



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

**Quarterly Progress Report
First Quarter 2004**

Integrated Coastal and Watershed Management Component

Key Points

Highlights this quarter included:

- In association with the United Nations Division of Ocean Affairs and the Law of the Sea (UN/DOALOS) and the University of the South Pacific (USP), the delivery of a course for economics in community-based resource management projects;
- Second phase of coastal resource baseline survey in Niue commenced;
- Further preparatory work to assess the economics of waste in Marshall Islands;
- PCU visits to Fiji and Niue;
- Palau and Federated States of Micronesia (Yap) National Coordinator visits to SPREP;
- Second visit of The Nature Conservancy staff to Yap;
- Sub-regional social marketing workshop held in association with SPREP staff;
- Participation in the Pacific Islands Regional Ocean Forum;
- Participation in a Planning Session for Phase II of the OFM component under PDF-B funding for development of a full project;
- Participation in SPREP Secretariat managed review of the Action Plan for Managing the Environment in the Pacific Islands Region;
- Disruptions to two Project sites (Niue and Vanuatu) due to major cyclones; and
- Recruitment of a Community Communication Specialist to the PCU.



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 progress in several areas during the quarter – the 15th 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 2003 (see Attachment A). The main activities being supported by Projects throughout the first quarter of 2004 included national coordinator participation in a new course for economic considerations in community-based resource management and conservation projects, developed under the IWP; further development of the social marketing kit (including a sub-regional workshop); stakeholder engagement activities; planning for participatory situation assessment initiatives with host communities and preliminary social, economic and biological baseline work across all 14 countries.

The Project Coordination Unit (PCU) participated in the Pacific Islands Regional Ocean Forum and, in collaboration with the University of Adelaide, commenced arrangements for an assessment of national and regional policy development and implementation issues associated with ICWM in a selection of IWP participating countries.

Further work towards preparing a Resource Kit for facilitators of participatory natural resource management initiatives in the Pacific with a focus on social context of resource management was undertaken. This collaborative initiative, with other SPREP projects and external stakeholders, is utilising the resource material prepared for the 2003 IWP Train-the-Trainer workshops as its primary source material.

A second Kit, aimed to support activities for piloting social marketing techniques in association with community-based resource management activities, was also progressed during the quarter. A sub-regional workshop, facilitated by the SPREP Environmental Education and Awareness Officer, and involving environmental communications personnel from Kiribati, Fiji, Palau, Cook Islands, and Vanuatu was successfully completed in Fiji.

The Train:Sea:Coast course on community-based resource economics was delivered to 19 practitioners from government agencies (including six IWP National Coordinators), non-government organizations and tertiary institutions in February at the University of the South Pacific (USP) Suva. The delivery was extremely well received. It will now be integrated to the USP's curriculum as an elective supplement for post-graduate environment management course work.

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 the review the Action Plan for Managing the Environment in the Pacific Islands Region and a new change-management process being sponsored by SPREP Management.

Implementation status

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

The release of this quarter’s communication products (introduced by the PCU in 2003) including: an electronic newsletter, voice conferencing through the internet, and the IWP web site at SPREP; was disrupted by the resignation of the Community Communication Specialist – effective February 2004.

During the first quarter of 2004 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 Resource Kit. The Kit was refined during a meeting of regional environmental education and awareness officers at Suva, Fiji in March. SPREP’s Environmental Education and Awareness Officer, Seema Deo, facilitated the Meeting. The result of this work will be a Social Marketing Kit scheduled for release in the next quarter.

For a third year in a row, the PCU distributed an annual IWP Calendar. The PCU also contributed general interest articles to the 2003 SPREP Annual Report.

Table 1. IWP 2002/2004 website statistics

| Activity | 2002 [Quarter] | | 2003 [Quarter] | | | | 2004 [Quarter] | | | |
|-------------------------------------|-------------------|-------|-------------------|--------|--------|--------|-------------------|---|---|---|
| | 3 | 4 | 1 | 2 | 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 (min) | 13:04 | 12:21 | * | 14:16 | 9:42 | 8:38 | * | | | |

* statistics unavailable at time of report preparation

Second quarter priorities

- Release of an electronic newsletter
- Finalization, distribution and testing of the Social Marketing Resource Kit;
- Further improvement of the IWP website;
- Increased attention to knowledge management within the Project;



- Identification of resources to support the development of an exchange program for communication managers associated with resource management initiatives in the region;
- Further 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 (in Yap, Palau and Niue).

