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**Coastal Fisheries Programme  
Progress report for 2004  
under the CFP Programme Plan triennium 2003-5**

**Coastal Fisheries Programme  
Marine Resources Division  
Secretariat of the Pacific Community  
Noumea, New Caledonia**

[www.spc.int/coastfish](http://www.spc.int/coastfish)



**Coastal Fisheries Programme**  
**Secretariat of the Pacific Community**

**Progress report for 2004**  
**under the CFP Programme Plan triennium 2003-5**

**Mid-year progress report**

**July 2004**

**Mid-year report against the workplan for 2004**  
**Under the Programme Plan Triennium 2003-5**

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## **Part I: Introduction**

### **Mid-year report against the workplan for 2004**

#### **Under the Programme Plan Triennium 2003-5**

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##### ***Part I: Introduction***

###### **(a) The Plan**

This report is the third under the Coastal Fisheries Programme's Strategic Plan 2003-5 and the current three-year cycle of programme funding for the activities under the Plan. The report format includes all AusAID, Core and member donor programme (Australia, French and NZAID) funded activities, and also includes the special project activities under specific objectives being addressed by the integrated Coastal Fisheries Programme, and that are funded by SPC member, or other donors.

This mid-year report for 2004 adds an appraisal of progress to date against the workplan, and the end-of-year progress report will also include formal financial acquittals of funding to programme donors. Whilst this 2004 workplan will be superseded by a 2005 workplan, "Part III – Outputs planned for the triennium" will remain in place until a new triennial strategic programme plan is introduced in 2006, and incremental progress since the start of the triennium will be reported upon.

That having been said, the Strategic Programme Plan itself is a living document, and may change details during the course of the triennium, as approved by sectoral and governing councils, and in consultation with donor and client stakeholders. Objectives evolve as constraints and estimates are evaluated. The 6-monthly report will also be an opportunity to review the activities of the Annual Workplan at a greater level of detail than provided for by the triennial strategic plan. This Workplan is essentially a "tactical" Plan, and its main aim is to make all of the evolving activities of the Programme clear and accountable to all its direct stakeholders.

###### **(b) The Programme**

The SPC Coastal Fisheries Programme (CFP) is made up of six sections, which address the six main objectives of the Coastal Fisheries Programme Plan: Aquaculture, Development, Coastal Management, Training, the Reef Fisheries Observatory and Information. These sections work jointly to implement the overall programme.

More detail about the CFP itself can be gained from the Strategic Programme Plan ([www.spc.int/mrd/plans](http://www.spc.int/mrd/plans)) and from the CFP website ([www.spc.int/coastfish](http://www.spc.int/coastfish)) as well as from the documentation provided at regular meetings of the SPC Governing Council and Heads of Fisheries, but briefly:

*"The top priority of the region within the CFP mandate area, is "to optimise the value of small-scale fisheries and aquatic resource use in Pacific Island waters". The governments of small-island and developing nations are usually required by the electorate to take a very tactical approach to development in order to "kick-start" national economies and harness investment, and the top priority that usually emerges from broad regional fisheries reviews or polls of member countries is thus direct assistance in fisheries development. Regional intergovernmental organisations however are not ideally constituted to respond quickly to local enterprise development needs, and the SPC Governing Councils have steered the SPC toward assisting in the strategic, longer-term expression of this priority: the need for*

## Part I: Introduction

*information, advice and assistance about resources and mechanisms that promote a basis for fisheries development that is socially, ecologically and economically sustainable over the generational timespan.” (CFP Strategic Programme Plan)*

### (c) Working with other regional organisations

The aims of the CFP fall within an area that is defined not only by the expressed priorities and needs of member governments and administrations, but also by the functionality of other CROP agencies and SPC programmes working on ocean issues. At the regional intergovernmental level:

- the South Pacific Forum Fisheries Agency addresses regional highly migratory fisheries (principally tuna) management objectives and supports member governments in international fisheries negotiations;
- the SPC Oceanic Fisheries Programme addresses highly migratory fisheries and associated pelagic ecosystem scientific objectives (see OFP Strategic Programme Plan);
- the SPC Regional Maritime Programme addresses objectives specifically relating to seafarers and shipping, including fishing seafarers;
- the South Pacific Applied Geosciences Commission addresses objectives in oceanography, marine minerals and generally covers the non-living ocean and coastal environment;
- the University of the South Pacific addresses ocean-related higher education objectives, academic ocean research and, where specific expertise is held, the general provision of consultancy support towards the objectives of other agencies;
- the South Pacific Regional Environment Programme addresses ocean and coastal environmental management and protection objectives.

All of these agencies are part of the CROP Marine Sector Working Group (MSWG), with NGO observers participating as appropriate. Under the MSWG, regional issues are looked at in light of the different roles of the regional bodies, ensuring that duplication of effort is avoided while ensuring the appropriate organisation takes charge of specific tasks or needs as identified by the member governments and administrations. Therefore, the CFP works in its identified areas, often in collaboration with other agencies where there is overlapping responsibilities.

## **Part II: Outputs planned for the triennium 2003-5**

### ***Part II: Outputs planned for the triennium 2003-5***

This part II of the report is essentially a reiteration of the CFP Strategic Programme Plan, included here for the purpose of providing context and clarity to parts III and IV, which are the main “operative” parts of the report. This Part II describes the longer-term objectives, outputs and generic activities of the Programme over the course of the entire triennium 2003-5, whilst the following Part III provides more specific details about the specific activities and progress to be achieved during the current year, 2003.

### ***Component 1 – Aquaculture***

#### **General Comments**

The Aquaculture Section is the newest addition to the Coastal Fisheries Programme, arising as a result of a comprehensive needs assessment and frequent requests from PICTs for a regional level of support against the continual demands that are made on them by the ever-growing level of private-sector investment in aquaculture in the region. Rather than providing ad-hoc assistance to individual enterprises in the manner of many previous aquaculture support projects, most of which have proven to be unsustainable, the Section aims to support a strategic approach to aquaculture development by PICTs. In particular it aims to assist them in developing enabling environments for appropriate and sustainable aquaculture investment and in developing sectoral management frameworks that anticipate and avoid future problems rather than reacting to them. Aquaculture is still in its infancy in the region, as a result of export trade disadvantages and local market disadvantages due to the ready availability of seafood in most areas, and there is an opportunity to avoid the mistakes of some other regions as these disadvantages recede.

The Section collaborates with other institutions, particularly WorldFish Center (applied research on fish farming systems) and USP (aquaculture training and education) under the umbrella of the Regional Aquaculture Initiative, of which the section is the focal point.

The Aquaculture Section staff complement at the start of 2003 is two full time positions: Aquaculture Adviser, Mr Ben Ponia and Project Assistant, Ms Marie-Ange Hnaujie. It is anticipated that a third person will be recruited to the Section for a full time position as an Aquaculture Officer.

#### **Overall workplan by output**

Under the objective of the Aquaculture Section, three main outputs are focused on, with many specific activity areas and activities under each output.

## Part II: Outputs planned for the triennium 2003-5

### **CFP Objective 1 - A regional support framework for economically, socially and environmentally sustainable aquaculture planning, research and development by Pacific Island governments and private enterprises**

#### ***Output 1.1: Establishment and maintenance of a regional network of contacts as a means of exchanging ideas, knowledge and experience on Pacific aquaculture issues***

The main activity areas planned to achieve this output over the triennium are:

- Actively promoting the focal point at SPC for the Regional Aquaculture Network to help link and harmonise the activities of member countries and other agencies in the field of aquaculture;
- Development and maintenance of a web portal as a means of exchanging ideas, knowledge and experience on Pacific aquaculture issues, and maintain and disseminate appropriate information on aquaculture techniques and practices, including an Aquaculture Special Interest Bulletin; and
- Convening a regional meeting at least once during the plan period for the specific purpose of drawing together member countries and other participants in the regional aquaculture network to review and revise priorities and key commodities as necessary, and accordingly to agree on any modifications to the regional action plan.

Output performance indicator: *SPC regional aquaculture network significantly improves communication and information flow to those involved in practical aquaculture planning, development, & management, according to independent review and Heads of Fisheries Meeting consensus.*

#### ***Output 1.2: Establish & maintain regional support to Pacific Government departments and private sector operators, as appropriate, in the establishment of environmentally and economically sustainable aquaculture***

The main activity areas planned to achieve this output over the triennium are:

- Advice and assistance to governments in the design and implementation of practical aquaculture strategies, policies and plans; and
- Advice and assistance to Pacific Government departments and private sector operators to assess the viability of aquaculture proposals, in response to requests.

Output performance indicator: *SPC aquaculture programme is provides valid, useful, and rapid advice and assistance in response to appropriate requests, according to independent review and Heads of Fisheries Meeting consensus.*

#### ***Output 1.3: Development of the Pacific Island human resource base for aquaculture***

The main activity areas planned to achieve this output over the triennium are:

- Sponsorship and coordination of training and professional attachments in aquaculture, in collaboration with the SPC CFP Fisheries Training Section and USP as appropriate.

Output performance indicator: *Database of aquaculture expertise in the region covers 100% more people at the end of year 3 than at the end of year 1*

## **Part II: Outputs planned for the triennium 2003-5**

### ***Component 2 – Fisheries Development***

#### **General Comments**

The Fisheries Development Section is an outgrowth of one of SPC's longest-standing fisheries activities and is still considered in most member country prioritisations to be the Coastal Fisheries Programme's most directly useful function. The section specialises in hands-on assistance to enterprises in developing practical fishing skills, usually provided through the placement aboard of skilled fishermen (skilled both in education and fishing). While it provides an extremely well regarded and sought after economic development support service, this is also an effective vehicle for delivering the latest ecologically appropriate fishing techniques and bycatch mitigation measures.

SPC has long recognised that, in general, reef and lagoon fisheries provide extremely limited and ecologically risky engines for economic growth, and concentrates its fishing development activities on tuna fisheries – specifically small-scale and medium-scale longline fisheries producing high-quality export products, which have proven over the past decade to be the most appropriate entry point for most Pacific Island nations into oceanic commercial fishing. The Section also works with FFA and the SPC OFP in assisting PICT tuna fishery development planning, and does some experimentation of its own on the development of appropriate fishing methodologies as well as technology transfer.

The Section's aim is to provide assistance to both the private and public fisheries sectors, to develop economically viable, environmentally sustainable, fishing enterprises focusing on vessel operations, harvesting activities and post-harvest practices. These activities are primarily based on harvesting and using the region's large tuna resource, and increasing the economic returns that Pacific Island countries and territories receive through increased participation in tuna fishing in the region.

Another key (and highly-regarded) function of the Section is the production of practical fishing manuals, handbooks, brochures and posters, specifically targeted on the needs of Pacific Island commercial fishers.

The Section is made up of four full-time staff positions: Fisheries Development Adviser, Mr Lindsay Chapman; two Fisheries Development Officers, Mr Steve Beverly and Mr William Sokimi; and a Technical Support Officer, Ms Youngmi Choi. A collaborative project being developed with the Forum Fisheries Agency (FFA) would see an additional staff person recruited to the Section, a Fisheries Development Specialist.

#### **Proposed workplan and output**

Under the objective of the Fisheries Development Section, three main outputs are focused on, with many specific activity areas and activities under each output.

