

# CRISP

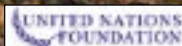
Coral Reef Initiative for South Pacific  
Initiative Corail pour le Pacifique Sud

## Inaugural technical workshop for the CRISP Project

# REPORT

Nouméa

24th-28th Jan. 2005



## CONTENTS

<b>REPORT EXECUTIVE SUMMARY</b>	<b>3</b>
<b>PROJECT TABLE</b>	<b>4</b>
<b>LIST OF ACRONYMS</b>	<b>5</b>
<b>INTRODUCTION</b>	<b>7</b>
<b>1- PREPARATION AND LAUNCHING OF THE CRISP PROJECT</b>	<b>9</b>
<b>2- PROJECT DESCRIPTION</b>	<b>12</b>
<b>3- PROJECT FUNDING</b>	<b>20</b>
<b>4- PROJECT GEOGRAPHY</b>	<b>21</b>
<b>5- WORKSHOP PROGRAMME</b>	<b>22</b>
<b>6- SUMMARY OF DISCUSSIONS</b>	<b>23</b>
<b>7- ACTION PLAN YEAR 1 - COMPONENT 1</b>	<b>25</b>
<b>8- ACTION PLAN YEAR 1 - COMPONENT 2A</b>	<b>29</b>
<b>9- ACTION PLAN YEAR 1 - COMPONENT 2B</b>	<b>33</b>
<b>10- ACTION PLAN YEAR 1 - COMPONENT 2C</b>	<b>34</b>
<b>11- ACTION PLAN YEAR 1 - COMPONENT 2D</b>	<b>35</b>
<b>12- ACTION PLAN YEAR 1 - COMPONENT 3A</b>	<b>37</b>
<b>13- ACTION PLAN YEAR 1 – COMPONENT 3B</b>	<b>37</b>
<b>14- PROJECT GEOGRAPHICITY (TABLE)</b>	<b>39</b>
<b>15- GENERAL RECOMMENDATIONS AND PROSPECTS</b>	<b>40</b>
<b>15- MEDIA IMPACT OF THE WORKSHOP</b>	<b>42</b>
<b>CONCLUSIONS</b>	<b>43</b>
<b>ANNEXES</b>	<b>44</b>
<b>ANNEX 1- List of participants</b>	<b>44</b>

## SUMMARY

The Initiative for the Protection and Sustainable Development of Coral Reefs in the South Pacific (CRISP) was initiated by France in 2002. The Agence Française de Développement (French Development Agency – AFD) designed the technical content of the project, which comprises three main components to be supervised by four lead agencies (CI, CNRS, IRD, UNF), coordinating the work of 17 operators in 15 island countries and territories of the South Pacific. Component 1 addresses the definition of an ecoregional strategy for reef biodiversity conservation, the setting up of MPAs and support for existing ones and the development of tools for integrated coastal management (including watershed management, land tenure, socio-economics and sociology). Component 2 encompasses knowledge development, monitoring, rehabilitation and economic use of reef ecosystems. Component 3 specifically targets communication, knowledge collection and sharing and coordination of the whole project. As of 1st January 2005, the total project budget is around € 8.7 M, made up of funds from CI (€1,2 M), UNF (€0,9 M), MAE (€0,9 M), WWF (€0,5 M), and IRD (€) (0,2 M which supplement the initial funding from AFD (€3 M) and the French GEF (€2 M). The project duration is 3 years (completion scheduled for June 2008) and coordination is provided by a Coordination Unit based at SPC Noumea (New Caledonia). The initiative seeks to serve as a vector for regional integration between developed and developing countries of the Pacific. The development of partnerships with all other research or funding agencies involved in the sustainable development of coral reefs in the South Pacific and other oceans around the world is therefore a priority.

As a logical step forward after the presentation of the he French Regional Initiative for the Protection and Management of Coral Reefs in the Pacific at the last ICRI CPC meeting in Okinawa (July 2004), CRISP was officially launched by the French Minister of Ecology and Sustainable Development, M. Serge Lepeltier during the annual SPREP meeting and the Meeting of the Ministers of the Environment that took place in Papeete in September 2004.