Resource economic issues

The natural resource economist contributed to the first delivery of a new course for the Pacific – *Economics for community based environment and development projects in the Pacific*. The course was presented at the University of the South Pacific in Fiji (Suva) to 19 participants spanning 11 countries, seven NGOs and several Pacific island government departments. The course contained practical exercises to analyze case studies and focused on participant projects as well to enable participants to see how economics could be used to better plan their own projects.

The course was generally considered to be successful. The pedagogic expert attending the course and observing progress has recommended to U.N. Division of Ocean Affairs and the Law of the Sea (UN/DOALOS), as the principle course sponsors, that the course be validated. This means that the course materials would be available worldwide to Natural resource management practitioners to learn how to apply economic principles to their projects, and thereby improve the chances of success. In addition, the UN/DOALOS has given approval for the course material to be converted to a text book.

The Marshall Islands continues to collect comments on a draft scoping paper that was prepared by the natural resource economist in November 2003. The scoping paper considers the availability of information in Majuro to enable an economic evaluation of waste in Majuro. Palau is also keen to undertake a study and this has been tentatively discussed with the PCU. The natural resource economist has now drafted terms of reference for the studies and has identified potential consultants to assist.

The natural resource economist has also been involved in a number of collaborative activities this quarter:

- The development of a Resource Kit for facilitators in participatory natural resource management for the Pacific. This manual is a collaborative effort between the IWP and broader SPREP programmes;
- The development of a manual for socio-economic assessment of subsistence and small-scale artisanal fisheries. This manual is being developed by the SPC – see Social Assessment and Participation section;

Next quarter priorities:

- Completion of the scoping study on the economic evaluation of waste on Majuro. Also commence the formal evaluation itself;



- Visit to Tonga to assist in an economic root cause analysis of waste problems (April);
- Visit to New Caledonia to identify economic information needs for fisheries management with the SPC (June);
- Visit to Papua New Guinea and the Solomon Islands to assist in commencing economic data collection and root cause analysis related to waste and fisheries (June);
- 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

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 (this quarter in particular to Niue, Fiji, Kiribati, FSM, Palau, and Samoa).

Assistance and advice has been provided to Niue during this quarter on planning of stakeholder consultations and coastal resource baseline assessment in the IWP pilot sites post cyclone Heta.

During this quarter the ‘Resource Kit for Facilitators of Participatory Natural Resource Management in the Pacific’ was completed. The kit should be available through the SPREP web page in early May. This kit is a collaborative effort between several SPREP Programmes and adapted from the 2003 IWP Train-the-Trainer Workshop materials.

The IWP-Kiribati (IWPk) requested SPREP assist in coordination and delivery of a training workshop on participatory planning processes at the national level similar to those carried out last year on a sub regional basis. This workshop will involve people who are currently or plan to be involved in supporting the work of the IWPk particularly to assist the community of Bikenibeu West, South Tarawa in the strategic planning and design phase of their pilot project. During the quarter the PCU secured the assistance of the Foundation of the Peoples of the South Pacific International (FSPI) and Partnerships in Community Development Fiji (old FSP Fiji) to design and deliver this workshop. The SPREP Resource Kit will be used as the basis for training material for the workshop that will be held in late April 2004.

The Resource Kit is intended to support local facilitators in undertaking various participatory planning activities with local stakeholders for natural resource management (NRM) projects and programs in the Pacific region. It is modular-based and focuses on main stages in planning and implementing a project for sustainable



natural resource management in a participatory and learning orientated way. The six modules are:

- Module 1: Introduction
- Module 2: Engaging stakeholders
- Module 3: Learning about NRM Problems
- Module 4: Learning about the social context
- Module 5: Planning for Change
- Module 6: Planning for Action

Each module contains background introduction on the key phases of a NRM program; conceptual information to provide an understanding of the purpose and uses of the methods provided; case and issues boxes and practical activities that are to be used by facilitators in workshop situations and checklists to help facilitators plan their work. 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.

The Community Assessment and Participation Specialist and Natural Resource Economist have been collaborating with SPC on the development of a manual for socio-economic assessment of subsistence and small-scale artisanal fisheries. It is anticipated the manual will be available mid 2004.