### ***CFP Objective 2 – Economically-viable and environmentally sound Pacific Island fishing enterprises***



## Part II: Outputs planned for the triennium 2003-5

### *Output 2.1: Development of economically and ecologically sustainable Pacific Island fishing enterprises*

The main activity areas planned to achieve this output over the triennium are:

- Hands-on training in sustainable fishing skills in Pacific Island enterprises through in-country expert placements in tuna catching methods (especially longlining); navigation and seamanship; vessel operating procedures; maintenance of vessel machinery and fishing equipment; and onboard handling, processing and icing of the catch to export standards;
- Training workshops on fishery development topics during some expert placements, in collaboration with the Fisheries HRD Section and other CFP Sections as appropriate.

Output performance indicator: *Enterprises assisted by the section remain sustainable, according to reasonable criteria of business success, and the Pacific Islands share of the value of regional tuna fishery landings and trade increases, according to overview information generated by FFA, SPC OFP and governments.*

### Output 2.2: Testing, development and publication of resource materials and case-specific advice on appropriate fisheries and fishing techniques

The main activity areas planned to achieve this output over the triennium are:

- Collating, writing and publishing: case studies based on in-country expert placement experiences and workshop results; generic technical manuals on different types of fishing, or fish handling practices; brochures and posters on topics relevant to the domestic commercial tuna fisheries in the region; funding proposals and progress reports; and results of other development activities, such as the FAD research project;
- Providing advice and information, in response to requests by, or through, members, on fishery development issues, particularly: fish aggregating device (FAD) materials, construction and deployment; appropriate fishing vessel parameters for different applications; deep-water snapper fishing gear and techniques; and alternative value-adding processes for tuna and associated species;
- Experimenting with FAD designs and different mooring systems to try to develop a low-cost system that has an average lifespan of at least two years, conduct community surveys to measure the benefits from FADs accruing to them, and conduct a cost benefit analysis of FADs in Niue and the Cook Islands where the FAD research work is being undertaken; and
- Testing new fishing methods, lower-cost alternatives, methods for avoiding unwanted non-target catches, and other new development directions identified by member countries and territories, such as sportfishing and baitfishing.

Output performance indicator: *Significant augmentation of the body of available and useful practical information accessible to Pacific Island fisheries authorities and fishing enterprises on sustainable fishing methods, new initiatives and the results of fishing trials and experiments.*

### Output 2.3: National commercial fishery development plans

The main activity areas planned to achieve this output over the triennium are:

## Part II: Outputs planned for the triennium 2003-5

- Provision of advice on request to governments and administrations on options for sustainable domestic commercial fishing development, and input to national tuna fishery development plans, in collaboration with the Forum Fisheries Agency and FAO as appropriate; and
- Assist the private sector in member countries and territories to form fishing associations and/or other stakeholder groups so they can provide input to the development of national tuna fishery development (and management) plans.

Output performance indicator: *A significant number of Pacific Island governments and fisheries administrations have in place specific plans and policies, that have been developed with private sector stakeholder participation and input, for the support and promotion of fully sustainable fishing enterprise.*

### Component 3 – Coastal Fisheries Management

#### General Comments

The focus of SPC in this area continues to be to work directly with fisheries departments to address the main fisheries management problems that come to their attention. In particular to help them institute effective policies and systems that act in a strategic manner to avoid future problems, instead of being continually stretched to respond only to the problems arising. With the successful completion of the *Strategic plan for fisheries management and sustainable coastal fisheries in Pacific countries* –the plan- and its endorsement from the third Heads of Fisheries (HOF) meeting in August 2003, the work of the section is now dictated under the goals and strategies prescribed in the plan. The outputs and activities that were past formulated for the Coastal Fisheries Management Section (CFMS) have been modified to cater for the strategies set under the plan. This provides a wider scope of activities compared to what the section delivered in the past years.

The CFMS will provide services and advices to institute socially-inclusive fisheries management programmes to promote the participation of local communities and other stakeholders in the management of coastal fisheries and marine environments. Services to promote the participation of Pacific women in coastal fisheries activities will be paid special attention. The section will assist countries to review, update and develop practical and enforceable fisheries regulations through provision of legal expertise to establish fisheries by-laws and management ordinances. It will provide services to enhance the capacity of fisheries agency staff to manage sustainable fisheries through provision of in-country assistance to review or develop organisational structures and HRD plans for fisheries agencies. The section will provide services in collaboration with other SPC programmes to assist fisheries agency staff in their efforts to collect, store, retrieve and analyse basic fisheries data and indicators to monitor the status of fish stocks. The section will also involve in instituting training in various aspects of fisheries management in order to enhance knowledge and skills of Pacific islanders on sustainable fisheries.

The CFMS currently has two full-time professional staff, Mr Ueta Fa'asili the Coastal Fisheries Management Adviser, and Ms Aliti Vunisea, the Community Fisheries Officer.

## Part II: Outputs planned for the triennium 2003-5

### Proposed workplan by output

Under the objective of the Coastal Fisheries Management Section, three main outputs have been predetermined, with many specific activity areas under each output.

#### **CFP Objective 3 – Environmentally sound and socio-economically achievable governance of reef and lagoon fisheries**

Output 3.1: To enhance the capacity of national fisheries agencies to manage sustainable fisheries and develop, or rehabilitate, and promote, socially inclusive and appropriate coastal fisheries development and governance policies and plans.

The main activity areas planned to achieve this output over the triennium are:

- Provision of in-country assistance to review or develop organizational structures and a HRD plan for requesting fisheries agencies.
- Provision of support for attachments of individuals from fisheries agencies to relevant SPC programmes and to successful national programmes of other countries for the purposes of training and capacity building.
- Provision of workshops and short courses for fisheries agency staff on fisheries management areas including practical fisheries and related fisheries management issues.

Output performance indicator: *Capacity and expertise of island fisheries agencies significantly improves in the management of fisheries resources.*

Output 3.2: Assistance to national fisheries agencies in their efforts to collect, store, retrieve and analyse basic data and to establish and maintain databases of information on Pacific Island coastal fisheries and fisheries management practices, network for sharing of experience in coastal fisheries management and publication of case studies and compendia.

The main activity areas planned to achieve this output over the triennium are:

- Collaboration with Reef Fish Observatory to produce a manual, database and training for the collection and storing of fisheries data from subsistence fisheries and to extract and operationalise relevant scientific information on coastal fisheries management.
- Occasional regional meetings, to discuss experiences and to indicate consensus regional priorities for programme action.
- Active fostering of communication and exchange linkages between coastal fisheries management specialists within the region, regional organisations, fisheries administrations and NGOs on coastal fisheries management problems.

Output performance indicator: *PICTs having improved systems of data collection and exchange of information.*

## Part II: Outputs planned for the triennium 2003-5

Output 3.3: Assistance to countries to involve fishers and other stakeholders in fisheries management and the development of property-use rights and to review, update and/or develop practical and enforceable fisheries regulations to promote the public awareness on managing inshore fish stocks.

The main activity areas planned to achieve this output over the triennium are:

- Provision of training and continuing assistance to enable fisheries agencies to establish community-based fisheries management (CBFM) in island countries
- Provision of legal expertise to assist island countries with their coastal fisheries legislation.
- Provision of assistance with the formation of fisheries management advisory committees (F-MACs) and to promote the involvement of other stake-holder groups in the management of specific inshore fisheries.
- Provision of assistance to develop a gender-orientated approach that encourages the involvement of women and other disadvantaged groups (included untitled men) in all aspects of fisheries and fisheries management.
- Provision of recommendations on size limits for important species on a regional basis to assist countries in the preparation of fisheries regulations.
- Provision of training in preparing non-technical publicity material to raise public awareness of the need for conservation, food security, fisheries management and fisheries regulations.
- Provision of assistance in conducting socio-economic assessments and relevant training of subsistence fisheries.

Output performance indicator: *Well managed inshore fisheries system established in at least one country.*

### Component 4 – Fisheries Training

#### General Comments

The CFP Fisheries Training Section promotes the development of Pacific Island human resources in the fisheries sector by assisting governments, training institutions, and seafood enterprises to identify and respond to practical training priorities in areas, particularly vocational and non-formal training which is not currently addressed locally. The Training Section is not designed to either train other SPC staff in fisheries issues, nor specifically to provide a service that helps other sections train Pacific Islanders in their mandate areas, but rather to provide direct support to PICT clients in their national priority HRD areas. The aim is both to provide gap-filling vocational training in a rapidly-evolving field (particularly in support of enterprise development), and to assist PICTs to develop local capacity to provide or co-ordinate their own fisheries HRD wherever possible. SPC complements the more formal and higher educational role of USP, where USP has developed vocational training capacity in certain areas, particularly aquaculture and fisheries post-harvest. This training is generally provided in Fiji on a cost-recovery basis. SPC does not duplicate this but rather provides a coordinative and rapid-response problem-solving and outreach service that identifies resources and puts training needs in touch with appropriate training providers, as well as helping PICTs plan strategic responses to priority HRD gaps.

## Part II: Outputs planned for the triennium 2003-5

The Fisheries Training Section is made of three full-time staff: the Fisheries Training Adviser Mr Michel Blanc; Fisheries Training Specialist Mr Terii Luciani; and Project Assistant Ms Christine Briffa. An additional position, the Fisheries Information and Training Associate, is shared with the Fisheries Information Section. This trainee position was established in 1996 to enable junior Pacific Island fisheries officers to be exposed to the work of the SPC Coastal Fisheries Programme.

### Proposed workplan by output

Under the objective of the Fisheries Training Section, three main outputs are focused on, with many specific activity areas and activities under each output.

#### **CFP Objective 4 – Adequate human resource and technical skills capacity to manage and derive sustainable economic benefit from the fisheries sector**

Output 4.1: Training courses and workshops in fisheries topics where there is high priority, with an emphasis on in-country vocational training for enterprise development

The main activity areas planned to achieve this output over the triennium are:

- Sourcing co-funding to assist in the provision of high-priority vocational training;
- Coordinating an annual in-service training course for fisheries officers, particularly those newly-recruited. This course also provides a measure of regional harmonisation of standards and skills amongst fisheries departments and provides particular opportunities for women fisheries officers;
- Coordinate regional or sub-regional training courses in priority areas not presently addressed by local institutions;
- Coordinating, or implementing short-term in-country vocational training courses and attachments in subject areas and islands where necessary local HRD support is not available;
- Collaborating with other CFP sections in the provision of training in support of enterprise development; and
- Developing resource materials in support of training activities.

Output performance indicator: *Training provided is according to priority needs of PICT enterprise development policies and significantly improves the skills base in these areas, according to independent review and Heads of Fisheries Meeting consensus.*

Output 4.2: Assessment of needs, and development of training strategies and programmes in the fisheries sector

The main activity areas planned to achieve this output over the triennium are:

- Coordination or implementation of sectoral training needs assessments;
- Assistance to fisheries administrations and local institutions in developing fisheries training strategies; and
- Assistance to fisheries administrations and local institutions in developing locally-applicable fisheries training programmes.

## Part II: Outputs planned for the triennium 2003-5

Output performance indicator: *PICT capacity for providing in-country fisheries training is significantly increased, in priority areas identified that have been assisted by the Section, according to independent review and Heads of Fisheries Meeting consensus.*

Output 4.3: Coordination of fisheries training opportunities and exchange of information on training

The main activity areas planned to achieve this output over the triennium are:

- Maintenance of networks of fisheries administrations, training institutions, enterprises and consultants;
- Maintenance of the database of global training institutions and programmes relevant to Pacific Island fisheries personnel and regular publication of the annual Fisheries Training Directory;
- Maintenance of a confidential database on Pacific Island fisheries personnel training histories; and
- Active maintenance of linkages and promotion of contact between training providers and fisheries personnel, through the ongoing development of the Section's website and a bi-annual information bulletin on Fisheries Education and Training.

