagues.

The Nukuhetulu Project Development Team (NPDT) recruited and worked closely with two local consultants to plan and carry out a baseline survey and waste audit study for Nukuhetulu village. The survey was completed in the first week of December. The results of the surveys are currently being analyzed. A new website for the Department of Environment has been designed by a local consultant. The website (www.environment.gov.to) will be launched in early 2004. The IWP contributed to the development costs of the site and will share administrative costs with other projects of the Department.

Tonga has selected two candidates for the IWP scholarship award. The first candidate has one year to complete a PhD at the University of the South Pacific on marine pollution – with particular emphasis on the Nuk’alofa waterfront and Fanga’uta lagoon – where the Nukuhetulu community is located. The second candidate having one year to complete a PhD at Auckland University on pesticides and the impact of pesticide use on groundwater quality.

Tuvalu: During the third quarter the National Coordinator had re-submitted the site selection recommendation of the National Task Force to Cabinet for endorsement. Cabinet subsequently selected two communities to host the community-based pilot activities of the Project - Funafuti village and Motufoua Secondary School. As there appeared to be some hesitancy on the part of the Funafuti community to engage in the Project, resulting in some delays in early November members of the PCU and local IWP staff explored ways to speed up the community engagement process. This led to the hiring of two local consultants who had been involved in the train-the-trainer workshops in Fiji earlier in the year to facilitate two Participatory Problem Analysis (PPA) workshops for the community to identify possible problems and solutions to the wastewater problem exist in Funafuti. A significant finding of the workshops was the apparent low level of appreciation within the community generally for the impacts of surface contaminants, such as sewerage, on the quality of groundwater resources.

The National Coordinator also visited Motufoua Secondary School site during the quarter to assist a government task force investigate reasons for contamination of groundwater resources at the school. The outcome of the visit was an initial project concept for the Motufoua site. This was drafted with the assistance of the Director of Works, Director of Education, Director of Health and the Director of Environment.



Four local consultants completed work commenced in the third quarter relating to:

- updating the PCU First Country Visit Report,
- translating the FAQ sheet to Tuvaluan,
- to compile a profile of locally-based non-government organizations, and
- to complete a profile of the Tuvalu Government.

The Government formally endorsed Fuli Alovaka for the award of the IWP Scholarship. Fuli has a double major in maths and chemistry from USP. He had expressed interest in pursuing a Masters through the Chemistry Department at USP. Fuli plans to undertake research on water quality at the community site for the IWP. This will add value to the IWP by contributing to the technical aspects of the Project as well as providing Fuli with a career advancement opportunity.

The National Task Force met twice during the quarter. The National Coordinator worked with Government officials to formulate a National Water Policy. A pilot project development team was also formulated to start working on the second proposed pilot project.

Vanuatu: The 6th National Task Force (NTF) meeting was held 2nd October to select the IWP pilot project site. The information gathered during site visits and the criteria set in the IWP guidelines assisted the NTF to select the Crab Bay community to host the IWP pilot project. The community selected is in Malampa Province. With the assistance of Provincial officials the community has initiated a Locally Managed Marine Protected Area within the harbour. The objective of the LMMA is to allow local stocks of crabs, mangrove and reef fish to re-establish after significant periods of depletion caused by heavy subsistence fishing.

During the one-week initial community consultation at the end of October, the National Coordinator held meetings with local and provincial authorities to establish contacts, raise awareness on the project and research arrangements for implementing the IWP project in the Crab Bay community. Nine villages are involved in the setting up of the Crab Bay Locally-managed Marine Protected Area. Village meetings were conducted in each of the nine villages as part of the awareness-raising efforts.

During the quarter a draft of the review of environment-related legislation for Vanuatu was completed. This work is being undertaken by lawyers attached to the Legal Unit at the University of the South Pacific's Vanuatu Campus.

Future work at the community will include participatory problem analysis and the completion of baseline work that will include a description of monitoring activities to assist in evaluating the impact of the Project. Much of the community consultative work



will involve Vanuatu participants to the Train-the-trainer workshop that was held in Port Vila during the third quarter.

