

Secretariat of the Pacific Community

4th SPC Heads of Fisheries Meeting

(30 August – 3 September 2004, Noumea, New Caledonia)

Information Paper 16

Original: English

**Pacific ACP and OCT Regional Oceanic and Coastal Fisheries
Development Programme (PROCFish)
Coastal Component – Project Update Summary August 2004**



Pacific ACP and OCT Regional Oceanic and Coastal Fisheries Development Programme (PROCFish)

Coastal Component - Project Update Summary August 2004

Purpose of the Project

“Providing the basis for better management of reef fisheries in the region thereby improving future food security, rural income, and social and environmental stability by providing the baseline information on which Pacific Islands can take action”

Participating Countries

PROCFISH I (03 / 02 to 03/ 07)
Fiji
Kiribati
New Caledonia
PNG
French Polynesia
Samoa
Solomon Islands
Tonga
Tuvalu
Vanuatu
Wallis & Futuna

PROCFISH II (05 / 04 to 05 / 07)
Cook Islands
Federated States of Micronesia
Marshall Islands
Nauru
Niue
Palau

Expected Outputs

- First ever region-wide comparative assessment of the status of reef fisheries using standardised methodology.
- Application and dissemination of results in country reports comprising a set of "coastal fishery resource profiles" for the sites in each country to provide information for coastal fisheries development and management planning.
- Development of a set of indicators/proxies, or fishery status reference points, for use as guidance when developing local and national reef fishery management plans and monitoring programs.
- Toolkits (Manuals, Software and Training Programs) for assessing & monitoring reef fisheries and increased capacity in using standardized survey methodologies across Fisheries Departments in participating countries
- Data / Information management systems – Regional and National DBases
- Not specified but proposed - Develop follow up projects that utilize this information to address specific challenges commonly experienced by fisheries departments and target communities, working towards sustaining and improving resource management in the region (involving SPC Coastal Fisheries Programme more widely).



What is different about this project: PROCFish/C is the most comprehensive, interdisciplinary assessment of reef fisheries to ever be undertaken in the region. The **interdisciplinary** nature of the project, combined with the **scale** and **scope** of the project (regional scale but site-based) makes this a very innovative approach to reef fisheries management in the region and even globally. Yes – we are using traditional survey techniques – standardized so that each site is treated the same and yes - there has been some work of this nature done in the regional previously, but this has been mostly ad hoc / localised or single site focus – what we are doing is different for 3 reasons: 1. we are applying the same technique across the whole region and amassing a significant body of information not currently available that will be of value to the countries and 2 ; we are looking at both the ecological and socio-economic aspect of marine resource use at the same sites, and most importantly –3. we are taking this a step further than the traditional approach – as well as being able to use the information for describing the resources / habitats / socio-economic environment / status we will be taking this information at a comparative scale across the region to attempt to determine the links between the different factors to try to find a “suite of indicators” that can be used in country to monitor fishery / resource status and input into fishery management policies and actions.

What has been achieved (Mar ‘02 to Aug ‘04):

A considerable amount of targeted outputs have been achieved in the first 2.5 years.

Data and Information Collection and Management: The in-country field work had been extensive (Attachment) involving on average, a dedication 25-30 working days per team member per site (including preparatory time). The project incorporates four sites per country. A significant body of data and information has been accumulated. An information management system and repository has been developed to house this and facilitate data access and analysis (pending agreement on a policy for data access and sharing). At this point we now have sufficient dataset to permit us to i) determine what should be the most useful content for country reports and, ii) start to explore the best mechanisms for analyzing the regional data set to determine what combination of resource and socio-economic indicators provide the most accurate assessment of the status of reef fisheries for ongoing monitoring and management.

Capacity: National personnel have been involved in project activities both on long-term (up to 6 months) attachment to the project and through shorter term engagement by participation in all aspects of fieldwork. The PROCFish/C team also provided training on the standardised methodologies to participants of the 2004 SPC-Nelson Training Course.

Tool-kits: We have developed a Standard Set of Methodologies for Resource and Socio-Economic Assessment and data analyses. These are being made available in the form of Manuals and accompanying software to Fisheries Departments and other organizations in the region. Training in the use of these tool-kits and in survey implementation is an ongoing activity of the project.

What next? The main focus of activities for the remainder of the project is outlined in the table below. As we are almost at the mid point of Phase I of the project, we will focus the remainder of this project year (Sept 04 to March 05) on completing field work in Kiribati and Tuvalu and on consolidation; writing reports for those countries where work has been completed (Nov to March) and testing the analysis options for developing indicators from the regional data set and refining these analyses.