Output performance indicator: *Pacific Island training needs coordinators are aware of all relevant training opportunities, and fisheries training providers are aware of the needs in the region.*

### Component 5 – Reef Fisheries Observatory

#### General Comments

The SPC Reef Fisheries Observatory is a development and expansion of the former CFP Resource Assessment Section, and the primary funding for its activities will come from the European Union 8<sup>th</sup> EDF for the duration of the plan period. The previous work of the SPC in this area was limited to assisting fisheries administrations to tackle a wide range of very specific reef fisheries assessment and management problems, in a tactical rather than a strategic role. Apart from enabling many localised problems to be solved, this work also enabled the region to take stock of its reef fisheries scientific information needs and mechanisms, summarised in a review published by SPC in 1995, where it became clear that the basic reef fishery information necessary to strategically guide government development and fisheries management planning was grossly inadequate. It was not even possible for most countries to estimate their total reef fisheries production let alone define what level of catch, for each species, might be sustainable. The review also included a strategy for Pacific Islands coastal fisheries research. The Reef Fisheries Observatory, although it has taken some time to program comprehensive financial support, is a direct consequence of this review.

Although the Observatory will retain some capability to respond to urgent requests for scientific assistance with reef fishery problems arising, particularly in PICT members which are not in partnership with the European Union, and particularly in relation to the Live Reef Fish Trade, the main focus of work over the plan period and beyond will be to accomplish an assessment of the status of Pacific Island reef fisheries that is both holistic and detailed. It will apply consistent, comparable methodologies to the entire region for the first time, producing a baseline that will be of great value to development planners and fisheries and environment managers at all levels. This assessment will not be limited to biological resource assessment but also cover social and economic analyses of reef fisheries usage and, with the collaboration

## Part II: Outputs planned for the triennium 2003-5

of other institutions, particularly IRD, assessment of reef fisheries ecosystems. In the subsequent strategic plan period, SPC plans to institute achievable mechanisms whereby PICTs can monitor relevant indicators and the region can accomplish occasional comprehensive updates of this assessment. The Reef Fisheries Observatory aims to achieve a similar level of international recognition of scientific excellence as the SPC Oceanic Fisheries Programme by the end of the plan period.

The Reef Fisheries Observatory currently has a staff of nine, made up by the Principal Reef Fisheries Scientist, Dr Mary Power; Senior Reef Fisheries Scientist (invertebrates), Dr Kim Friedman; Senior Reef Fisheries Scientist (vertebrates), Dr Laurent Vigliola; Reef Fisheries Information Manager, Mr Franck Magron; Senior Fisheries Scientist (live reef fish), Mr Being Yeeting; Community Fisheries Scientist, Dr Mecki Kronen; Reef Fisheries Scientist, Mr Samasoni Sauni; Seconded Researcher Mr Eric Clua; and Project Administrator, Ms Marie-Therese Bui. In addition there are several positions for short-term Pacific Island attachments.

### Proposed workplan by output

Under the objective of the Reef Fisheries Observatory, three main outputs are focused on, with many specific activity areas and activities under each output.

#### ***CFP Objective 5 – Scientifically rigorous information on the status, exploitation levels and prospects of fisheries is used by Pacific Islanders to sustainably manage living coastal resources***

Output 5.1: Establishment, and progressive improvement of quantitative assessments of the status of all aspects of reef fisheries at the local, national and regional levels

The main activity areas planned to achieve this output over the triennium are:

- Scientific field studies at specific sites to assess the status of reef fish and invertebrate resources and human use of resources;
- Maintaining a regional reef fisheries database and data archival centre covering current and available historical data on resource, ecosystem, social and economic aspects of reef fisheries;
- Producing and publishing local, national and regional assessments of the status and prospects of reef fisheries targeted at various levels, including national Reef Fisheries Profiles; and
- Identifying and validating potential easily-monitored indicators of reef fishery status.

Output performance indicator: *Comprehensive assessments for 5 PICTs are published to a high scientific standard.*

Output 5.2: Assistance to Pacific Island fisheries administrations with scientific advisory or analytical input into reef fisheries management problems

The main activity areas planned to achieve this output over the triennium are:

## Part II: Outputs planned for the triennium 2003-5

- Responses to urgent requests for advice, outside the planned scope of output 5.1, either based on information at hand, or requiring a specific, targeted field study, in collaboration with the CFP Fisheries Management Section as appropriate.

Output performance indicator: *Responses to relevant requests are considered adequate and timely according to independent review and Heads of Fisheries Meeting consensus.*

Output 5.3: Capacity development of Pacific Island scientists and researchers in reef fisheries assessment

The main activity areas planned to achieve this output over the triennium are:

- Medium-term attachments of Pacific Island scientists and researchers to the work of the Observatory;
- Occasional national or sub-regional workshops to teach SPC standard methodologies, in collaboration with USP and others as appropriate; and
- Co-working with PICT fisheries staff on field studies.

Output performance indicator: *Three person-years of direct attachment to the project achieved, at least 30 national researchers collaborate in fieldwork and at least 30 people attend workshops.*

## Component 6 – Fisheries Information

### General Comments

The Section's aim is to provide easily-available, relevant and understandable aquatic living resource-based knowledge for member countries and territories. This is done by promoting information transfer in countries and territories through dissemination of current fishery information and maintenance of technical networks.

The Information Unit has a triple role, assisting both OFP and CFP sections to publish relevant outputs where necessary (thus supplementing the capacity of the general SPC Publications Section, with which it works closely – the Publications Section concentrating on general language editing, graphics, and printing whilst the Fisheries Information Unit concentrates on fisheries-specific aspects), producing regional fisheries information products that either cover cross-sectional issues or issues that are not covered by other sections, and assisting Pacific Community members to develop their own information services. Like all CFP sections, it also acts as the focal point for an international network on subjects within its mandate.

The Fisheries Information Unit plays a particular role in ensuring that French-speaking and English-speaking PICTs have access to relevant information generated in each language.

The Fisheries Information Section currently has three full-time staff, the Fisheries Information Adviser, Mr Jean-Paul Gaudechoux; Fisheries Information Specialist, Mr Aymeric Desurmont; and Fisheries Information Assistant, Ms Sophie Mezieres. An additional position,



## Part II: Outputs planned for the triennium 2003-5

the Fisheries Information and Training Associate, is shared with the Fisheries Training Section.

### Proposed workplan by output

Under the objective of the Fisheries Information Section, three main outputs are focused on, with many specific activity areas and activities under each output.

### CFP Objective 6: Easily-available, relevant and understandable aquatic living resource-based knowledge for member countries and territories.

Output 6.1: Availability of useful information relevant to Pacific Islands fisheries development and management

The main activity areas planned to achieve this output over the triennium are:

- Support to other CFP and OFP sections in the design, production, and dissemination of information products with respect to priority target audiences;
- Collection, collation, publication and dissemination of useful information relevant to Pacific Islands fisheries development and management priorities in areas linking the outputs of several other CFP and OFP sections, particularly public awareness materials, pamphlets, videos and posters;
- Production of fisheries bibliographies, cataloguing the availability of locally-available information and reports in PICTs; and
- Maintenance of material on the SPC Coastal Fisheries website ([www.spc.int/coastfish](http://www.spc.int/coastfish)).

Output performance indicator: *Availability of useful information is significantly increased according to independent review and Heads of Fisheries Meeting consensus.*

Output 6.2: Provision of a medium for dialogue between specialists on topics of priority interest to Pacific Island fisheries administrations

The main activity areas planned to achieve this output over the triennium are:

- Maintaining special interest networks, involving external experts as well as PICT practitioners, in specific fields deemed to be of high importance in the day-to-day work of PICT fisheries administrations;
- Producing 6-monthly information summary bulletins and a quarterly general fisheries newsletter that provide compendia of recent news and an opportunity for timely publication of new information and research; and
- Acting as a general focal point for receiving information enquiries and distributing these questions to other sections or agencies as appropriate.

Output performance indicator: *PICT Fisheries services and experts in topics of priority interest are mutually aware and in communication.*

## Part II: Outputs planned for the triennium 2003-5

Output 6.3: Assistance to Pacific Islands in determining and prioritising their fisheries information needs and their strategies for fulfilling these needs

The main activity areas planned to achieve this output over the triennium are:

- Visits to PICTs to help assess information needs and the status of existing island information systems; and
- Assistance in the production of specific information strategies and policies as required.

Output performance indicator: *Fisheries information needs assessed or reassessed, and mechanisms for addressing them developed in collaboration with at least 6 PICTs.*

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 1 – Aquaculture		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>CFP Objective 1: A regional support framework for economically, socially and environmentally sustainable aquaculture planning, research and development by Pacific Island governments and private enterprises</b></p> <p><i>Output 1.1: Establishment and maintenance of a regional network of contacts as a means of exchanging ideas, knowledge and experience on Pacific aquaculture issues</i></p> <p><b>Generic activities</b> Actively promoting the focal point at SPC for the Regional Aquaculture Network to help link and harmonise the activities of member countries and other agencies in the field of aquaculture.</p>	<p>Core network of government aquaculture focal points will be maintained through regular correspondence and meetings where possible. Regular updates via email flash notices provided.</p> <p>The Section to represent the interests of the Pacific region in the NACA (Network of Aquaculture Centres in Asia-Pacific). Participation at the governing council meeting</p> <p>The Section will facilitate opportunities for the</p>	<p>The Section has maintained regular correspondence and collaboration with its member countries. The Email flash service continues to be sent to update focal points. the Section has organised several major aquaculture events - 57 persons attended the SPC Animal Health and Quarantine Workshops in Fiji, Samoa, Cook Islands and Vanuatu. 25 persons participated in the SPC/USP tilapia and shrimp regional training workshop in Fiji. Approx. 100 persons participated in the Fiji Aquaculture Seminar.</p> <p>The Aquaculture Adviser participated at the NACA governing council meeting in Sri Lanka (21-23 April 2004). The SPC contributed the section for a report on the</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 1 – Aquaculture		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>Development and maintenance of a web portal as a means of exchanging ideas, knowledge and experience on Pacific aquaculture issues, and maintain and disseminate appropriate information on aquaculture techniques and practices, including an Aquaculture Special Interest Bulletin;</p>	<p>Pacific Aquaculture Working Group members to meet quarterly upon the margins of regional meetings. The Section will also serve as moderator for the Expert Technical Reference Group established in 2003.</p> <p>The Section will assist member countries to access regional expert agencies including USP (training, education), WorldFish Centre (research), SPC animal health section (quarantine, disease management), SPREP (biodiversity, invasive species), SOPAC (physical monitoring, coastal mapping) and FAO (global policy).</p> <p>The Section will serve as point of contact and administration for minor research projects funded under the ACIAR research aquaculture project jointly implemented by the QDPI and WorldFish Center. Approximately AUD40,000 has been allocated for year 2004.</p> <p>The SPC Aquaculture portal to be maintained by the Section. Regular updates of market notices, announcements, publications, contacts database,</p>	<p>status of aquaculture in Asia and Pacific that will be regularly updated and published.</p> <p>The next meeting of the Aquaculture Working Group is planned to be held during the 4<sup>th</sup> Heads of Fisheries meeting (30<sup>th</sup> Aug-4<sup>th</sup> Sep 2004). Following a formal letter of request from SPC a panel of twenty eminent aquaculture experts affiliated with the Pacific region has been established. The Expert Panel will provide technical advice to activities.</p> <p>In May 2004 the SPC organised an aquaculture study tour of Fiji with participation of senior officials from ACIAR (Australia), WorldFish Centre (Malaysia), IFREMER (New Caledonia), Ministry of Fisheries and SPC. As a result of this mission additional Australian and French funding for activities in Fiji and with the University of the South Pacific were secured.</p> <p>The Aquaculture Adviser participated in the ACIAR project leaders implementation meeting in Fiji in Feb 2004. The SPC presented 20 research project concepts. Projects prioritised for 2004 include, a study of diseases in <i>P. monodon</i> prawns in Fiji; integrated tilapia and duck in Samoa; <i>macrobrachium</i> shrimp and tilapia feed formulation and growth trials in Papua New Guinea and Fiji; and integrated farming of indigenous <i>macrobrachium</i> shrimp with taro</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