Supplementary work

Train: Sea: Coast

The PCU, working in collaboration with the United Nations Division of Ocean Affairs and the Law of the Sea, under the Train:Sea:Coast project, and the University of the South Pacific (USP) completed the design of a 3-week course focusing on community-based resource economics. The course was developed following a recommendation by IWP National Coordinators at the Second National Coordinators Meeting held in Apia in November 2002.

The subject matter experts (SME) selected to develop the Course were resource and environmental economists, Dr Padma Lal, Mr Isoa Korovulavula and Ms Paula Holland, a community development specialist, Dr Meg Keen and pedagogic expert Ms Teresa Yeo. The SMEs were assisted by Dr Joeli Veitayaki, Curriculum Development Unit (CDU) leader from the USP and Mr Allan Resture, a lecturer in the Marine Studies Programme at USP.

The outline for the Course is:

- Module 1: The Project Cycle – an economic approach
- Module 2: Situation Analysis
- Module 3: Environment, People and Markets
- Module 4: Incentives for Sustainable Resource Use
- Module 5: Management Instruments
- Module 6: Feasibility Assessment of Possible Solutions and Options
- Module 7: Economic Monitoring and Adaptive Management
- Module 8: Review of applied economics in community based project management

The first delivery of the Course is planned for February 2004 at USP.

Regional Re-cycling Study

There were no developments in relation to this study during the quarter. This study, being undertaken in collaboration with SPREP's Waste Management and Pollution section, is focusing on waste oil recycling in Federated States of Micronesia, Palau and Marshall Islands. The trans-boundary movement of waste oil will be subject to the Waigani and Basel Conventions. The waste oil recycling plant in Guam is still not operational and this is delaying further progress with the feasibility study. The



difficulties are associated with acquiring the required permits with the Guam and Federal Environment Protection Authority. This is apparently due to the possibility that the recycled oil has not fully met technical specifications to allow for resale. Project proponents continue work on improving the recycling process at the Guam plant in order to meet these technical specifications.

The next year

For all participating countries 2004 will be something of a watershed. With host sites now selected, Project activities in 2004 will focus on:

- Identification and achievement of outcomes associated with:
 - Social assessment and stakeholder participation – particularly in respect of building capacity for participatory situation analysis;
 - Financial and economic analysis of options to address the root cause for environmental problems;
 - Descriptions of baseline situations;
 - Development and implementation of monitoring and evaluation activities, with a focus on local stakeholder involvement;
 - Communications including social marketing and community education;
 - Knowledge management;
 - Documentation of lessons learned in implementation of the IWP to date;
 - Researching and strengthening partnerships – with other SPREP projects, other external stakeholders including national and regional non-government organizations, and in collaborating Lead Agencies and associated government departments;
 - Increased attention to higher-level policy and institutional issues associated with the focal issues being addressed in IWP participating countries; and
 - Promoting integrated coastal and watershed management issues locally, nationally, regionally and/or internationally.



Implementation Status

Table 1. Summary of status of initial project activities

Country	Government profile	NGO profile	Environmental legislation review	Review of priority environmental concerns completed	National Communication strategy	Initial Stakeholder Assessment	Project Database
Cook Islands				✓	✓	✓	
FSM				Not done	✓	✓	
Fiji	✓	✓	In preparation	✓	✓	✓	✓
Kiribati				✓	✓	✓	
Marshall Islands				✓	✓	✓	
Nauru				✓	✓	✓	
Niue	✓	✓		✓	✓	✓	
Palau				✓	✓	✓	
PNG				✓	✓	✓	
Samoa			✓	✓	✓	✓	
Solomon Islands				✓	✓	✓	
Tonga	✓	✓		✓	✓	✓	✓
Tuvalu	✓	✓		✓	✓	✓	
Vanuatu	✓	✓	In preparation	✓	✓	✓	✓

Table 2. Progress of International Waters Programme (as at 31st December 2003)