Priorities for the next quarter:

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

Administrative Issues

Staffing

A new Community Communication Specialist, Mr. Steve Menzies, was appointed during the quarter. He will commence duties with the Project in late April.

A list of Project staff is presented at Attachment B.

Consultancies (arranged through the PCU)



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

- Through an arrangement with the New Zealand Ministry of Environment, Mr Steve Menzies, Communications Expert, continued work on the development of the Social Marketing Resource Kit for community-based resource management and conservation initiatives in an island context. The development work took place during a sub-regional development workshop at Suva, Fiji.
- Dr David Fisk returned to Niue to undertake a second phase of the marine baseline assessment for the Niue IWP during early March. Following the devastation caused by Cyclone Heta in early January 2004, the assessment was expanded to include a broader national assessment of the state of the coastal environment at Niue. The original baseline work was confined to the two sites hosting the community-based activities of the Project on Niue - Alofi North and Makefu.
- Dr Sango Mahanty continued to work on the final drafting of the 'Resource Kit for Facilitators of Participatory Natural Resource Management in the Pacific'.

Financial

Table 2. Disbursements to participating countries January 2000 to March 2004

| Participating Country | 2000 | 2001 | 2002 | 2003 | 2004 | Total |
|-----------------------|----------|---------------|----------------|----------------|----------------|------------------|
| Cook Islands | 0 | 0 | 24,421 | 48,357 | 4,000 | 72,778 |
| FSM | 0 | 0 | 48,787 | 6,411 | - | 55,198 |
| Fiji | 0 | 7,029 | 42,162 | 44,943 | 32,736 | 95,366 |
| Kiribati | 0 | 0 | 62,531 | 49,635 | - | 112,166 |
| Marshall Islands | 0 | 1,000 | 27,556 | 65,304 | 8,700 | 93,860 |
| Nauru | 0 | 0 | 59,830 | 14,253 | - | 74,283 |
| Niue | 0 | 12,726 | 81,469 | 79,349 | 67,432 | 173,545 |
| Palau | 0 | 0 | 35,027 | 74,052 | - | 109,079 |
| Papua New Guinea | 0 | 0 | 37,387 | 112,539 | - | 149,926 |
| Samoa | 0 | 1,000 | 36,158 | 54,174 | 5,400 | 91,332 |
| Solomon Islands | 0 | 0 | 40,349 | 63,823 | 24,400 | 104,172 |
| Tonga | 0 | 2,245 | 43,019 | 47,876 | 11,500 | 93,141 |
| Tuvalu | 0 | 0 | 34,610 | 55,777 | 37,195 | 90,387 |
| Vanuatu | 0 | 0 | 32,448 | 80,819 | - | 113,268 |
| TOTAL | 0 | 24,001 | 605,757 | 798,550 | 191,364 | 1,428,308 |

Country Visits



During the quarter PCU staff visited:

- Fiji (February and March);
- Niue (March).

In addition, the Project Manager participated in the first scoping workshop for the second phase of the Ocean Fisheries Management component of the Project. The meeting was convened by the Forum Fisheries Agency at Nadi, Fiji.

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 SPREP agency-wide initiative to improve the organization's information management.

In addition, an information management strategy has been drafted for inclusion in a Monitoring and Evaluation Plan being refined for the Project.

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 of 2003.

During the first quarter of 2004, Tonga confirmed support for two students to enable them to complete their studies in the areas of broad interest to the Tonga IWP – prevention of the degradation of water quality from, in the case of one student, marine pollution, and the other, agricultural chemical contamination of groundwater.

Also during the quarter Fiji selected a student to examine integrated coastal and watershed management policy and practice, Cook Islands selected a student to examine linkages between activities in the Takuvaine watershed and coastal fisheries and Solomon Islands and Vanuatu were in the final stages of student selection.

Country Activity

Cook Islands: A new recruit joined the IWP this quarter. Deyna Marsh, a USP Fiji graduate, is now the Assistant Coordinator for IWP CI.

Work this quarter focused on community consultations and information collection. In January work commenced on a socio-economic survey of the community at the host site. In addition, the National Coordinator and assistant conducted a number of visits to local schools to discuss watershed management (the focus of the IWP CI project).

An introductory National IWP newsletter was started for the Cook Islands this quarter. This newsletter was intended for distribution around the end of March. The National Coordinator also plans a newsletter in the local language for the sake of the local project committee and community members.