<b>Component 1 – Aquaculture</b>		
<b>Triennium Objectives &amp; Outputs</b>	<b>2004 Activities and indicators</b>	<b>Mid-year assessment</b>
<p>Convening a regional meeting at least once during the plan period for the specific purpose of drawing together member countries and other participants in the regional aquaculture network to review and revise priorities and key commodities as necessary, and accordingly to agree on any modifications to the regional action plan</p> <p><i>Output 1.2: Establish &amp; maintain regional support to Pacific Government departments and private sector operators, as appropriate, in the establishment of environmentally and economically sustainable aquaculture</i></p> <p><b>Generic activities</b></p>	<p>national statistics database to be made. A cd-rom version of the portal to be developed.</p> <p>Six new publications in the SPC Aquaculture Technical Papers series added. Special interest group bulletin for seaweed initiated. Media releases (SPC fisheries bulletin, news releases, SPC Pacific Way etc) on significant outputs.</p> <p>Grey literature reports added to collection. Five new reference texts procured. Bibliography online and searchable.</p> <p>A regional consultation is planned to occur in year three of the work plan period.</p>	<p>swamp plantations in Vanuatu and Wallis and Futuna.</p> <p>For the month of Jun 2004 the SPC Aquaculture Portal website recorded 46 thousand hits averaging 1,500 visitors per day. The Section Project Assistant carries out regular updates to the Portal of market information, notices and statistics. The Section has participated in the SPC Web Masters forum and requested that the feasibility of the entire SPC website to cd-rom be investigated. Freely available software for economic modelling of aquaculture and agriculture farms is available at the SPC Aquaculture Portal.</p> <p>Two new publications for the SPC Aquaculture Technical series have been completed and uploaded to the portal library. One publication is near completion. No significant media releases have been released. The Special interest group bulletin has not been initiated instead the preference has been to release notices through the SPC Fisheries Bulletin.</p> <p>Grey literature collected during duty travel assignments in Tuvalu have been added to the Aquaculture library.</p> <p>No regional consultation is planned this year. The Section has begun to investigate the</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

<b>Component 1 – Aquaculture</b>		
<b>Triennium Objectives &amp; Outputs</b>	<b>2004 Activities and indicators</b>	<b>Mid-year assessment</b>
<p>Advice and assistance to governments in the design and implementation of practical aquaculture strategies, policies and plans;</p>	<p>Technical assistance provided to develop member country national aquaculture sector. National strategies and management systems assisted, institutional capacity supported, marketing support. All formal requests for assistance will be attended to in a timely manner.</p> <p>The Section along with the SPC Animal Health veterinarians to develop a regional program to support aquatic organism health and movements. A regional mission to key countries to occur and the findings to be presented to the SPC Heads of Quarantine and Plant Protection Services and Heads of Fisheries meeting. Three model Import Risk Analysis (IRAs) will be commissioned in the region. Consultation with NACA, FAO Rome and the DAFF will be made.</p>	<p>feasibility of a special interest group meeting for the cultured pearl industry. A favourable response has been received from the major producers - French Polynesia and the Cook Islands.</p> <p>In Jun 2004 SPC was requested by the Fiji government to organise a freshwater aquaculture pond census and develop a Strategic Plan before early Aug 2004. This work is progressing on schedule. The Fiji Strategic Plan will serve as a useful model to the Pacific islands in particular Papua New Guinea. The SPC Aquaculture adviser was despatched to Tuvalu and the French Territory of Wallis and Futuna following formal requests from the respective governments for assistance. The SPC Aquaculture Officer was despatched to Papua New Guinea following a formal request from government to provide some strategic advise on freshwater aquaculture and to assist the Oki Tedi gold mine on freshwater shrimp aquaculture and</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 1 – Aquaculture		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>Advice and assistance to Pacific Government departments and private sector operators to assess the viability of aquaculture proposals, in response to requests</i></p>	<p>The Section will continue to implement the future work suggested by the USP review of aquaculture policy and legislation.</p> <p>At least four consultants to undertake regionally significant tasks.</p> <p>Three months of in country hands-on support for institutions and ventures provided. Priority to fish farming in Papua New Guinea and seaweed farms in Solomon Islands.</p>	<p>rehabilitation in the Fly river.</p> <p>In Feb 2004 the Section organised a successful aquatic animal health and quarantine mission into the Pacific. Participating in this mission was the SPC Aquaculture Adviser, SPC veterinary epidemiologist and a senior scientist and policy adviser from Biosecurity Australia (DAFF). The mission visited Fiji, Vanuatu, Samoa and the Cook Islands and held one day workshops with heads of fisheries, environment and quarantine. The mission report was presented by the SPC Veterinarian to the SPC Head of Quarantine and Plant Protection held in Fiji in Mar 2004 and the World Animal Health Organisation (OIE) annual meeting in Paris in May 2004. The Section has commissioned two Import Risk Analysis (IRA), first for Fiji for <i>L. Stylirostris</i> prawns from Brunei and for Cook Islands concerning <i>M. rosenbergii</i> shrimp from Fiji. The SPC Aquaculture Adviser met with key FAO staffs who indicated their interest to assist and co-fund a workshop to develop regional guidelines for movements of aquatic species in 2005.</p> <p>Little work has been done directly in relation to the USP review although the Section has provided advise to several countries currently developing strategic policies.</p> <p>In Apr 2004 the Section began a 3 month</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 1 – Aquaculture		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>Output 1.3: Development of the Pacific Island human resource base for aquaculture</i></p> <p><b>Generic activities</b></p> <p>Sponsorship and coordination of training and professional attachments in aquaculture, in collaboration with the SPC CFP Fisheries Training Section and USP as appropriate</p>	<p>Small grants provided to national institutions and research agencies. A collaboration with SOPAC on an economic analysis of the pearl monitoring systems established in the Cook Islands and with USP on regional freshwater aquaculture training workshop.</p> <p>Regional networking and coordination meeting to identify training needs.</p> <p>At least four attachments between countries arranged. At least three attachments with SPC arranged.</p>	<p>consultancy for Import Risk Analysis (IRA) which will develop a regional framework for all future IRAs in the Pacific. The Section developed a concept for a regional seaweed marketing consultancy to be conducted in the 3<sup>rd</sup> quarter of 2004 which ACIAR has agreed to fund.</p> <p>Section staff have undertaken 2.5 months of in-country duty travel providing technical assistance in the following countries – Fiji, Papua New Guinea, Wallis and Futuna, Tuvalu, Vanuatu, Samoa, Cook Islands. Four Papua New Guinea representatives participated in the SPC/USP tilapia and shrimp training workshop and the Section is maintaining regular correspondence with these persons to implement fish aquaculture feed formulation and growth trials. The Section assisted the Solomon Government Stabex unit in sourcing applicants for the Seaweed Commercialisation Project. The planned regional seaweed marketing consultancy has identified the Solomon Islands as a target country.</p> <p>The Section partially funded and is collaborating with SOPAC on an economic analysis of pearl monitoring systems in the Cook Islands to be completed in July 2004. The Section funded research leading to a Kappaphycus seaweed quarantine protocol at the USP Institute of Marine Resources. In May 2004 the SPC and USP conducted a three week</p>



**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

<b>Component 1 – Aquaculture</b>		
<b>Triennium Objectives &amp; Outputs</b>	<b>2004 Activities and indicators</b>	<b>Mid-year assessment</b>
	<p>Sponsorship of at least three professionals from the region in conferences or workshops.</p>	<p>regional tilapia and shrimp aquaculture training workshop (25 persons) in Fiji with the SPC Aquaculture Officer as the lead trainer.</p> <p>No regional meeting has taken place this first 6 months but the identification of training needs has been included in the major aquaculture events organised by the Section (IRA workshops, tilapia and shrimp training workshop). The Section is assisting the Training section in the formulation and delivery of the aquaculture module for the Nelson fisheries officers training course.</p> <p>The Section arranged for two persons from Kiribati for a pearl attachment in Apr 2004 with the Cook Islands industry but the Kiribati government requested a postponement and this has been rescheduled to Aug 2004. It was mutually agreed that a proposed attachment from Fiji to the Cook Islands pearl industry should also be postponed from Aug 2004 to a later date coinciding with the proposed regional pearl meeting.</p> <p>No professionals from the region were directly funded to outside conferences or workshops. The SPC is a key organiser for a special session on indigenous aquaculture for the Australasian Aquaculture Conference 26-29<sup>th</sup> Sep 2004. The Section has assisted four Pacific Islander government representatives in presentation themes and securing donor</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

<b>Component 1 – Aquaculture</b>		
<b>Triennium Objectives &amp; Outputs</b>	<b>2004 Activities and indicators</b>	<b>Mid-year assessment</b>
		funding for their attendance to the conference.