AFD organized the First CRISP Project workshop in January 2005 at SPC Noumea (New Caledonia). This workshop was fully funded by the French Pacific Fund. More than 110 people took part in it, 60 of whom attended all the sessions. (See main participants list in Appendix). These people were mainly researchers (IRD, CNRS-EPHE, CRIOBE, CIRAD, USP, AIMS, UPF, UNC, WFC), freelance consultants (CAREX, ECOCEAN, PTPU), project managers (CP UNESCO WH, IFRECOR PF) and members of NGOs (CI, WWF, FSPI) or Pacific regional organizations (SPREP, SPC). The workshop's terms of reference included the following objectives: i) to allow the various technical partners, whose headquarters are located in a wide range of geographical areas, to come together and thereby establish the good working relations needed to ensure the project's success ; ii) to provide all the partners with a coherent overall vision of the actions to be carried out as part of CRISP ; iii) to finalise the action plans for Year 1 ; iv) to learn how the project will operate and be coordinated.

All objectives were met at the workshop and, in addition to action plans and detailed budgets for Year 1, proposals were made about indicators for monitoring performances of CRISP operators. Several recommendations emerged. Potential partnerships were also discussed or reinforced, including interest from Australia in joining the CRISP project and the planning of joint operations with the UNESCO World Heritage Central Pacific Project, the PROCFish project and the Worldbank GEF-Coral Reef Targeted Research project. The workshop was an opportunity to underscore the specific thrusts of the CRISP project, which are the priority that will be put on beneficiaries such as local communities, with specific components dealing with knowledge transfer, and the role of the economy as a positive factor for ensuring sustainability of marine resources, with specific actions dealing with the setting up of commercial operations.

Further information about the 2005 Noumea workshop and the CRISP project is available on the website  
[www.spc.int/CRISP](http://www.spc.int/CRISP) or contacting the coordinating unit:

Cellule de coordination du projet CRISP - *Coordination unit of CRISP project.*  
CPS/SPC - BP D5 98848 Nouméa Cedex - Nouvelle-Calédonie - *New-Caledonia*

Tel : +687 26 54 71 / fax : +687 26 38 18

Chef de projet – *Project manager*

Eric CLUA

Email : [ericc@spc.int](mailto:ericc@spc.int)



# PROJECT TABLE

INITIATIVE FOR THE PROTECTION AND SUSTAINABLE DEVELOPMENT OF CORAL REEFS IN THE SOUTH PACIFIC		Acronym : CRISP (Coral Reef Initiative for the South Pacific)							
Duration :	Project launch : September 2004	Technical launch : January 2005	Implementation from : April 2005	Completion : June 2008					
Main funding agencies	AFD € 3 M	FFEM € 2 M	UNF € 0.9 M	MAE € 0.9 M	WWF € 0.5 M	IRD € 0.2 M	Total € 8.7 M		
Components	<b>COMPONENT 1</b> Integrated coastal management, AMPs		<b>COMPONENT 2</b> coral ecosystems		<b>COMPONENT 3</b> support and coordination				
Sub-Components	outputs 1.1, 1.2, 1.3, 1.5	output 1.4	2A	2B	2C	2D	3A	3B	
Main goal	Ecoregional conservation strategy, MPAs	Integrated coastal management	Knowledge, management, development	Rehabilitation of ecosystems	Development of marine active substances	Regional database	Institutional support, capitalization	Coordination	
Lead agencies	Conservation International		CNRS		IRD			UNF	FCI, CPS
Contribution	2.4 M	1.3 M	1 M	0.3 M	0.7 M	0.8 M	1 M	1.2 M	
Main implementing agencies	CI, WWF, FSPI, ASMP, IFRECOR PF, PTPU, IRD	CIRAD, IAC, IRD	CNRS, IRD, USP	CAREX, FSPI	IRD, USP	WFC, ICRAF, EPHE-CRIOBE	ICRAN, PROE	FCI	
Activities	Definition of ecoregional strategy for conservation (Pacif, NC, FP) setting up and support to MPAs Networking of MPA professionals Watershed management – Land tenure Socio-economic value of reefs Decision-making aids		Reef fish larvae development Indicators for coral reef management and monitoring, Training, knowledge transfer	Drafting of technical manual, setting up and monitoring of 2 sites	Taxonomy of benthic invertebrates screening of active substances – Training Improvement of legislation	Setting up of a regional database, Internet gateway – Information material production	Definition of a strategy for knowledge transfer – Integrated coastal management – Networking – Training	Coordination and monitoring of activities – Development of partnerships	
Pacific countries involved (incomplete list))	Solomons, Tuvalu, Vanuatu, Tonga, New - Caledonia, Samoa, Kiribati, French Polynesia, Cooks, Wallis & Futuna		New - Caledonia, Fiji, Kiribati, Tokelau, Tonga, French Polynesia, Vanuatu, Cooks, Wallis & Futuna	Fiji, Kiribati, Tuvalu	Cooks, Fiji, Solomons	All	All	All	