An environmental educator from the Environment Unit, Tukataranga, participated in a workshop in Suva, Fiji to develop a Kit for Social Marketing for community-based resource management initiatives in the Pacific Islands. The workshop was facilitated by SPREP/PCU and involved environmental educators from Vanuatu, Kiribati, Tonga, Palau and Fiji.

Two meetings of the NTF were convened.

Federated States of Micronesia: The Regional Director from the Palau office of The Nature Conservancy, Dr Andrew Smith, accompanied by Delegate Noah Idachong from the Palau House of Delegates, returned to Yap for a second visit in early January. The visit was a follow-up to a visit late in 2003 aimed at mapping out a work plan for the Yap project. Dr Smith and Delegate Idachong spent considerable effort reviewing institutional and coordination arrangements for the project within the Yap State Government, reviewing potential partnership arrangements with other stakeholders on Yap and assessing logistical, administrative and technical



requirements to support the project in the four communities selected to host the Yap IWP (Gagil, Rumung, Maap and Gilman).

The report of the visit formed the basis of discussion between the Yap IWP Coordinator, Mr. Vitt Foneg, and the PCU during a 2-week visit to Samoa in March. The orientation visit for Mr. Foneg involved an introduction to the social analysis and participatory strategies being advocated by the PCU to support community engagement in the project, discussion of economic issues associated with resource management and conservation and communications and induction to IWP/UNDP administrative processes and requirements. Utilising the draft work plan developed during Dr Smith and Delegate Idachong's visit, the PCU worked with Mr. Foneg to further elaborate a work plan for the Yap project for 2004.

Fiji: The early part of the quarter was taken up with administrative duties – such as preparation of end of year reports and preparation of the 2004 work plan and budget. Although the National Task Force met only once during the quarter (in March) the Project supported various committee meetings. These included meetings of the Project Development Team, the Scholarship Committee, the IWP Work Plan and Budget Committee and meetings with the Vunisinu community.

A new Chief Executive Officer, Mr. Cama Tuiloma, was also appointed to the Ministry and he required briefing on the activities of the IWP. In addition, the recruitment process for a consultant to undertake a review of environment-related legislation in Fiji was completed and work commenced. A draft report was submitted late in the quarter.

Community-based activities included awareness raising activities - including the preparation of a toolkit, took place during the quarter. Planning for community engagement activities, including preparations to contract a group to undertake facilitator training to support participatory project planning activities with stakeholders at Vunisinu, was also progressed during the quarter.

In relation to capacity building, the IWP scholarship student commenced work in February, the Assistant National Coordinator participated in the 3-week Train:Sea:Coast course on community-based resource economics at the University of the South Pacific.

Project staff participated in several Project-related workshops and meetings during the quarter including a marine environment conservation workshop in Japan, a mangrove and coral reef workshop organized by WWF in Fiji, a SPREP/PCU workshop on Social marketing and the Pacific Islands Regional Ocean Forum which was held at USP in the first week of March.



Environmental educators from Live and Learn Fiji, Sally Asker and Mitesh Mudliar, participated in the Suva workshop, to develop a Kit for Social Marketing for community-based resource management initiatives in the Pacific Islands.

Kiribati: While the National Coordinator took maternity leave in early January a preliminary socio-economic baseline survey for the West Bikenibeu was completed by a local consultant. The name of the host community was changed from Kaibangaki to Ununiki in an effort to minimize religious issues within the community in December 2003 and renamed Bikenibeu West to conform with Tarawa Urban Local Council administrative arrangements late in the first quarter 2004.

In addition to the socio-economic survey planning for a planning and training workshop on participatory planning processes for community-based natural resource management was progressed. The workshop will assist IWP-K staff to work with local community stakeholders to:

- Identify the root causes of problems of waste at Bikenibeu West; and
- Assist the IWP-K and local stakeholders identify and design pilot project activities for the IWP.

The project planning and training workshop will cover four key activities:

- Review work completed to date (e.g. preliminary stakeholder analysis; preliminary baseline survey report; awareness raising meetings held with community) and results under the IWP-K pilot project;
- Cover key participatory planning processes for community-based natural resource management projects related to the aims and objectives of IWP-K project and work completed to date;
- Identify gaps and future work required for IWP-K to refine its work plan for the remainder of 2004;
- Specifically train participants in participatory tools (e.g. Participatory Problem Analysis; Solution Trees; Participatory Impact Assessment, Project Mapping) needed to implement the work plan to complete the IWP pilot project strategic design and planning phase with the local community.