Country	MoU signed	National Coordinator recruited	National Task Force (or equivalent) established	Expressions of interest from communities	Pilot project appraisal	Host community selected
Cook Islands	Mar 02	Oct 02	✓	✓	Complete	Takuvaine
FSM	Nov 01	Sept 03	✓	✓	Complete	Gagil, Rumung, Maap and Gilman
Fiji	Oct 01	Jun 02	✓	✓	Complete	Vunisinu Rewa
Kiribati	Sept 01	Oct 03	✓	✓	Complete	Ununiki
Marshall Islands	July 01	Jan 03	✓	✓	Complete	Jenrock
Nauru	Feb 02	Apr 02	✓	✓	Complete	Bauda
Niue	Nov 01	Feb 02	✓	✓	Complete	Makefu and Alofi North
Palau	Oct 01	Mar 02	✓	✓	Complete	Ngarchelong and Madalaii
PNG	Mar 02	Jun 02	✓	✓	Complete	Barakau
Samoa	Jun 01	Dec 01	✓	✓	Complete	Apolima and Lepa
Solomon Islands	Mar 02	Aug 02	✓	✓	Complete	Chea and Billy Passage
Tonga	Nov 01	Feb 02	✓	✓	Complete	Nukuhetulu
Tuvalu	Mar 02	Apr 02	✓	✓	Complete	Alapi/Senala
Vanuatu	Mar 02	Jul 02	✓	✓	Complete	Crab Bay



Table 3. Selected IWP Focal Areas

Participating Country	IW Focal Area			
	Freshwater	Waste	MPA	Coastal fisheries
Cooks Islands	●			○
FSM			●	○
Fiji	●	○		○
Kiribati	○	●		
RMI		●		
Nauru	○	●		○
Niue				●
Palau		●		
PNG	●	●		●
Samoa	●			
Solomon Islands				●
Tonga	○	●		
Tuvalu	○	●		
Vanuatu	●			●

[● primary focal issue; ○ secondary]



Programme Staff

A listing of Programme staff as of December 31st 2003

Table 1. Staff associated with national components of the IWP/SAP.

Country	National Coordinator	Assistant
Cook Islands	Tauraki Raea	
Federated States of Micronesia	Vitus Foneg	
Fiji	Sandeep Singh	Kelera Vunitutu
Kiribati	Ritia Bakineti	Arawaia Moiwa
Marshall Islands	Tarry Lani	Erica DeBrum
Nauru	Greta Harris	Serenaid Dowabobo
Niue	Sione Leolahi	Logopasi Seumanu
Papua New Guinea	Narua Lovai	Annie Kauilo
Palau	Joseph Aitaro	
Samoa	Faraimo Tiitii	Petaia I'amafana
Solomon Islands	Kenneth Bulehite	Corina Rechenberg
Tonga	Sione Fakaosi	
Tuvalu	Kelesoma Saloa	Falealili Uili
Vanuatu	Leah Nimoho	Primrose Malosu

Table 2. Project Coordination Unit staff based in Samoa.

PCU Staff	Name
Project Manager	Andrew Wright
Community Assessment and Participation Specialist	Dr Natasha Stacey
Natural Resource Economist	Paula Holland
Community Communications Specialist	Samson Samasoni*
Programme Assistant	Rosanna Galuvao
Programme Accountant	Rama Va'a

* Advised of his intention to resign in February 2004



Publications (2000-2003)¹

International Waters Programme. (2001). Inception Report. United Nations Development Programme and the South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. 70 pages.

International Waters Programme. (2001). Administration Procedures for National Coordinators and Participating Countries. United Nations Development Programme and the South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. 20 pages, 13 Appendices.

International Waters Programme. (2001). *First Regional Task Force Meeting. 26-27 March 2001, Apia, Samoa.* South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. 23 pages.

Crennan, L. and G. Berry. (2002). A synopsis of information relating to waste management, pollution prevention and improved sanitation with a focus on communities in the Pacific Islands region. In. Wright, A. and N. Stacey. (Eds.). *Issues for Community-based Sustainable Resource Management and Conservation: Considerations for the Strategic Action Programme for the International Waters of the Pacific Small Island Developing States.* Volume 3. IWP Technical Report 2002/03 108 pp. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa. 6 volumes.