## LIST OF ACRONYMS

<b>AFD</b>	Agence Française de Développement
<b>AIMS</b>	Australian Institute for Marine Sciences
<b>AMP</b>	Aire Marine Protégée
<b>ANO</b>	Avis de Non Objection
<b>ASMPA</b>	Aleita Safata Marine Protected Area
<b>CGIAR</b>	Consultative Group on International Agriculture Research
<b>CI</b>	Conservation International
<b>CIRAD</b>	Centre International de la Recherche Agronomique pour le Développement
<b>CNRS</b>	Centre National de la Recherche Scientifique
<b>CPS</b>	Secrétariat de la Communauté du Pacifique
<b>CRIOBE</b>	Centre de Recherches Insulaires et Observatoire de l'Environnement
<b>CRISP</b>	Coral Reef Initiative for the South Pacific
<b>CSIRO</b>	Commonwealth Science and Industrial Research Organisation
<b>CTOM</b>	Collectivités Territoriales d'Outre-Mer
<b>ENSAR</b>	Ecole Nationale Supérieure Agronomique de Rennes
<b>EPHE</b>	Ecole Pratique des Hautes Etudes
<b>FCI</b>	France Coopération Internationale
<b>FFEM</b>	Fonds Français pour l'Environnement Mondial
<b>FSPI</b>	Foundation of the Peoples of the South Pacific International
<b>GCRMN</b>	Global Coral Reef Monitoring Network
<b>GEF</b>	Global Environment Facility
<b>IAC</b>	Institut Agronomique Calédonien

<b>ICRAN</b>	International Coral Reef Action Network
<b>ICRI</b>	International Coral Reef Initiative
<b>ICRS</b>	International Coral Reef Symposium
<b>IFRECOR</b>	Initiative Française pour les Récifs Coralliens
<b>IFRECOR PF</b>	Comité IFRECOR pour la Polynésie Française
<b>IFREMER</b>	Institut Français pour l'Exploitation de la Mer
<b>IPFC</b>	Indo-Pacific Fish Conference
<b>IRD</b>	Institut de la Recherche pour le Développement
<b>ITMEMS</b>	International Tropical Marine Ecosystems Management Symposium
<b>LMMA</b>	Locally Managed Marine Area Network
<b>MAE</b>	Ministère des Affaires Etrangères
<b>MEDD</b>	Ministère de l'Ecologie et du Développement Durable
<b>MNHN</b>	Museum National d'Histoire Naturelle de Paris
<b>MOA</b>	Maîtrise d'ouvrage
<b>NC</b>	Nouvelle-Calédonie
<b>NZ</b>	Nouvelle-Zélande
<b>ORP</b>	Organisations Régionales du Pacifique
<b>PCDF</b>	Partner in Community Development Fiji
<b>PGEM</b>	Plan de Gestion de l'Environnement Marin
<b>PIROP</b>	Politique Régionale Marine des Pays Insulaires
<b>PIIP</b>	Petits pays insulaires du Pacifique
<b>PROCFISH</b>	Programme régional de développement de la pêche océanique et côtière du Pacifique



## LIST OF ACRONYMS

<b>PROE</b>	Programme Océanien pour l'Environnement
<b>PTPU</b>	Pae Tai - Pae Uta
<b>SIG</b>	Système d'Information Géographique
<b>SocMon</b>	Programme de suivi socio-économique pour les îles du Pacifique
<b>SOPAC</b>	South Pacific Applied Geoscience Commission
<b>SPP</b>	Secrétariat Permanent pour le Pacifique
<b>UCB</b>	Université de Colombie Britannique
<b>UICN / IUCN</b>	Union Mondiale pour la Nature / World Conservation Union

<b>UMR</b>	Unité Mixte de Recherche
<b>UNC</b>	Université de Nouvelle-Calédonie
<b>UNF</b>	Fondation des Nations-Unies
<b>UPF</b>	Université de Polynésie Française
<b>UR</b>	Unité de Recherche
<b>USP</b>	Université du Pacifique Sud
<b>VKP</b>	Zone géographique Voh, Koné et Pouembout (Nouvelle-Calédonie)
<b>WFC</b>	World Fish Center
<b>WHC</b>	World Heritage Center
<b>WWF</b>	World Wildlife Fund for Nature



## INTRODUCTION

The Initiative for the Protection and Sustainable Management of Coral Reefs in the South Pacific is now known by the acronym "CRISP" (Coral Reef Initiative for the South Pacific). Initially sponsored by France, this project seeks to develop partnerships with the English-speaking countries and institutions in the Pacific, as the use of an English title shows.