The workshop, drawing on trainers from Partnerships for Community Development (Fiji) will take place in Tarawa over two weeks from April 21st.

During this quarter a number of initial IWP awareness raising meetings were held with various stakeholder groups in the pilot project site. These were facilitated by IWP K staff with assistance from other personnel from the Environment and Conservation Division and other organizations in Kiribati.

A staff member from FSP Kiribati, Uarai Koneteti, also participated in the Suva Social Marketing Kit Development Workshop.



Marshall Islands: The National Coordinator continued to work closely with his Project Development Team within the Environment Protection Agency (EPA) Office during the quarter to progress awareness raising, water quality monitoring and waste management at the Jenrock community.

Through the informal Solid Waste Group the IWP continued to pursue a number of collaborative activities with different groups interested in improving the management of waste on Majuro. These include:

- A review of environment-related legislation in two phases - one generally broad covering all environment-related and resource management legislation and a second phase focusing on waste management;
- A preliminary socio-economic baseline study at the Jenrock community;
- A preliminary waste stream analysis at Jenrock;
- A pilot can recycling project in association with the College of Marshall Islands; and
- Pilot activities to raise awareness and promote community education – with an initial focus on the community at Jenrock and gradually increasing the target audience to the entire Majuro population.

An initial scoping report to assess the economic costs of waste to Majuro was circulated to all stakeholders late in 2003. This is currently being reviewed and additional information collected. Providing there is on-going support, the scoping work will lay the basis for a detail valuation of the costs of waste to Majuro. It is anticipated that, once completed this work will serve i) as an important means to increase political interest in improving waste management on Majuro and ii) as a pilot exercise that will attract a high level of interest from other countries participating in the Project.

Nauru: Apart from on-going internal review of the community waste stream analysis work undertaken in later 2003 there were no activities to report for the first quarter of 2004 for the Nauru-IWP.

Niue: During the quarter Niue IWP project staff were heavily involved in the recovery effort on the island following Cyclone Heta in January. The nation's economy was devastated by the cyclone – which arrived at the island the day after the New Zealand volunteer, Mr. Ron Paulin, commenced work with the project. Following the cyclone project staff assisted with an island-wide clean-up – particularly in respect to asbestos which was a component of many of the houses damaged during the cyclone. They participated in numerous meetings aimed at coordinating rehabilitation efforts – including one involving UNDP staff who traveled to the island in late January to coordinate UN assistance to Niue. In consultation with IWP staff, UNDP agreed to re-programming US\$20,000 of the Niue IWP budget to assist with rehabilitation efforts. The funds were to be applied to the restoration of offshore fish aggregation devices – to support the re-aggregation of pelagic fish stocks and reduce potential high levels of fishing in the heavily damaged coastal zone.



Representatives of the two villages hosting project activities, Makefu and Alofi North, signed a Memorandum of Understanding to participate in the IWP in March. This enabled a second visit by Dr David Fisk to undertake a baseline assessment of the coastal environment adjacent to the two village sites. Following the cyclone, in consultation with Niue Government officials and project staff, it was agreed that the baseline assessments would be extended so the survey could complete a broader initial assessment of the impacts of Cyclone Heta and the Niue coastal environment.

The Project Manager also visited Niue in March. In addition to following up on numerous administrative issues, particularly in relation to refining financial reporting, the Project Manager assessed the impact of Cyclone Heta on project implementation arrangements, briefed Niue officials on arrangements for the Multipartite Review tentatively scheduled for Niue in July and participated in the first National Task Committee Meeting for the year.

Palau: The National Coordinator for Palau spent three weeks in Samoa in February participating in a SPREP workshop on municipal waste funded by the Government of Japan and administered by SPREP. Waste is the focal issue being addressed by the Palau project.

During the quarter in Palau facilitators continued meetings with the communities at the two sites – Madalaih Hamlet on Koror and Ngarchelong State. Work involved preparations for an initial waste stream analysis, socio-economic assessments and awareness raising activities (in cooperation with SPREP Environment Education and Awareness Officer).