Dalzell, P. and D. Schug. (2002). A synopsis of information relating to sustainable coastal fisheries. In. Wright, A. and N. Stacey. (Eds.). *Issues for Community-based Sustainable Resource Management and Conservation: Considerations for the Strategic Action Programme for the International Waters of the Pacific Small Island Developing States.* Volume 4. IWP Technical Report 2002/04, 38 pp. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa. 6 volumes.

Falkland, T. (2002). A synopsis of information relating to the quality of freshwater and watershed management issues in the Pacific Islands region. In. Wright, A. and N. Stacey. (Eds.). *Issues for Community-based Sustainable Resource Management and Conservation: Considerations for the Strategic Action Programme for the International Waters of the Pacific Small Island Developing States.* Volume 2, IWP Technical Report 2002/02, 128 pp. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa. 6 volumes.

¹ This list does not include all publications produced by national units of the Programme.



Huber, M. and K. McGregor. (2002). A synopsis of information relating to marine protected areas. In. Wright, A. and N. Stacey. (Eds.). *Issues for Community-based Sustainable Resource Management and Conservation: Considerations for the Strategic Action Programme for the International Waters of the Pacific Small Island Developing States*. Volume 1. IWP Technical Report 2002/01, 132 pp. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa. 6 volumes.

International Waters Programme (2002). Guidelines for the Initial Phase of the International Waters Programme: In-country Arrangements, Review of Priority Environmental Concerns and Selection of Pilot Projects. Version 1.04. South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. May 2002. 33 pages.

International Waters Programme (2002). Social Assessment and Participation Strategy. Version 1.00. South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. March 2002. 55 pages.

International Waters Programme (2002). Communication Strategy. Version 1.02. South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. March 2002. 29 pages.

International Waters Programme. (2002). Gender Policy, Draft Version 1.0. South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. April 2002. 12 pages.

International Waters Programme. (2002). First National Coordinator's Meeting. 29 April – 3 May 2002, Apia, Samoa. South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. 42 pages.

International Waters Programme. (2002). Justification for a Programme Extension. United Nations Development Programme and the South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. 53 pages. [presented as Annex 12 to the Project Document].

International Waters Programme. (2002). First Multipartite Review Meeting Summary Report. 25 July 2002, Majuro, Republic of Marshall Islands. South Pacific Regional Environment Programme, International Waters Programme, Apia, Samoa. 15 pages.

Lal, P. and M. Keen. (2002). Economic considerations in community-based project planning and implementation. In. Wright, A. and N. Stacey. (Eds.). *Issues for Community-based Sustainable Resource Management and Conservation: Considerations for the Strategic Action Programme for the International Waters of the Pacific Small*



Island Developing States. Volume 5. IWP Technical Report 2002/05 56 pp. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa. 6 volumes.

Whyte, J. (2002). A review of lessons learned and best practice in integrated coastal watershed conservation and management initiatives in the Pacific Islands region. In Wright, A. and N. Stacey. (Eds.). *Issues for Community-based Sustainable Resource Management and Conservation: Considerations for the Strategic Action Programme for the International Waters of the Pacific Small Island Developing States*. Volume 6. IWP Technical Report 2002/06 88 pp. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa. 6 volumes.

Wright, A., P. Holland, N. Stacey and S. Samasoni. (2002). A New Initiative in Community-based Sustainable Resource Use and Conservation: The Pacific Islands International Waters Programme. *Development Bulletin*, 58, 99-101. *Special Issue: Environmental sustainability and poverty reduction: Pacific issues*. Development Studies Network, Research School of Social Sciences, Australian National University, Canberra, Australia.

International Waters Programme. (2003). Economic Strategy, Version 1.00. The International Waters Programme, South Pacific Regional Environment Programme, Apia, Samoa.

International Waters Programme. (2003). Guidelines for the Initial Phase of the International Waters Programme, Working Draft, Version 1.05, Project Coordination Unit, Strategic Action Programme for the International Waters of the Pacific Small Islands Developing States, SPREP, March, Samoa.