### This report has two objectives:

1) to present the outcomes of the Inaugural CRISP Project Workshop, which took place in Noumea at the Headquarters of the Secreta-

riat of the Pacific Community (SPC) from 24 to 28 January 2005 ;

2) to report on the workshop's contribution to the preparation and implementation of the CRISP Project as a basis for discussion and for the creation of partnerships with other projects, donors or countries that would like to join the Initiative.

The Agence française de développement (French Development Agency – AFD) began planning and organising the workshop in mid-2004. It was fully funded by the French Pacific Fund.

The workshop's terms of reference are given in their entirety in Annex 2. Its objectives were as follows:

A) to allow the various technical partners, who are based in a wide range of geographical areas, to gather and thereby establish the good working relations needed to ensure the project's success ;

B) to provide all the partners with a coherent overall vision of the activities to be carried out as part of CRISP ;

C) to finalise the action plans for Year 1 ;

D) to learn how the project will operate and be coordinated.

More than 110 people took part, 60 of whom attended every session. (Participants List - Annex 1).

**CRISP**  
Coral Reef Initiative for South Pacific  
Initiative Corail pour le Pacifique Sud

**Atelier technique de lancement  
du projet CRISP**  
(Initiative Corail pour le Pacifique Sud)  
Launching technical workshop of CRISP project  
(Coral Reef Initiative for South Pacific)

Nouméa | Nouvelle-Calédonie |  
Salle de conférence de la CPS  
24 au 28 janvier 2005  
Noumea (New Caledonia) |  
SPC conference room  
24-28th of January 2005

Cellule de coordination de projet CRISP  
Coordination unit of CRISP project  
Contact: Eric GILLET - Chef de projet - Project manager  
CPS - SPC  
8 F 03 - 98848 Noumea Cedex  
Noumea-Calédonie - New Caledonia  
Tel: +887 26 54 71 - Fax: +887 26 28 19  
e-mail: EricG@spc.org

Partenaires Institutionnels  
Institutional partners

## The workshop took place in four phases:

- Phase 1: The first day of the workshop was used for a general introduction to the project's main partners and an overview of their respective contributions. This also provided an opportunity to present some projects relevant to CRISP with which it is hoped that synergy can be developed.
- Phase 2: Days 2 and 3 were used by the participants to finalise operating and implementation arrangements within for each component and sub-component.
- Phase 3: Day 4 comprised plenary sessions dealing with interactions between components.
- Phase 4: The last day was used by the managers of each component and sub-component to present their action plans. Presentations were arranged into three sections: activity descriptions and the provisional budget, logical framework and recommendations.

In addition to the action plans, the implementing agencies were specifically asked to make proposals to the Coordinating Unit on monitoring and performance indicators for the planned activities as presented in the logical frameworks.

Before presenting the various action plans and recommendations resulting from the workshop, this report will first provide an overview of how the CRISP Project was designed.



Photo CRISP

*Main participants of the Noumea CRISP technical launching workshop held at SPC's headquarters in January 2005.*



## 1- PREPARATION AND LAUNCHING OF THE CRISP PROJECT

*The Initiative for the Protection and Sustainable Development of Coral Reefs in the South Pacific was initially designed by the Agence française de développement as part of an inter-ministerial effort beginning in 2002.*

### **AFD-FFEM Mission – February 2003**

Preparatory work on this initiative was carried out through a series of inter-ministerial meetings chaired by the French Ambassador/Permanent Secretary for the Pacific beginning in June 2002: a joint AFD/FFEM mission in February-March 2003 and a call for proposals in the form of a project logical framework for completion by the partners themselves so as to provide detailed descriptions of their proposals and demonstrate their relevance, contribution to achieving the Initiative's objectives and feasibility. The February-March 2003 mission was also an opportunity to inform authorities in New Zealand and Australia, as potential project partners, of the prospects for joining this process.