Recruitment of additional team members under Phase II funding is also an immediate priority post the Heads of Fisheries Meeting.

	2002 / 03 YR 1	2003 / 04 YR 2	2004 / 05 YR 3	2005 / 06 YR 4	2006/07 YR 5
PROCFISH I					
Fiji					
Kiribati					
New Caledonia					
PNG				Site Select	
French Polynesia					
Samoa			Site Select		
Solomon Islands				Site Select	
Tonga					
Tuvalu					
Vanuatu					
Wallis & Futuna			Site Select		
PROCFISH II					
Cook Islands					
Federated States of Micronesia				Site Select	
Marshall Islands				Site Select	
Nauru			Site Select		
Niue			Site Select		
Palau				Site Select	
Country Reports					
Final Analysis / Reporting and complete any outstanding fieldwork					

Note: Fieldwork Schedule is tentative subject to discussion with countries.

Field trip completion schedule March 2002 to August 2004

Country	Sites	Starting date	End date	Participants	Activities
Tonga (Vava'u)	Mataika, Ovaka	26/02/02	23/03/02	Mecki Kronen, Pierre Labrosse, Kim Friedman, Eric Clua, Michel Kulbicki (IRD), Gérard Mou-Tham (IRD),	Socio-economic survey Fish and invertebrate resource assessment
Tonga (Tongatapu)	Ha'atafu, Manuka	22/06/02	6/07/02	Mecki Kronen	Socio-economic survey
Tonga (Tongatapu)	Ha'atafu, Manuka	28/07/02	11/08/02	Mecki Kronen, Pierre Labrosse, Kim Friedman, Eric Clua Michel Kulbicki (IRD), Gérard Mou-Tham (IRD), René Galzin (EPHE), Pascale Chabanet (Univ. de la Réunion),	Socio-economic survey Fish resource assessment Invertebrate resource assessment
Tonga (Ha'apai)	Koulo, Lofanga	24/11/02	15/12/02	Mecki Kronen, Pierre Labrosse, Being Yeeting, Michel Kulbicki (IRD), Jocelyne Ferraris, Gérard Mou-Tham (IRD), Nick Dulvy (Univ. of Newcastle), Peter Donaldson (Univ. of Guam), Guy Fontenelle (ENSAR, Rennes),	Socio-economic survey Fish resource assessment
Fiji (Viti Levu)	Muaivuso	2/08/02	10/08/02	Mecki Kronen	Socio-economic survey
Fiji (Lau group)	Nukunuku, Nasaqalau	7/09/03	21/09/02	Mecki Kronen	Socio-economic survey
Fiji (Viti Levu)	Dromuna	3/10/02	22/10/02	Mecki Kronen	Socio-economic survey
Fiji (Lau group)	Nukunuku, Nasaqalau	26/10/02	18/11/02	Laurent Vigliola, Samasoni Sauni, Michel Kulbicki (IRD), Gérard Mou-Tham (IRD), Kim Friedman, Eric Clua, Standly Qalovaki, Jovesa	Fish resource assessment Invertebrate resource assessment

Country	Sites	Starting date	End date	Participants	Activities
Fiji (Vanua Levu)	Lakeba, Nakawaqa	9/11/02	23/11/02	Mecki Kronen	Socio-economic survey
New Caledonia	Oundjo	25/11/02	7/12/02	Pierre Labrosse, Laurent Vigliola, Samasoni Sauni	Fish resource assessment
Fiji (Viti Levu)	Dromuna, Muaivuso	25/01/03	11/02/03	Kim Friedman, Samasoni Sauni, Standly Qalovaki	Invertebrate resource assessment
Vanuatu	Efate, Malekula, Epi islands	14/02/03	28/02/03	Laurent Vigliola	Site selection
New Caledonia	Oundjo	12/03/03	14/03/03	Laurent Vigliola	Fish resource assessment
Fiji (Viti Levu)	Dromuna, Muaivuso	14/04/03	27/04/03	Samasoni Sauni, Laurent Vigliola, Michel Kulbicki (IRD), Gérard Mou-Tham (IRD), Nicola (IRD), Standly Qalovaki	Fish resource assessment
Fiji (Viti Levu)	Dromuna, Muaivuso	12/05/03	23/05/03	Lilian Fay-Sauni, (Mecki Kronen)	Socio-Economic survey
Fiji (Vanua Levu)	Mali, Lakeba	08/06/03	03/07/03	Kim Friedman, Samasoni Sauni, Laurent Vigliola, Michel Kulbicki (IRD), Gérard Mou-Tham (IRD), Christian Ramofiafia (Worldfish), Standly Qalovaki	Fish & Invertebrate resource assessment
Kiribati	Christmas Island	20/06/03	09/07/03	Franck Magron / Being Yeeting	Site Selection and Research and development of Kiritimati bonefish management plan and regulations
New Caledonia	Thio	25/06/03	26/06/03	Claire Marty, Mecki Kronen	Socio-economic survey in Thio
New Caledonia	Thio	29/06/03	06/07/03	Claire Marty	Socio-economic survey in Thio
Fiji (Vanua Levu)	Lakeba, Mali island	14/07/03	24/07/03	Lilian Fay-Sauni	Socio-Economic survey