International Waters Programme. (2003). Integrated Coastal Watershed Management, Sustainable Coastal Fisheries and The International Waters Programme, paper presented to the South Pacific Commission Regional Policy Meeting on Coastal Fisheries Management, 17-21 March 2003, Fiji Mocambo, Fiji, IWP SPREP.

International Waters Programme - Solomon Islands (2003). Solomon Islands Experience In Community And Related Coastal Fisheries Management, paper presented to the South Pacific Commission Regional Policy Meeting on Coastal Fisheries Management, 17-21 March 2003, Fiji Mocambo, Fiji, IWP Solomon Islands.

International Waters Programme - Niue (2003). The Niue Experience in the Involvement of communities, paper presented to the South Pacific Commission Regional Policy Meeting on Coastal Fisheries Management, 17-21 March 2003, Fiji Mocambo, Fiji, IWP Solomon Islands.



International Waters Programme. (Draft). Monitoring and Evaluation Plan. Version 1.01, Project Coordination Unit for the Strategic Action Plan for the International Waters of the Pacific Small Islands Developing States, SPREP, March, Samoa.

IWP/ANU/USP (2003), TRAIN:SEA:COAST. Community-based Resource Economics Course Development Mission Report: 10-14 February 2003.

Stacey, N and Samasoni, S. (2003). Communications and Community Participation in the International Waters Programme: Strategies, activities and lessons learned. *Development Bulletin*, No 63; 91-94. [Special Issue on Water, Governance and the Political Economy: Water Security and Poverty Reduction in Asia-Pacific, Development Studies Network. Based on paper presented by Ms Sandeep Singh, International Waters Project, Fiji at Workshop on Water Communication and Community: practical strategies for achieving equitable and sustainable water use in the Pacific, University of the South Pacific, 11-12 September 2003, Suva, October 2003.]

Mahanty, S and N. Stacey. *et al.* (2003)(draft). Resource Kit on Social Assessment and Planning for Participatory Natural Resource Management in the Pacific. SPREP, Apia, Samoa.

Menzies, S. (2003)(draft). Toolkit for Social Marketing in Community-based Resource Management Initiatives in the Pacific Islands. SPREP, Apia, Samoa.

Stacey, N. (2003). The Pacific International Waters Project: Aims, Approaches and Challenges in Addressing Management of Waste and National and Local Levels. Paper presented at the International Conference on the Sustainable Development of the East Asian Seas, Putrajaya, Malaysia, 8-12 December 2003.

Wright, D. (2003). Coastal Zone Management in the Pacific Islands Region: issues for improved harmonisation and implementation. Draft discussion paper prepared for an informal brainstorming meeting, Suva, Fiji 10-12 December 2003.

Wright, D. (2003). Cooperative Framework for Ocean and Coastal Management in the Pacific Islands: effectiveness and constraints. *Paper presented at the International Conference on the Sustainable Development of the East Asian Seas*, Putrajaya, Malaysia, 8-12 December 2003.



Meetings, Conferences and Workshops (4th Quarter 2003)

The Sixth Water Information Summit, 9-12 September 2003 and Knowledge Management Training Workshop, 15-17 September 2003, Delft, The Netherlands.

The Sixth Water Information Summit (WIS-6), 9-12 September, hosted by the IRC, International Water and Sanitation Centre at the UNESCO-IHE Institute, focussed on strategies to overcome the digital divide and to share knowledge and information in support of integrated water management and shared transboundary water resources. Samson Samasoni, the IWP's Community Communication Specialist, represented the Project at the meeting with funding support from IW:LEARN.

The Summits brought together water information users and providers to discuss the state of the art and trends in knowledge management, the application of web-based technologies to the effective distribution of information, and the formation of partnerships and networking communities. Feedback from the Third World Water Forum was presented, including the prototype Water Portal of the Americas, a regional collaborative initiative designed to make it easier to find and share water-related information: www.waterportal-americas.org

Working groups discussed topics including e-learning, water portal development and maintenance, adoption of metadata standards, and water information assistance services - such as help desks. The reports of the groups were reported to the entire assembly.