At Madalaih some initial work was commenced to assess prospects for a pilot initiative involving composting toilets. In addition, a literature review for Palau revealed that there is currently no state law relating to waste management. In association with this, the Palau-IWP is interested in undertaking an economic costing for waste in the country – similar to the current work underway in Marshall Islands.

An environmental educator from the Environment Quality Protection Board, Jane Olkeriil, participated in a workshop in Suva, Fiji to develop a Kit for Social Marketing for community-based resource management initiatives in the Pacific Islands. The workshop was facilitated by SPREP/PCU and involved environmental educators from Vanuatu, Kiribati, Tonga, Cook Islands and Fiji.

Papua New Guinea: The latter part of January and most of February was taken up with awareness sessions with the whole village community and later various sub-groups of community members to educate the people on the scope and objectives of the IWP pilot project.

The National Coordinator attended a three-week course on Community Resource Economics at the University of the South Pacific in Suva, Fiji. The course provided a sound grounding on the theoretical basis of a variety of economic analysis tools which



can be applied in village based projects to evaluate the feasibility of various remedial options for a environmental problems.

Another PNG participant at the course was Dr. Billy Manoka from UPNG. Dr. Manoka is a natural resource economist from Barakau village. He will be engaged as a resource person for IWP PNG to assist in problem analysis and feasibility assessments.

At the beginning of March, a water use survey was planned and training was provided to village youth to undertake the survey. The survey was undertaken and the data is currently being evaluated. In addition, preparations are underway for waste management, socio-economic and biophysical surveys.

Samoa: In association with the PCU, the Samoa IWP conducted a national social marketing workshop in January. Participants included officers from the lead agency, the Ministry of Natural Resources and Environment and the Samoa Water Authority.

In February the National Coordinator participated in the 3-week Train:Sea:Coast course for community-based resource economics at the University of the South Pacific in Fiji.

Activities in the communities at Apolima and Lepa have focused on assessing the impacts of Cyclone Heta which hit Samoa in January, reviewing social data for the two communities and planning an initial assessment of economic issues associated with community activities in the two watersheds.

No National Task Force Meetings were convened during the quarter.

Solomon Islands: Activities conducted this quarter have principally focused on community awareness raising and discussions related to logging around the host site. In addition, two students have been selected to share the IWP scholarship: a marine science student who will work with the IWP-SI assess fish aggregations around the host site (Marovo Lagoon); and a community development student who will assist in identifying options to support local incomes. Under the IWP SI, each student will receive assistance for one year. Each student is expected to spend one semester on campus and then do work at the project site.

The National Coordinator attended a training course in February 2004 on the economics for community base environment projects in the Pacific. A preliminary assessment of economic issues at the project site (Marovo Lagoon) is planned for June 2004.

Also in February 2004, the National Coordinator accepted an invitation to collaborate in a review of institutional arrangements in different countries in the Pacific. The study – to be conducted in collaboration with the University of Adelaide – will review and assess institutional arrangements affecting ICM.



Participatory problem analysis work that was planned for March 2004 was delayed due to the National Coordinator's involvement in ministerial discussions during February and March 2003. The discussions related to logging around the host site, their impact on the environment and approval by the host community for logging to occur.

Tonga: A final report documenting participatory activities conducted under IWP-Tonga was prepared this quarter. The report included an initial community profile, stakeholder analysis and the results of a participatory problem analysis in which the pilot community and other stakeholders attempted to identify the social and economic root causes of waste problems.

Following on from this work, the National Coordinator arranged for a socioeconomic and waste characterization survey. The findings in the report were presented to the Nukuhetulu community during a meeting in late March. The meeting was also aimed to validate baseline survey results. The final report should be available next quarter.

The National Coordinator attended a training course in February 2004 on economic considerations for community-based environment projects in the Pacific Islands region. Examination of economic issues will commence with the host community in April.

The post for the Administration Manager was re-advertised in March.

Two students were selected during the quarter to receive the Tonga IWP scholarship. The two students are: Mr. Sione Tu'itupou Fotu who is completing his Ph D at the USP on the impact of pollution from ships; and Mr. Viliami Kami, at the University of Auckland, who is focusing on the impact of pesticides in squash industries. These projects relate to the Nukuhetulu project by focusing on the degradation and quality of marine and coastal waters and of groundwater.