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 2 – Fisheries Development		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>CFP Objective 2: Economically-viable and environmentally sound Pacific Island fishing enterprises</i></p> <p><b>Output 2.1: Development of economically and ecologically sustainable Pacific Island fishing enterprises.</b></p> <p><b>Generic activities</b> Hands-on training in sustainable fishing skills in Pacific Island enterprises through in-country expert placements in tuna catching methods (especially longlining); navigation and seamanship; vessel operating procedures; maintenance of vessel machinery and fishing equipment; and onboard handling, processing and icing of the catch to export standards.</p> <p>Training workshops on fishery development topics during some expert placements, in collaboration with the Fisheries Training Section and other CFP Sections as appropriate.</p>	<p>Conduct at least 4 in-country expert placements including tuna longline training in Tuvalu, follow-up tuna longline training in the Marshall Islands and FAD rigging and deployment training in Kosrae, FSM.</p> <p>Memorandum of Agreement (MoA) developed and signed for each project at least 3 weeks before projects commence.</p> <p>Provide advice to members as requested on tuna longline vessel parameters and tuna longline gear.</p> <p>Conduct or assist with the running of at least two national workshops planned as part of expert placements.</p> <p>Assist the Fisheries Training Section with the implementation of the Nelson Course practical</p>	<p>Follow-up longline training completed in the Marshall Islands. Longline training in Tuvalu commenced and will continue in third quarter. FAD work in Kosrae to commence in third quarter.</p> <p>MoAs signed for Marshall Islands and Tuvalu, draft MoAs provided to Kosrae and American Samoa.</p> <p>Advice provided to several people and companies, both within the region and outside.</p> <p>Workshop completed in Tuvalu (on board handling of sashimi grade fish) plus one scheduled for fourth quarter in American Samoa on mid-water fishing skills.</p> <p>Assistance provided to the Fisheries Training Section with the running of the Nelson Course practical module, held in Koumac, New</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 2 – Fisheries Development		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>Output 2.2: Testing, development and publication of resource materials and case-specific advice on appropriate fisheries and fishing techniques.</b></p> <p><b>Generic activities</b>  <i>Collating, writing and publishing: case studies based on in-country expert placement experiences and workshop results; generic technical manuals on different types of fishing, or fish handling practices; brochures and posters on topics relevant to the domestic commercial tuna fisheries in the region; funding proposals and progress reports; and results of other development activities, such as the FAD research project.</i></p>	<p>module in New Caledonia.</p> <p>Produce field reports for all in-country expert placements, with a draft of recommendations provided to the host government within 6 weeks of each project’s completion, and the final draft provided within 4 months.</p> <p>Produce a species identification manual for domestic tuna longline operators in the region to improve the quality of data being provided in logbooks.</p> <p>Provide a progress report to NZPIE by July 2004 on the FAD research project and the findings to date.</p> <p>Provide a progress report to donors on project activities for the first half of 2004 in July, plus an end of year report.</p> <p>Produce funding proposals for specific projects and activities as these are identified and provide progress reports within the timeframe for each donor. Such proposals include an extension to the NZ PIE-funded FAD research project.</p>	<p>Caledonia.</p> <p>Field Reports completed and distributed for 2003 projects in Kiribati, Marshall Islands and the Solomon Islands. Draft report for Tokelau with country for comment.</p> <p>Project commenced with the ordering of 19 fish paintings from an artist in Hawaii. Mock-ups for manual design and layout made for internal decision.</p> <p>Report deferred to the end of 2004 as this will become a final report for the project.</p> <p>Mid-year progress report prepared and submitted in July for CFP programme funding.</p> <p>Funding proposal to extend the FAD research project compiled and submitted to the NZ PIE funding – proposal was unsuccessful. Proposal also put to the Western Pacific Regional Fisheries Management Council to support fish manual – proposal was unsuccessful.</p> <p>Draft report produced in June after the</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 2 – Fisheries Development		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>Providing advice and information, in response to requests by, or through, members, on fishery development issues, particularly: fish aggregating device (FAD) materials, construction and deployment; appropriate fishing vessel parameters for different applications; deep-water snapper fishing gear and techniques; and alternative value-adding processes for tuna and associated species.</i></p> <p>Experimenting with FAD designs and different mooring systems to try to develop a low-cost system that has an average lifespan</p>	<p>Produce a report on the findings of the deep-setting tuna longline trials for the donor and widely disseminate the results.</p> <p>Produce quarterly contributions for the SPC Fisheries Newsletter on the sections activities as well as feature articles on relevant subjects or project results.</p> <p>Produce papers for regional and international meetings and make these papers available on the section’s website.</p> <p>Maintain and regularly update the section’s website with all new publications and papers put on the web once they have been cleared by the respective country.</p> <p>Convert hard copies of at least 20 past reports to an electronic format and put on the section’s website.</p> <p>Information and advice provided within one week of request being received.</p> <p>Conduct third community surveys in all three project locations (Niue and Rarotonga and</p>	<p>completion of fishing trials. Final draft of report to be submitted to donor in July.</p> <p>Contributions for Fisheries Newsletter completed and submitted within the timeframe provided.</p> <p>Past papers are all on the sections website. No papers produced in first half of the year.</p> <p>Website updated with reports as soon as governments have cleared them. New update of project activities on the web scheduled for July/August.</p> <p>Ten past reports converted to an electronic format and placed on the section’s website.</p> <p>All requests for information and advice answered within one week.</p> <p>Third community surveys completed in the Cook Islands in June, with the surveys in Niue to be conducted in July due to a devastating cyclone early in the year.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 2 – Fisheries Development		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>of at least two years, conduct community surveys to measure the benefits from FADs accruing to them, and conduct a cost benefit analysis of FADs in Niue and the Cook Islands where the FAD research work is being undertaken.</p> <p>Testing new fishing methods, lower-cost alternatives, methods for avoiding unwanted non-target catches, and other new development directions identified by member countries and territories, such as sportfishing and baitfishing.</p>	<p>Aitutaki in the Cook Islands) by May/June 2004.</p> <p>Assess the catch and effort (logbook) system and work on increasing the level of returns from fishermen.</p> <p>Conduct an analysis of all the catch data on hand by April 2004, and provide this information back to the fishermen in each project location and publicise these results.</p> <p>Assess current FAD designs being experimented with and replace any lost FADs with modified designs.</p> <p>Conduct an assessment of the aggregators being trialed at present and make changes where necessary.</p> <p>If the FAD research project is extended with Tokelau included, and the UNDP projects commences, implement a logbook system in Tokelau, conduct community surveys once FADs are deployed, and experiment with aggregator designs the same as in Niue and the Cook Islands.</p> <p>Implement the AFMA-funded deep-setting tuna longline fishing trials to reduce bycatch of unwanted species.</p> <p>Assist in organising and participate in the fourth</p>	<p>Identifiers for fishermen added to data. Level of returns increasing in Niue but static in the Cook Islands.</p> <p>Analysis of catch and effort data conducted in April for Niue and June for the Cooks. Data discussed with Fisheries Department staff.</p> <p>Current designs assessed, one FAD deployment off Niue in June and several scheduled for July (Niue and Cooks).</p> <p>Assessment of aggregators is ongoing.</p> <p>FAD research project not extended and UNDP has withdrawn their funding support for fisheries development project in Tokelau. If funding is located from a different source, a FAD programme will be implemented.</p> <p>Fishing trials completed from April to June and draft report produced.</p> <p>Meeting scheduled for end of August/early September.</p> <p>Concept will be put to the Heads of Fisheries meeting in third quarter for consideration.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 2 – Fisheries Development		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>Output 2.3: National commercial fishery development plans.</b></p> <p><b>Generic activities</b>            Provision of advice on request to governments and administrations on options for sustainable domestic commercial fishing development, and input to national tuna fishery development plans, in collaboration with the Forum Fisheries Agency (FFA) and FAO as appropriate.</p> <p>Assist the private sector in member countries and territories to form fishing associations and/or other stakeholder groups so they can provide input to the development of national</p>	<p>Heads of Fisheries Meeting in August 2004, to get country input to future directions for the section.</p> <p>Seek member country input and support to develop a project proposal to establish a baitfishing project to look at small-scale methods of catching bait in support of tuna longlining activities.</p> <p>Produce a paper benchmarking the state of small-scale domestic tuna fishing activity in the region.</p> <p>Attend other relevant regional and international meeting as needed, such as the SCTB, the CROP Marine Sector Working Group, PIROF, and FAO expert consultations.</p> <p>Provide assistance and input to the formulation of tuna development plans in collaboration with FFA.</p>	<p>Paper to be completed and presented at the Heads of Fisheries meeting in third quarter.</p> <p>Staff attended the PIROF meeting in Fiji in February. Staff will attend SCTB meeting in August, plus other relevant meetings as they are announced.</p> <p>Further input provided to the drafting of a tuna fishery development and management plan for Tokelau.</p> <p>Funding proposal submitted and the latest word is the EU will finalise and approve the project in the third quarter.</p> <p>Recruitment process expected to commence in the third quarter, with appointment in the forth</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 2 – Fisheries Development		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
tuna fishery development (and management) plans.	<p>Work with FFA on a joint EU funding proposal to assist member governments and the private sector to work together in designing development strategies for their tuna fishery.</p> <p>If the proposal is successful, hire a suitable staff person as the Fisheries Development Specialist (FDS).</p> <p>Once the FDS is recruited, the person would visit at least 2 member countries to start to work with the fishing industry and other private sector groups with the aim of establishing a united group or association to provide input to government fisheries department on development issues and strategies.</p>	<p>quarter.</p> <p>No staff in place at present.</p>