A Knowledge Management (KM) Workshop, 15-17 September 2003, provided hands-on KM training to supplement the WIS-6 theme "Breaking the Barriers: let water information flow." Knowledge Management (KM) was identified as one of the three priority needs at the last Global Environment Facility International Waters Conference held at Dalia, China in 2002. Participants developed customized plans to strengthen their organizations' KM activities, including web site and database development, information standards and documentation, and connectivity.

Social Marketing for Social Profit Conference, Wellington, New Zealand, 16 and 17 October 2003.

As part of a strategy to build up a pool of social marketers in the Pacific, three Pacific environmental educationalists (from Fiji, Vanuatu and Palau) were invited by SPREP to be part of a delegation to attend the Social Marketing for Social Profit Conference in New Zealand in October 2003.



SPREP's Education and Awareness Officer, Seema Deo, and IWP Community Communications Specialist, Samson Samasoni led the team. With considerable logistical and administrative support from the New Zealand Ministry of Environment they hosted side meetings with the environment educators throughout the Conference.

In addition to learning new initiatives in the area of social marketing, national environment education practitioners were invited to participate to increase their exposure to the concepts of social marketing as a framework and communications tool for behaviour change. It is hoped that, during 2004, this initial group will be offered further opportunities to become effective champions/resource people for future social marketing training opportunities and activities developed by SPREP.

International Conference on the Sustainable Development of the East Asian Seas, Putrajaya, Malaysia on 8-12 December 2003

On behalf of the IWP the Community Assessment and Participation Specialist, Dr Natasha Stacey, attended the "International Conference on the Sustainable Development of the East Asian Seas Congress", 8-11 December, 2003, Malaysia. This conference was hosted by the "Partnerships in Environmental Management for the Seas of East Asia" (PEMSEA) Initiative. This trip was funded under the GEF IW: Learn Project Inter-Project Stakeholder Exchange Pilot Program. The objective of the exchange was to enhance project experience, lessons learned and expertise between the Pacific IWP and PEMSEA, a GEF funded Programme operating in 12 Asian countries.

A presentation titled "The Pacific International Waters Project: Aims, Approaches and Challenges in Addressing Management of Waste and National and Local Levels" was presented during the Workshop on Land-based sources of Pollution. The presentation highlighted the IWP focus on integration of social assessment, stakeholder participation, resource economics and communications (public relations, social marketing and community education) to engender behavioural change in waste management. A full report on the exchange will be available in first quarter of 2004.

During the Congress, Dr Stacey also presented a paper on behalf of the IWP Project Manager titled "Cooperative Framework for Ocean and Coastal Management in the Pacific Islands: effectiveness and constraints". This paper provided an overview of the regional framework for cooperation on coastal and marine affairs in the Pacific Island region, highlighting on future challenges for integrated coastal management the ocean fisheries sector

Both papers will be prepared for publication in 2004 as part of a special issue of *Ocean and Coastal Management Journal*.



Coastal Zone Management Options in the Pacific Islands Region: issues for improved harmonisation and implementation, South Pacific Applied Geosciences Commission, 10-12 December 2003, Suva, Fiji

The Project Coordination Unit convened an informal brain storming session on integrated coastal and watershed management (ICWM) in the Pacific Islands region at the headquarters of the South Pacific Applied Geo-science Commission, 10-12 December. The meeting was convened to:

- Review available information (including definitions, terms and processes) relevant to coastal and watershed management in the Pacific Islands region;
- Complete a preliminary gaps and needs assessment to promote ICWM in the Pacific Islands region;
- Consider possible Pacific Island Regional Ocean Forum (PIROF) outcomes in relation to ICWM (particularly in relation to the proposed Framework for Action);
- Develop a strategy for promoting ICWM-related discussion during the PIROF to achieve those outcomes; and
- Assign roles, responsibilities and timeframes for implementing the ICWM strategy leading up to and including the PIROF.

The meeting was attended by 25 national, regional and international practitioners in ICWM. A report of the meeting will be posted on the SPREP website early in 2004. The PCU was represented by the Project Manager, Andrew Wright.