Country	Sites	Starting date	End date	Participants	Activities
Vanuatu (Efate)	Paunangisu, Moso	14/07/03	01/08/03	Laurent Vigliola, Samasoni Sauni	Finfish survey in Paunangisu and Moso villages
Vanuatu (Efate)	Paunangisu, Moso	21/07/03	04/08/03	Kim Friedman, Kalo Pakoa	Invertebrate survey in Paunangisu and Moso villages
Tuvalu	Funafuti	30/08/03	09/09/03	Franck Magron	Site selection and collection of data from Fisheries Division
Tuvalu	Funafuti	30/08/03	13/09/03	Samasoni Sauni	Site selection
French Polynesia	Tikehau, Mataiea	27/09/03	14/10/03	Samasoni Sauni, Kim Friedman, Laurent Vigliola	Finfish & invertebrate surveys
Vanuatu (Efate)	Paunangisu, Moso	13/10/03	27/10/03	Mecki Kronen	Socio-economic survey
Wallis & Futuna	Wallis, Futuna	18/10/03	28/10/03	Franck Magron	Site selection
New Caledonia	Oundjo	03/11/03	14/11/03	Pierre Boblin	Finfish survey
Vanuatu (Malekula)	Maskelynes, Uri-Uripiv	14/11/03	08/12/03	Laurent Vigliola, Samasoni Sauni, Kim Friedman, Pierre Boblin, Kalo Pakoa	Finfish and invertebrate surveys
Vanuatu (Malekula)	Maskelynes, Uri-Uripiv	28/11/03	12/12/03	Mecki Kronen	Socio-economic survey
New Caledonia	Ouassé, Oundjo	12/01/04	23/01/04	Kim Friedman, Pierre Boblin	Invertebrate survey
French Polynesia	Tikehau, Mataiea, Raivavae, Fakarava	17/01/04	15/02/04	Mecki Kronen	Socio-economic survey
New Caledonia	Thio	02/02/04	07/02/04	Kim Friedman, Pierre Boblin	Invertebrate survey
New Caledonia	Oundjo	15/02/04	21/02/04	Laurent Vigliola, Pierre Boblin	Finfish survey
New Caledonia	Thio	02/03/04	05/03/04	Laurent Vigliola, Pierre Boblin	Finfish survey

Country	Sites	Starting date	End date	Participants	Activities
French Polynesia	Raivavae, Fakarava	6/03/04	30/03/04	Samasoni Sauni, Nicolas Maihota (IRD), Kim Friedman, Yann Paureau	Finfish & invertebrate surveys
New Caledonia	Thio	29/03/04	31/03/04	Laurent Vigliola, Pierre Boblin	Finfish survey
New Caledonia	Moindou	05/04/04	06/04/04	Laurent Vigliola, Pierre Boblin	Finfish survey
New Caledonia	Moindou	03/05/04	07/05/04	Laurent Vigliola, Pierre Boblin	Finfish survey
New Caledonia	Thio	10/05/04	14/05/04	Laurent Vigliola, Pierre Boblin	Finfish survey
New Caledonia	Lifou	07/06/04	17/06/04	Laurent Vigliola, Pierre Boblin	Finfish survey
New Caledonia	Ouasse	21/06/04	25/06/04	Mecki Kronen	Socio-Economic Survey
Kiribati	Kuria, Abemama	04/05/04	04/06/04	Samasoni Sauni, Ribanataake Awira, Kim Friedman, Toaea Teekateuea	Finfish & invertebrate surveys
Kiribati	Abaiang	19/06/04	03/07/04	Samasoni Sauni, Ribanataake Awira	Finfish survey
New Caledonia	Ouassé	02/08/04	13/08/04	Samasoni Sauni, Pierre Boblin	Finfish survey
Kiribati	Christmas Island	05/08/04	19/08/04	Mecki Kronen	Socio-Economic Survey
Tonga	Ha'apai Tongatapu	08/08/04	27/08/04	Kim Friedman, Christian Ramofiafia, Peter Ramohia, Paul Lokani, Poasi Fale, Sione Mailau	Invertebrate Surveys