**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 3 – Fisheries Management		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>CFP Objective 3: Environmentally sound and socio-economically achievable governance of reef and lagoon fisheries.</b></p> <p><i>Output 3.1: To enhance the capacity of national fisheries agencies to manage sustainable fisheries and develop, or rehabilitate, and promote, socially inclusive and appropriate coastal fisheries development and governance policies and plans.</i></p> <p><b>Generic activities</b>            Provision of in-country assistance to review or develop organizational structures and a HRD plan for requesting fisheries agencies.</p> <p>Provision of support for attachments of individuals from fisheries agencies to relevant SPC programmes and to successful national programmes of other countries for the purposes of training and capacity building.</p> <p>Provision of workshops and short courses for fisheries agency staff on fisheries management areas including practical fisheries and related fisheries management issues.</p>	<p>Seek funding to carry out in-country assistance on the development of organizational structures and HRD plans (new activity under the <i>Strategic plan for fisheries management and sustainable coastal fisheries in Pacific islands – SPFMSCFPI</i>)</p> <p>Arrangement of Fisheries staff from national fisheries agencies to undertake training attachments to experienced mentors and SPC.</p> <p>Seek funding to carry out regional training on fisheries legislation and its application to fisheries resource management (new initiative identified under the SPFMSCFPI)</p> <p>Seek funding to conduct a training on the preparation of management plans for coastal fisheries (new initiative identified under the</p>	<p>Funds have been found and the recruitment of the consultant to carry out the work will be done in the second half of the year.</p> <p>Arrangements have been made for fisheries officers from Marshall Islands and Niue to undertake attachments at the SPC and Samoa Fisheries respectively.</p> <p>Funds have been found and training is scheduled for early 2005.</p> <p>Funds have been found and training has been</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 3 – Fisheries Management		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>Output 3.1: Assistance to national fisheries agencies in their efforts to collect, store, retrieve and analyse basic data and to establish and maintain databases of information on Pacific Island coastal fisheries and fisheries management practices, network for sharing of experience in coastal fisheries management and publication of case studies and compendia.</i></p> <p><b>Generic activities</b>            Collaboration with Reef Fish Observatory to produce a manual, database and training for the collection and storing of fisheries data from subsistence fisheries and to extract and operationalise relevant scientific information on coastal fisheries management.</p>	<p>SPFMSCFPI)</p> <p>Seek funding to carry out training on Fisheries statistics and its importance to fisheries management (new initiative identified under the SPFMSCFPI)</p> <p>Assist the Reef Fish Observatory to produce a simple manual that help island fisheries in collecting their fish catches and analysis of data.</p> <p>Seek funding to conduct a regional training on the use of the manual.</p> <p>Work closely with Reef Fish Observatory to draft field report on the development of Community-based Fisheries Management (CBFM) program in Niue.</p> <p>Help organised regional meeting and workshops and preparation of reports.</p>	<p>scheduled for November this year.</p> <p>Funds have been found and training is scheduled in November this year.</p> <p>In collaboration with the Reef Fish Observatory and other organisations, the manual is completed in its draft form. The Coastal Fisheries Management Section had input to the manual through the involvement of its Fisheries Management Officer.</p> <p>Funds not yet found.</p> <p>The report on the development of Niue’s CBFM program has been completed is in draft form.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 3 – Fisheries Management		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>Occasional regional meetings, to discuss experiences and to indicate consensus regional priorities for programme action.</p> <p>Active fostering of communication and exchange linkages between coastal fisheries management specialists within the region, regional organisations, fisheries administrations and NGOs on coastal fisheries management problems.</p> <p><i><b>Output 3.3:</b> Assistance to countries to involve fishers and other stakeholders in fisheries management and the development of property-use rights and to review, update and/or develop practical and enforceable fisheries regulations to promote the public awareness on managing inshore fish stocks.</i></p> <p><b>Generic activities</b> Provision of training and continuing assistance to enable fisheries agencies to establish community-based fisheries management (CBFM) in island countries.</p>	<p>Assist the USP, CETC, FAO, WPRFMC and other institutions in developing fisheries management related joint projects.</p> <p>Work with one country to establish a national community-based fisheries programme.</p>	<p>Assisted in the arrangement of 4<sup>th</sup> HOF meeting</p> <p>The Fisheries Management Officer will be assisting a fisheries training by CETC and USP as a resource person</p> <p>Joint regional training have been arranged and agreed to by FAO and WPRFMC.</p> <p>A workshop was conducted in Apia in March to train the Tokelauan community facilitators on village consultation and the conduct of group meetings.</p> <p>Following the workshops, a team of 3 fisheries officers led by the Fisheries Management</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 3 – Fisheries Management		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>Provision of legal expertise to assist island countries with their coastal fisheries legislation.</p> <p>Provision of assistance with the formation of fisheries management advisory committees (F-MACs) and to promote the involvement of other stake-holder groups in the management of specific inshore fisheries.</p> <p>Provision of assistance to develop a gender-orientated approach that encourages the involvement of women and other disadvantaged groups (included untitled men) in all aspects of fisheries and fisheries management.</p>	<p>Seek funding to assist countries in drafting and reviewing legislation related to coastal fisheries and developing community by-laws to be used as tools for fisheries management in at least one country (new initiative under the SPFMSCFPI)</p> <p>Seek funding to conduct a regional workshop on the application and enforcement of fisheries legislation and regulations (new initiative under the SPFMSCFPI)</p> <p>Work with one country to develop Fisheries Management Committees.</p> <p>Conduct at least one national workshop on the importance of the role of women in community resources management and their traditional roles</p> <p>Seek funding to develop a booklet containing recommended size limits used by various Pacific</p>	<p>Officer went to Tokelau for three weeks to accompanied the facilitators to Tokelau to prepare Village Fisheries Management Plans (VFMP) for each of the 3 atolls. The VFMPs have been completed and submitted to the Niue Government.</p> <p>A visit by the Fisheries Management Adviser to Niue to follow up the fact finding mission by the Fisheries Management Officer in August last year. The model for the CBFM program has been completed in draft form awaiting finalisation after the training in August this year.</p> <p>Funds have been found and advertisement for legal person to carry out legislative work in countries is in process.</p> <p>Funds have been found and preparation for the workshop is underway.</p> <p>Three F-MACs have been established in Tokelau – one for each atoll. This was done during the visit by SPC to Tokelau in March.</p> <p>Workshop held in Apia in March cover the</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 3 – Fisheries Management		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>Provision of recommendations on size limits for important species on a regional basis to assist countries in the preparation of fisheries regulations.</p> <p>Provision of training in preparing non-technical publicity material to raise public awareness of the need for conservation, food security, fisheries management and fisheries regulations.</p> <p>Provision of assistance in conducting socio-economic assessments and relevant training of subsistence fisheries.</p>	<p>islands and from studies in the Pacific and elsewhere (new initiative under the SPFMSCFPI).</p> <p>Prepare Women in Fisheries bulletins No 13 and 14 in English and have bulletins No.12 and 13 translated into French.</p> <p>Assistance with at least one country in the preparation of public awareness material.</p> <p>Seek funding to carry out the socio-economic survey of subsistence fisheries in one location and to pursue ecosystems approach to fisheries (EAF) (new initiative under the SPFMSCFPI).</p>	<p>importance of the role of women in community resource management and their traditional roles.</p> <p>The Management Fisheries Officer will be conducting sessions on the role of women in community resources management and their traditional roles in the CETC training in July this year. Participatory Learning tools, exercises and field surveys done by women attending the course.</p> <p>Funds have been found and the fisheries officer from Marshall Island is being selected to carry this assignment as an attachment at SPC.</p> <p>Bulletin No13 and 14 completed and published in both English and French versions. Bulletin No.15 completed and published in English with French translation underway.</p> <p>Arrangements have been made to develop public awareness materials with the help of Samoa Fisheries Division.</p> <p>One time funding had been found and the Fisheries Management Fisheries Officer had carried out a study in one location in Vanuatu.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 3 – Fisheries Management		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 4 – Fisheries Training		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>CFP Objective 4 – Adequate human resource and technical skills capacity to manage and derive sustainable economic benefit from the fisheries sector</i></p> <p><b>Output 4.1: Training courses and workshops in fisheries topics where there is high priority, with an emphasis on in-country vocational training for enterprise development</b></p> <p><b>Generic activities</b> Sourcing co-funding to assist in the provision of high-priority vocational training.</p> <p>Coordinating an annual in-service training course for fisheries officers, particularly those newly-recruited. This course also provides a measure of regional harmonisation of standards and skills amongst fisheries departments and provides particular</p>	<p>A minimum of four funding proposals submitted to aid donors.</p> <p>Annual course for fisheries officers implemented; coordination of 6-week field component of the course in New Caledonia.</p>	<p>5 funding proposals submitted:</p> <ul style="list-style-type: none"> <li>- Sea safety awareness (vernacular posters) to France – 24,000 Euros (pending)</li> <li>- Production of shark ID cards to the Western Pacific Regional Fishery Management Council – US\$10,000 (pending)</li> <li>- Onboard tuna loining video to Taiwan/RoC – US\$22,000 (pending)</li> <li>- Seafood processing manual to Taiwan/RoC – US\$20,000 (pending)</li> <li>- Technical/economical assessment of shark processing for the Asian market to Taiwan/RoC – US\$9,000 (pending)</li> </ul> <p>Regional course for fisheries officers implemented from January to May (at New Zealand School of Fisheries); 6-week field</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 4 – Fisheries Training		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>opportunities for women fisheries officers.</p> <p>Coordinating regional or sub-regional training courses in priority areas not presently addressed by local institutions.</p> <p>Coordinating, or implementing short-term in-country vocational training courses and attachments in subject areas and islands where necessary local HRD support is not available.</p> <p>Collaborating with other CFP sections in the provision of training in support of enterprise development.</p> <p>Developing resource materials in support of training activities.</p>	<p>A minimum of one regional training course organised.</p> <p>A minimum of six national training courses and workshops organised or facilitated;</p> <p>A minimum of four individual training attachments organised.</p> <p>Collaboration with other Sections of the CFP on a minimum of three projects.</p> <p>SPC sea safety posters produced in at least four local languages;</p> <p>Booklet on “Marine Protected Species and the</p>	<p>component of the course run in New Caledonia (June-July). 10 officers trained.</p> <p>Third SPC/AFA Traineeship programme for Pacific Island fishermen organised in April-May at Adelaide/Port Lincoln (South Australia). 5 prospective vessel skippers trained.</p> <p>Four workshops implemented in the Cook Islands (onboard tuna handling): 64 fishermen, skippers, vessel operators, fisheries officers trained.</p> <p>One workshop facilitated in the Cook Islands (tuna grading): 20 local tuna fish packers/graders trained.</p> <p>One training attachment organised: - Fisheries instructor from Solomon Island School of Marine and Fisheries Studies attached to SPC Fisheries Training Section to supervise field component of 2004 SPC/Nelson Fisheries Officers course (7 weeks)</p> <p>3 collaborative projects with other Sections of CFP/OFP: - Involvement of SPC fisheries staff (all Sections) into delivery of field</p>



**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 4 – Fisheries Training		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>Output 4.2: Assessment of needs, and development of training strategies and programmes in the fisheries sector</b></p> <p><b>Generic activities</b> Coordination or implementation of sectoral training needs assessments.</p> <p>Assistance to fisheries administrations and local institutions in developing fisheries training strategies.</p> <p>Assistance to fisheries administrations and local institutions in developing locally-applicable fisheries training programmes.</p>	<p>tuna longline fishery in the Pacific islands” produced; at least one other resource material developed (manual, booklet, video or poster).</p> <p>A minimum of two sectorial training needs assessments conducted</p> <p>Facilitate/promote development of national strategies in small boat sea safety;</p> <p>Website development and Internet networking for PI training institutions: provide direct assistance to institutions in two countries (training of local staff in website development and maintenance, as required); At least one other sectorial training strategy elaborated</p> <p>Training packages on bycatch issues in pelagic longlining finalised and distributed to training institutions, their use as part of existing fishing industry courses promoted</p>	<p>component of 2004 SPC/Nelson Fisheries Officers course</p> <ul style="list-style-type: none"> <li>- Awareness campaign on bycatch issues in pelagic longlining with Fisheries Development Section</li> <li>- Development of shark ID cards with SPC Fisheries Observers programme</li> </ul> <p>SPC sea safety posters produced for and distributed in Papua New Guinea, Kiribati and Niue.</p> <p>Booklet “Protected marine species and the tuna longline fishery in the Pacific islands” produced in English and distributed</p> <p>One sectorial needs assessment undertaken:</p> <ul style="list-style-type: none"> <li>- technical and training needs assessment for the diversification of seafood exports in the Cook Islands.</li> </ul> <p>Coordination of an SPC/FAO expert consultation on sea safety in small fishing vessels – Suva, Fiji. Ongoing promotion of the consultation outcomes in the region.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 4 – Fisheries Training		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>Output 4.3: Co-ordination of fisheries training opportunities and exchange of information on training</b></p> <p><b>Generic activities</b> Maintenance of networks of fisheries administrations, training institutions, enterprises and consultants.</p> <p>Maintenance of the database of global training institutions and programmes relevant to Pacific Island fisheries personnel and regular publication of the annual Fisheries Training Directory.</p> <p>Maintenance of a confidential database on Pacific Island fisheries personnel training histories.</p> <p>Active maintenance of linkages and promotion of contact between training providers and fisheries personnel, through the ongoing development of the Section’s website and a bi-annual information bulletin on Fisheries Education and Training.</p>	<p>A minimum of six countries visited.</p> <p>Database of training institutions and programmes maintained; updated version of the Fisheries Training Directory published.</p> <p>Database of Pacific Island fisheries personnel maintained.</p> <p>Fisheries Training Section’s website updated; Two information bulletins produced and published.</p>	<p>Website for the Vanuatu Maritime College has been developed and is on line via the SPC website.</p> <p>Training package on the bycatch issue in pelagic longlining finalised and distributed to training institutions on the region. Training package presented and its use promoted at the meeting of the Pacific Islands Maritime Association (PacMA) in May.</p> <p>Three countries visited:</p> <ul style="list-style-type: none"> <li>- Fiji: fisheries administration, private sector, consultants</li> <li>- Cook Islands: fisheries administration, private sector</li> <li>- Vanuatu: fisheries administration, training institution, private sector</li> </ul> <p>Database maintained on an ongoing basis; Australian aquaculture training opportunities included; publication and distribution of the Fisheries Training Directory undertaken.</p> <p>Database maintained on an ongoing basis</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 4 – Fisheries Training		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
		Website updated; inclusion of a contact list for national fisheries training institutions