The IWP Tonga web site is in the final stage of development. The site will be launched in June during National Environmental Week.

Tuvalu: The National Coordinator completed a further visit to the Motufoua Secondary School to identify legitimate activities that conform to the intent of the Project in Tuvalu. The Department of Education has already commenced capital works to reduce liquid waste contamination to ground water at the school. Further work, possibly under an awareness raising and behavioral change pilot, is being considered.

The results of an initial participatory problem analysis were discussed with the community hosting pilot activities on Funafuti. In addition, following selection of local resource people to facilitate the work, the planning and implementation of an



initial baseline assessment, with a focus on socio-economic issues and waste, was commenced with the Funafuti community.

The National Coordinator attended the Train:Sea:Coast course on community-based resource economics in Fiji. In addition, the student selected to examine the relationship between waste contamination and freshwater quality at the Funafuti community commenced his project at the University of the South Pacific. The National Task Force met twice during the quarter.

Vanuatu: Vanuatu IWP's program during the first quarter of 2004 was disrupted by Cyclone Ivy which hit the islands in late February. This disrupted activities planned for the Crab Bay community – including a situation analysis workshop which has now been postponed until April. Mr. Wycliff Bakeo, a private consultant, was contracted during the quarter to develop materials for the training of local facilitators to undertake participatory situation analysis for the pilot project community activities.

Mr. Yoli Tom Tavala (USP senior law lecturer) and Ms. Marie Hakwa (Private Lawyer) were contracted in November 2003 to undertake a review of environment-related legislation. A draft report for the first phase of the assignment, an inventory and preliminary description of environment-related laws, regulations and responsible agencies, was circulated to stakeholders for comment. The second phase of the consultancy is to identify gaps, overlaps, duplication or conflict in any of the existing resource management legislation. A preliminary finding (in relation to the areas of interest to the Project) is that national legislation has not empowered communities and/or landholders with respect to local resource management. Final work on the review is currently in progress.

The National Coordinator attended the 3-week Train:Sea:Coast course on community-based resource economics organized by the PCU and the University of the South Pacific.

The first issue of IWP-Vanuatu Newsletter is currently being printed.

Supplementary work

ICM

SPREP and Adelaide University have developed a new collaborative research project that is concerned with understanding how the institutional arrangements and policy settings of different countries in the Pacific Islands region affect efforts to implement integrated coastal and watershed management. This relates directly to the objectives of the ICWM component of the International Waters Project, particularly recommendations from the 2003 Mid-Term Evaluation and the outcomes of the Pacific Islands Regional Ocean Forum that was convened at the University of the South Pacific in February 2004.



In late 2003, the PCU commenced an assessment of national and regional policy development and implementation issues associated with integrated coastal and watershed management. 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.

In February 2004, a Pacific Islands Regional Ocean Forum was convened and produced an Integrated Action Strategy to implement the Pacific Oceans Policy. This strategy emphasizes Integrated Coastal Management (ICM) as a major initiative for responding to ocean and coastal environmental problems. While important work has been undertaken in the Pacific region on different aspects of ICM, including the institutional arrangements of specific countries considerably less work has been undertaken on the transnational institutional dimensions. This research will assist fill this gap.

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.



Attachment A

Implementation Status

Table 1. Summary of status of initial project activities

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



Table 2. Progress of International Waters Programme (as at 31st March 2004)

| Country | MoU signed | National Coordinator or 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 | ✓ | Selection by the lead agency | | 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 March 31st 2004

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

| Country | National Coordinator | Assistant |
|--------------------------------|----------------------|-------------------|
| Cook Islands | Tauraki Raea | Deyna Marsh |
| Federated States of Micronesia | Vitus Foneg | <i>vacant</i> |
| Fiji | Sandeep Singh | Marilyn Cornelius |
| Kiribati | Ritia Bakineti | Arawaia Moiwa |
| Marshall Islands | Tarry Lani | Erica DeBrum |
| Nauru | Greta Harris | Serenaïd Dowabobo |
| Niue | Sione Leolahi | Logopasi Seumanu |
| Papua New Guinea | Narua Lovai | Annie Kauilo |
| Palau | Joseph Aitaro | No appointment |
| Samoa | Faraimo Tiitii | Petaia I'amafana |
| Solomon Islands | Kenneth Bulehite | Corina Rechenberg |
| Tonga | Sione Fakaosi | <i>vacant</i> |
| 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 | <i>Vacant</i> |
| Programme Assistant | Rosanna M. Galuvao |
| Programme Accountant | Rama Va'a |



Publications (2000-2004)¹

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



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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



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Meetings, Conferences and Workshops (1st Quarter 2004)

Pacific Islands Regional Ocean Forum, 2-6 February 2004, University of the South Pacific, Suva, Fiji.