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 5 –Reef Fisheries Observatory		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>CFP Objective 5 – Scientifically rigorous information on the status, exploitation levels and prospects of fisheries is used by Pacific Islanders to sustainably manage living coastal resources</i></p> <p><b>Output 5.1: Establishment, and progressive improvement of quantitative assessments of the status of all aspects of reef fisheries at the local, national and regional levels</b></p> <p><i>Generic activities</i></p> <p><i>Scientific field studies at specific sites to assess the status of reef fish and invertebrate resources and human use of resources.</i></p> <p><i>Maintaining a regional reef fisheries database and data archival centre covering current and available historical data on resource, ecosystem, social and economic</i></p>	<p>Selection of field study sites to be made for Samoa, and 2 of the new ACP countries</p> <p>Fisheries and socio-economic surveys to be completed in French Polynesia, New Caledonia, and commenced in Kiribati and Tuvalu and one new ACP country</p> <p>Collection of existing data from countries to be surveyed including the recovery of data stored electronically where this has been lost.</p> <p>Enter all data into the reef fisheries database as it comes to hand and archive historical data as it is located.</p> <p>Publish a manual of socio-economic assessments of reef fisheries.</p>	<p>Samoa site selection mission planned for the second semester. Missions to new ACP countries will start with CoFish.</p> <p>French Polynesia surveys completed except for Moorea site. New Caledonia and Kiribati are currently surveyed. Tuvalu surveys will start next semester.</p> <p>Conducted as part of site selection mission.</p> <p>Database has been extended to store fisher surveys and existing data is currently integrated. New data is directly entered into the database.</p> <p>On-going activity.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 5 –Reef Fisheries Observatory		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><i>aspects of reef fisheries.</i></p> <p><i>Producing and publishing local, national and regional assessments of the status and prospects of reef fisheries targeted at various levels, including national Reef Fisheries Profiles.</i></p> <p>Identifying and validating potential easily-monitored indicators of reef fishery status.</p> <p><b>Output 5.2: Assistance to Pacific Island fisheries administrations with scientific advisory or analytical input into reef fisheries management problems</b></p> <p><b>Generic activities</b> Responses to urgent requests for advice, outside the planned scope of output 5.1, either based on information at hand, or requiring a specific, targeted field study, in collaboration with the CFP Fisheries Management Section as appropriate.</p> <p><b>Output 5.3: Capacity development of</b></p>	<p>Submit four scientific articles</p> <p>Finish and publish with IRD a book on ciguatera (status report on information and management of this problem).</p> <p>Analyse data as it comes in to try to identify easy-monitoring indicators.</p> <p>Respond to urgent requests for advice in a timely fashion based on the information available.</p> <p>At least two attachments to be arranged with PROCFISH.</p>	<p>Several articles and posters have been submitted to conferences (ICRS, 4th Fisheries World Congress in Vancouver,...) and scientific journals (MEPS, Fisheries Bulletin,...)</p> <p>On-going activity. The first draft is expected late august.</p> <p>On-going activity.</p> <p>Post-cyclonic assessment of Niue fish resources. Tonga beche-de-mer assessment in August.</p> <p>The attachment for French Polynesia has</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 5 –Reef Fisheries Observatory		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>Pacific Island scientists and researchers in reef fisheries assessment</b></p> <p><b>Generic activities</b> Medium-term attachments of Pacific Island scientists and researchers to the work of the Observatory.</p> <p>Occasional national or sub-regional workshops to share SPC standard methodologies, in collaboration with USP and others as appropriate.</p> <p>Co-working with PICT fisheries staff on field studies.</p>	<p>Round table discussions to be held with IRD, SPREP and USP.</p> <p>Training of local staff involved or working with the project in French Polynesia, New Caledonia and Kiribati</p>	<p>completed his work with PROCFish team. Currently an attachment for Kiribati and one for New Caledonia are working within the project.</p> <p>An attachment from Vanuatu has joined SPC on the LRFT initiative.</p> <p>Discussions held in June.</p> <p>Projects held in French Polynesia, New Caledonia, Kiribati and Vanuatu with local staff used in fieldwork.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 6 –Fisheries Information		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p><b>Objective 6: Easily-available, relevant and understandable aquatic living resource-based knowledge for member countries and territories;</b></p> <p><i>Output 6.1: Availability of useful information relevant to Pacific Islands fisheries development and management.</i></p> <p><b>Generic activities</b> Support to other CFP and OFP sections in the design, production, and dissemination of information products with respect to priority target audiences.</p> <p>Collection, collation, publication and dissemination of useful information relevant to Pacific Islands fisheries development and management priorities in areas linking the outputs of several other CFP and OFP sections, particularly public awareness materials, pamphlets, videos and posters.</p> <p>Production of fisheries bibliographies, cataloguing the availability of locally-available information and reports in PICTs.</p>	<p>Production of at least three technical reports/ newsletter/pamphlet for the other sections of the Marine Resources Division.</p> <p>Production of at least 3 fish posters, including 2 for Nauru Fisheries and marine Resources Authority; production a beche-de-mer identification cards for the region; production of a brochure on ciguatera in Niuean and Fijian (awareness programme at a regional level), production of fish ID cards for American Samoa.</p> <p>Production of fully-searchable CDs with all SPC Marine Resources Division publications (as requested by HOF 3 participants); production of fisheries bibliographies as required.</p> <p>On going upgrading of the Coastal Fisheries Programme Website and placement of new materials as they are published.</p>	<p>Code Longueur #1 (French translation of Fork Length) has been produced for OFP; the ciguatera book is underway, completion of the second and final chapter will be done at the end of August.</p> <p>The 2 fisheries posters for Nauru have been sent to a commercial printer and should be available for distribution in July 2004; the BDM ID cards have been sent to a commercial printer in Australia and will be ready in July/August; the Ciguatera brochure in Niuean and Fijian is still at the translation stage; the fish ID cards for American Samoa are being finalised.</p> <p>On-going project done in collaboration with the SPC Library and the IT Section; CD expected to be ready in September/October.</p> <p>Website is updated regularly as soon as new publications become available.</p>

**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 6 –Fisheries Information		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>Maintenance of material on the SPC Coastal Fisheries website (www.spc.int/coastfish).</p> <p>Output 6.2: Provision of a medium for dialogue between specialists on topics of priority interest to Pacific Island fisheries administrations</p> <p><b>Generic activities</b> Maintaining special interest networks, involving external experts as well as PICT practitioners, in specific fields deemed to be of high importance in the day-to-day work of PICT fisheries administrations.</p> <p>Producing 6-monthly information summary bulletins and a quarterly general fisheries newsletter that provide compendia of recent news and an opportunity for timely publication of new information and research.</p>	<p>Management of the existing Special Interest Groups (SIGs) and establishment of a new SIG on Safety at Sea, in collaboration with the Fisheries Training Section.</p> <p>8 Special Interest Group Information Bulletins will be published in English and 8 in French. Four issues in English and four issues in French of the SPC Fisheries Newsletter will be produced in a timely manner.</p> <p>Information and advice provided within one week of request being received.</p>	<p>The establishment of the new SIG will take place during the second half of 2004.</p> <p>Beche-de-mer Info. Bulletin #19, Live Reef Fish Info. Bulletin #12, Pearl Oyster Info. Bulletin #16, and Traditional Info. Bulletin #16 have been published in English; La bêche de mer Info. Bulletin #19, Ressources marines et commercialisation Info. Bulletin #12, Troca Info. Bulletin #10, and Huître perlière Info. Bulletin #16 has been published in French. Two issues in English and two issues in French of the SPC Fisheries Newsletter have been produced in a timely manner.</p> <p>Information and advice have been provided within one week of request being received, mainly through E-mail.</p>



**Part III: Summary table of workplan activities for 2004 with mid-year report on progress**

Component 6 –Fisheries Information		
Triennium Objectives & Outputs	2004 Activities and indicators	Mid-year assessment
<p>Acting as a general focal point for receiving information enquiries, processing and/or distributing these questions to other sections or agencies as appropriate.</p> <p><i>Output 6.3: Assistance to Pacific Islands in determining and prioritising their fisheries information needs and their strategies for fulfilling these needs</i></p> <p><b>Generic activities</b> Visits to PICTs to help assess information needs and the status of existing island information systems.</p> <p>Assistance in the production of specific information strategies and policies as required.</p> <p>Organising short-term training attachments for fisheries agents</p>	<p>At least four in-country visits organised and help in the organisation of small fisheries libraries/resources centre or training staff, in collaboration with the Pacific Islands Marine Resources Information System (pending funding availability)</p> <p>Production of information strategies (if required by member countries.</p> <p>At least one training attachment will be organised in 2004 (in-country, at SPC-Noumea or at USP-PIMRIS)</p>	<p>Two in-country visits have been organised (Fiji and Marshall Islands) and needs have been identified for the organisation of fisheries libraries. This activity will be carried out with the PIMRIS coordination unit when the new PIMRIS Coordinator will be in place, later in the year.</p> <p>No activity in that area</p> <p>One training attachment was organised with the attachment of Mr William Aruhane (Solomon Islands). The attachment took place, both at SPC’s headquarters in Noumea and in Koumac for the practical module of the SPC/Nelson fishing training course.</p>

## Part IV: Finances and financial statements for 2003

### Part IV: Finances and financial statements for 2004

The Coastal Fisheries Programme is expected to receive funding of 374,254,000 CFP for its operations in 2004. The table below gives a breakdown of the funding by donor and work area.

#### Coastal Fisheries Programme anticipated funding for 2004 (Programme, Core and Project funding)

Funding source	Aquaculture	Fisheries Development	Fisheries Management	Fisheries Training	Reef Fisheries Observatory	Fisheries Information	TOTAL
<i>Programme and Core funding</i>							
SPC core	0	13,994,000	0	0	0	0	13,994,000
AusAID	39,000,000	13,500,000	12,500,000	11,500,000	0	0	76,500,000
France	0	0	0	18,500,000	0	31,500,000	50,000,000
NZAID	0	12,000,000	12,000,000	10,000,000	0	0	34,000,000
<i>Sub-total**</i>	39,000,000	39,494,000	24,500,000	40,000,000	0	31,500,000	174,494,000
<i>Project</i>							
EU	0	0	0	0	125,000,000	0	125,000,000
C Secretariat	0	0	27,000,000	5,340,000	0	0	32,340,000
NZ PIE	0	3,470,000	0	1,370,000	0	0	4,840,000
Taiwan	0	1,930,000	0	2,400,000	0	0	4,330,000
AFMA	0	3,310,000	0	0	0	0	3,310,000
ACIAR	2,870,000	0	0	0	0	0	2,870,000
FAO	0	0	0	2,910,000	0	0	2,910,000
WPRFMC	0	0	0	0	0	500,000	500,000
MacArthur F	0	0	0	0	17,000,000	0	17,000,000
New Caledonia	0	0	0	6,660,000	0	0	6,660,000
<i>Sub-total</i>	2,870,000	8,710,000	27,000,000	18,680,000	142,000,000	500,000	199,760,000
<b>TOTAL</b>	<b>41,870,000</b>	<b>48,204,000</b>	<b>51,500,000</b>	<b>58,680,000</b>	<b>142,000,000</b>	<b>32,000,000</b>	<b>374,254,000</b>

Note: programme funding is fully acquitted by this particular report and comes from funds (more or less) guaranteed exclusively to SPC over the strategic plan period 2003-5 (although not necessarily to individual activities or sections). Financial management has also been simplified with the amalgamation of programme funding (AusAID, NZAID and French) into a single budget for each section. Project funding on the other hand is funding received for specific projects, some of which are multi year, and are reported to the donor separate to this report.

Attached: Six-monthly statement of income and expenditure which shows the funding provided for 2004 as well as some incidental funding that is not included in the above table. A summary of programme and core funding expenditure as at 30 June 2004 is provided in the table below. Note that the Reef Fisheries Observatory does not receive any Programme or Core funding as it is fully funded by the EU and reports directly to them. Therefore, no financial statement is provided for this project.

#### Summary of Programme and Core funding for 2004 with expenditure as of 30 June 2004.

Section	Programme and Core funding 2004 (CFP)	Mid-year expenditure (CFP)
Aquaculture	39,000,000	19,790,799
Fisheries Development (Core)	13,994,000	5,340,972
Fisheries Development (Programme)	25,500,000	12,070,861
Fisheries Management	24,500,000	11,875,096

#### Part IV: Finances and financial statements for 2003

Fisheries Training	40,000,000	21,882,302
Fisheries Information	31,500,000	16,024,811
<b>Total</b>	<b>174,494,000</b>	<b>86,984,841</b>

**Part IV: Finances and financial statements for 2003**

**NON-STATUTORY FUNDING**  
**STATEMENT OF INCOME AND EXPENDITURE**

EXECUTING AGENCY	:	SECRETARIAT OF THE PACIFIC COMMUNITY
PROJECT NAME	:	PROGRAMME FUNDING -AQUACULTURE
PROJECT CODE	:	30P800
PROJECT OFFICER	:	BEN PONIA
PERIOD	:	1 JANUARY - 30 JUNE 2004
CURRENCY	:	CFP FRANCS

	Preceding Period	from January 2004 to June 2004	Combined Income
<b>INCOME</b>			
AUSAID CONTRIBUTION 04		36,000,000	
FAO-SAPA US\$2300.00		222,724	
Atoll Seaweed Comp NS7131		447,142	
C/F Funds 2003 AUS Aid		3,000,000	
			39,669,866
<b>TOTAL FUNDS AVAILABLE</b>	<b>0</b>	<b>0</b>	<b>39,669,866</b>

EXPENDITURE IN FCFP			
	Preceding Period(s)	from January 2004 to June 2004	Combined Expenditure
<b>EXPENDITURE</b>			
Personnel	0	10,994,508	10,994,508
Travel	0	4,022,042	4,022,042
Fieldwork, studies and survey	0	(94,128)	(94,128)
Capital (including equipment)	0	0	0
Training (incl.workshop & meetings)	0	2,047,248	2,047,248
General and operating	0	2,162,004	2,162,004
Publications	0	1,336	1,336
Grants	0	0	0
<b>TOTAL EXPENDITURE</b>	<b>0</b>	<b>8,796,291</b>	<b>19,790,799</b>
<b>FUNDS ON HAND AS AT 30 JUNE 2004</b>			<b>19,879,067</b>

\* Total of funds committed but not spent yet **27,810**

Date : 5 July 2004

Certified correct by :

\_\_\_\_\_  
Hervé Delahaie  
Finance Manager (non-core)

**Part IV: Finances and financial statements for 2003**

**CORE FUNDING**  
**STATEMENT OF INCOME AND EXPENDITURE**

EXECUTING AGENCY : SECRETARIAT OF THE PACIFIC COMMUNITY  
 PROJECT NAME : CORE FUNDING - FISHERIES DEVELOPMENT  
 PROJECT CODE : 300200  
 PROJECT OFFICER : LINDSAY CHAPMAN  
 PERIOD : 1 JANUARY - 30 JUNE 2004  
 CURRENCY : CFP FRANCS

	Preceding Period	from January 2004 to June 2004	Combined Income
<b>INCOME</b> Core Funds for the Year		13,994,000	13,994,000
<b>TOTAL FUNDS AVAILABLE</b>		<b>13,994,000</b>	<b>13,994,000</b>

<b>EXPENDITURE IN FCFP</b>			
	Preceding Period(s)	from January 2004 to June 2004	Combined Expenditure
<b>EXPENDITURE</b>			
Personnel		4,780,719	4,780,719
Travel		171,210	171,210
General and operating		389,043	389,043
<b>TOTAL EXPENDITURE</b>		<b>5,340,972</b>	<b>5,340,972</b>

**TOTAL FUNDS AVAILABLE** **8,653,028**

\* Total of funds committed but not paid yet **413,250**

Date : 15 July 2004

Certified by :

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Folole Hanipale  
Finance Manager (Core)

**Part IV: Finances and financial statements for 2003**

**NON-STATUTORY FUNDING**  
**STATEMENT OF INCOME AND EXPENDITURE**

EXECUTING AGENCY	:	SECRETARIAT OF THE PACIFIC COMMUNITY
PROJECT NAME	:	PROGRAMME FUNDING - FISHERIES DEVELOPMENT
PROJECT CODE	:	30P200
PROJECT OFFICER	:	LINDSAY CHAPMAN
PERIOD	:	1 JANUARY - 30 JUNE 2004
CURRENCY	:	CFP FRANCS

	Preceding Period	from January 2004 to June 2004	Combined Income
<b>INCOME</b>			
AUSAID CONTRIBUTION 04		12,000,000	
NZAID CONTRIBUTION 04		12,000,000	
C/F Funds 2003 AUS AID		1,500,000	
			25,500,000
<b>TOTAL FUNDS AVAILABLE</b>	<b>0</b>	<b>0</b>	<b>25,500,000</b>

<b>EXPENDITURE IN FCFP</b>			
	Preceding Period(s)	from January 2004 to June 2004	Combined Expenditure
<b>EXPENDITURE</b>			
Personnel	0	10,985,426	10,985,426
Travel	0	1,060,860	1,060,860
Fieldwork, studies and survey	0	0	0
Capital (including equipment)	0	0	0
Training (incl. workshop & meetings)	0	0	0
General and operating	0	24,575	24,575
Publications	0	0	0
Grants	0	0	0
<b>TOTAL EXPENDITURE</b>	<b>0</b>	<b>1,085,435</b>	<b>12,070,861</b>

<b>FUNDS ON HAND AS AT 30 JUNE 2004</b>			<b>13,429,139</b>
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\* Total of funds committed but not spent yet **0**

Date : 5 July 2004

Certified by :

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Hervé Delahaie  
Finance Manager (non-core)

**Part IV: Finances and financial statements for 2003**

**NON-STATUTORY FUNDING**  
**STATEMENT OF INCOME AND EXPENDITURE**

EXECUTING AGENCY	:	SECRETARIAT OF THE PACIFIC COMMUNITY
PROJECT NAME	:	PROGRAMME FUNDING - FISHERIES MANAGEMENT
PROJECT CODE	:	30P700
PROJECT OFFICER	:	UETA FA'ASILI
PERIOD	:	1 JANUARY - 30 JUNE 2004
CURRENCY	:	CFP FRANCS

	Preceding Period	from January 2004 to June 2004	Combined Income
<b>INCOME</b>			
AUSAID CONTRIBUTION 04		12,500,000	
NZAID CONTRIBUTION 04		12,000,000	
<b>TOTAL FUNDS AVAILABLE</b>	<b>0</b>	<b>0</b>	<b>24,500,000</b>

	EXPENDITURE IN FCFP		
	Preceding Period(s)	from January 2004 to June 2004	Combined Expenditure
<b>EXPENDITURE</b>			
Personnel	0	9,650,415	9,650,415
Travel	0	1,981,895	1,981,895
Fieldwork, studies and survey	0	0	0
Capital (including equipment)	0	0	0
Training (incl.workshop & meetings)	0	0	0
General and operating	0	134,953	134,953
Publications	0	107,833	107,833
Grants	0	0	0
<b>TOTAL EXPENDITURE</b>	<b>0</b>	<b>2,224,681</b>	<b>11,875,096</b>

<b>FUNDS ON HAND AS AT 30 JUNE 2004</b>			<b>12,624,904</b>
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* Total of funds committed but not spent yet	<b>0</b>
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Date : 5 July 2004

Certified correct by :

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Hervé Delahaie  
Finance Manager (non-core)

**Part IV: Finances and financial statements for 2003**

**NON-STATUTORY FUNDING**  
**STATEMENT OF INCOME AND EXPENDITURE**

EXECUTING AGENCY	:	SECRETARIAT OF THE PACIFIC COMMUNITY
PROJECT NAME	:	PROGRAMME FUNDING - FISHERIES TRAINING
PROJECT CODE	:	30P400
PROJECT OFFICER	:	MICHEL BLANC
PERIOD	:	1 JANUARY - 30 JUNE 2004
CURRENCY	:	CFP FRANCS

	Preceding Period	from January 2004 to June 2004	Combined Income
<b>INCOME</b>			
AUSAID CONTRIBUTION 04		11,500,000	
FRANCE-CONTRIBUTION 04		18,500,000	
NZAID CONTRIBUTION 04		7,540,000	
C/F Funds 2003 NZ AID		2,460,000	
C/F Funds 2003		(162,752)	
			39,837,248
<b>TOTAL FUNDS AVAILABLE</b>	<b>0</b>	<b>0</b>	<b>39,837,248</b>

<b>EXPENDITURE IN FCFP</b>			
	Preceding Period(s)	from January 2004 to June 2004	Combined Expenditure
<b>EXPENDITURE</b>			
Personnel	0	11,768,835	11,768,835
Travel	0	983,196	983,196
Fieldwork, studies and survey	0	0	0
Capital (including equipment)	0	0	0
Training (incl.workshop & meetings)	0	7,541,600	7,541,600
General and operating	0	902,145	902,145
Publications	0	686,526	686,526
Grants	0	0	0
<b>TOTAL EXPENDITURE</b>	<b>0</b>	<b>10,113,467</b>	<b>21,882,302</b>

<b>FUNDS ON HAND AS AT 30 JUNE 2004</b>			<b>17,954,946</b>
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\* Total of funds committed but not spent yet **0**

Date : 5 July 2004

Certified correct by :

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Hervé Delahaie  
Finance Manager (non-core)



**Part IV: Finances and financial statements for 2003**

**NON-STATUTORY FUNDING**  
**STATEMENT OF INCOME AND EXPENDITURE**

EXECUTING AGENCY	:	SECRETARIAT OF THE PACIFIC COMMUNITY
PROJECT NAME	:	PROGRAMME FUNDING -FISHERIES INFORMATION
PROJECT CODE	:	30P500
PROJECT OFFICER	:	JEAN PAUL GAUDECHOUX
PERIOD	:	1 JANUARY - 30 JUNE 2004
CURRENCY	:	CFP FRANCS

	Preceding Period	from January 2004 to June 2004	Combined Income
INCOME			
FRANCE-CONTRIBUTION 04		31,000,000	
C/F Funds 2003 France AID		500,000	
			31,500,000
<b>TOTAL FUNDS AVAILABLE</b>	<b>0</b>	<b>0</b>	<b>31,500,000</b>

	EXPENDITURE IN FCFP		
	Preceding Period(s)	from January 2004 to June 2004	Combined Expenditure
EXPENDITURE			
Personnel	0	11,804,252	11,804,252
Travel	0	790,410	790,410
Fieldwork, studies and survey	0	0	0
Capital (including equipment)	0	279,109	279,109
Training (incl.workshop & meetings)	0	72,020	72,020
General and operating	0	1,634,120	1,634,120
Publications	0	1,444,900	1,444,900
Grants	0	0	0
Contingency			
<b>TOTAL EXPENDITURE</b>	<b>0</b>	<b>16,024,811</b>	<b>16,024,811</b>
<b>FUNDS ON HAND AS AT 30 JUNE 2004</b>			<b>15,475,189</b>

\* Total of funds committed but not spent yet **882,946**

Date : 5 July 2004

Certified correct by :

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Hervé Delahaie  
Finance Manager (non-core)

## **Part IV: Finances and financial statements for 2003**