The Marine Sector Working Group, a consultative group representing South Pacific regional organizations with a shared interest in ocean and coastal affairs, convened the Pacific Islands Regional Ocean Forum, 2-6 February, 2004. The aim of the Forum was to elaborate a Framework for Integrated Strategic Action (ISA) for priority issues required to achieve the goal of the Pacific Islands Regional Ocean Policy – a healthy Pacific Ocean.

Each day of the Forum was dedicated to discussion on one of the 5 Guiding Principles of the Policy. A series of key note addresses in plenary introduced the Principle to be considered that day. Eight simultaneous working groups (of 15 –20 participants) subsequently discussed issues relating to the Principle under consideration, and identified appropriate or possible responses to address the issue and mechanisms to achieve those responses. Plenary reconvened for a final session in the afternoon of each day to receive reports back from the working groups. Facilitators met each morning prior to Plenary to discuss how working group sessions were coping and to identify issues to raise with groups.

Several side events were arranged – one by the IWP on ICM. The IWP’s session involved four presentations aimed at raising awareness of ICM issues for subsequent consideration during the formulation of the ISA. Professor Leon Zann, the recently appointed head of Marine Studies at USP; Mary Power, Coastal Zone Management Specialist at SPREP, Gene Brighthouse from the American Samoan Ocean Management Programme and Dr Tim Smith from CSIRO Australia introduced key issues for ICM in the Pacific Islands region.

Social Marketing Toolkit Development, 5-12 March 2004, Suva, Fiji.

As part of the recently launched Pacific Social Marketing Initiative, SPREP and the International Waters Project have developed a draft Resource Kit for Social Marketing. The Kit was developed by SPREP/IWP in partnership with New Zealand’s Ministry for the Environment, in consultation with a small group of environmental education experts from the Pacific island region.

A consultative workshop held in Suva, Fiji in March brought together a larger group of education and communication experts from the region to help review the Kit and develop it into a resource that is practical and usable for others involved in community education and communication initiatives. Participants were selected on



the basis of their experience and involvement in education and communication work in their countries. Cook Islands, Fiji, Kiribati, Tonga, Vanuatu and Palau were represented in the workshop.

In the absence of a Community Communication Specialist at the PCU, SPREP's Environmental Education and Awareness Officer, Seema Deo, facilitated the workshop on behalf of the IWP with the assistance of Mr Steve Menzies, New Zealand Ministry of Environment.

Train Sea Coast course in economics for community based environment and development in the Pacific Islands Region, 7-27 February 2004, University of South Pacific, Suva, Fiji.

This course is the product of collaboration between:

- The Project for SPREP;
- the UN Division of Ocean Affairs and the Law of the Sea (who funded and coordinated development of the course);
- the University of the South Pacific (who hosted the course as the South Pacific 'Curriculum Development Unit' for UN DOALOS);
- ANU (who led development of the course); and
- UNCTAD/TRAINMAR (who provide pedagogic support to course development and delivery).

Development of the course took place over 18 months. The course was developed using the UN 'Train X' methodology which is a client focused approach. In this case, clients were identified as project managers for Pacific island community-based resource management and conservation projects. The job requirements of the clients are identified in relation to the course focus (economics) and a course is built specifically around those tasks with which clients are likely to need assistance. The result is a purpose-built course on the economic issues associated with community-based resource management and conservation projects.

UN DOALOS financed initial course delivery/validation, covering flight and DSA expenses for all involved. Attendees represented 7 countries, 3 CROP agencies (SPREP, USP, SOPAC), 4 NGOs and several government agencies across the region.

Municipal Solid Waste Management Workshop, 10th February – 9th March 2004, Apia, Samoa.

The Japan International Cooperation Agency and SPREP's Waste and Pollution Prevention Programme convened this workshop for 14 Pacific Island countries. The PCU facilitated one session of the workshop concerned with community-based waste management.