### **Call for proposals in June 2003**

The call for proposals was issued by e-mail in June 2003 to those partners identified during the preparatory mission for the 15 areas covered by the scope of this Initiative. The mailing lists, which were open, included copies to a "hard core" of advisors including Professors Salvat (France), Wilkinson (Australia), Payri (French Polynesia) and Chauvet (New Caledonia), IRD, Mme Gabrié (WWF France) and IFRECOR representatives in French Polynesia and New Caledonia.

The procedure chosen made it possible to harmonise the Initiative design process by setting a format for submissions and also helped reconcile the need to use resources economically for AFD and the need for transparency, openness and flexibility in preparations for the Initiative with the requirement for offering equal opportunities to all the partners.



Photo Eric CLUA

The 10 submissions received in response to the Call for Proposals, which closed at the end of September 2003, were assessed using criteria from the project logframes and then combined to obtain a reduced number of more substantial projects, divided into three components (see project description below).

### **Eligibility of French overseas territories from 2004**

As the specialists explained during the February-March 2003 mission, the initial funding on which the call for proposals was based gave priority to Pacific Island countries and excluded operations within the French overseas territories. This funding only allowed expertise to be exported from the French overseas territories to participating island countries. Additional contributions to the initial funding provided by partner donors such as CI, WWF and UNF, which are not subject to the same eligibility constraints, have made it possible to plan activities within the French territories also. An AFD specialist participated in the IFRECOR Committees Meeting in Mayotte in May 2004 where these new arrangements and possible actions were discussed. The French territories then joined the group of twelve South Pacific island countries to benefit from the project.



Photo CRIOBE



**Presentation of the Initiative at the ICRI meeting in Okinawa in July 2004**

The ICRI meeting in Okinawa after ICRS2004 was an opportunity for the French delegation to, as usual, present the activities of IFRECOR, but this annual meeting of the coordination and planning committee also enabled the delegation to advise all ICRI members of progress on the Initiative and to address the planned official project launch for late 2004, followed by the beginning of activities early in 2005.

**Official launch of CRISP by Minister Serge Lepeltier in September 2004**

The French Regional Initiative for the Protection and Management of Coral Reefs in the Pacific was given the acronym 'CRISP' in September 2004. As planned, it was officially launched by the Minister for the Environment and Sustainable development, M. Serge Lepeltier, at the annual PREP meeting and the meeting of environment ministers both held in Papeete in September 2004.

The workshop held at the Headquarters of the Secretariat of the Pacific Community in Noumea from 24 to 28 January 2005 marked the project's technical launch.



Photo Eric CLUA



## 2- PROJECT DESCRIPTION

### Purpose

The Initiative for the Protection and Management of Coral Reefs in the Pacific, championed by France and open to contributions from all quarters, aims to develop a vision for the future for these unique ecosystems and the people who depend on them for their livelihood. It seeks to put in place strategies and projects to preserve the biodiversity of the reefs and for the future development of the economic and environmental services that they offer both locally and globally.

Further, the Initiative is also intended to serve as a vector for regional integration between the developed and the developing countries of the Pacific.



Photo Eric CLUA

### Specific objectives

1. To develop a better understanding of the biodiversity, status and functioning of coral ecosystems.
2. To carry out coral ecosystem protection and management activities on a significant scale.
3. To develop the economic potential of coral ecosystems based on their use values and biodiversity.
4. To disseminate information and knowledge, build capacity and foster local, national and international networking throughout the South Pacific.

### General approach

#### The Initiative aims to:

- combine cross-cutting networking activities, local field projects and conservation and economic development objectives;
- combine research, management and development;
- combine the contributions of different scientific disciplines, including biology, ecology, geography, economics, sociology, law and anthropology;
- be active in all areas - land and marine—that have a bearing on the reefs, including watershed management and land tenure arrangements;
- avoid creating a new structure but, instead, make financial resources available to already active partners who indicate an interest in developing and consolidating their activities in a spirit of regional cooperation.



## Main expected outcomes

It is expected that, at the end of the Initiative:

- knowledge on coral ecosystems, including the effects of global changes, would have made significant progress towards integrating cross-disciplinary fertilisation and that such knowledge would be available to decision-makers and planners;
- significant and carefully selected portions of these ecosystems will become protected or placed under participatory and sustainable management, following a region-level decision on what the priorities should be and according to harmonized procedures;
- the economic potential of these ecosystems will be demonstrated by examples drawn from their principal functions (fishing and aquaculture, tourism, biodiversity development, etc.);

- collaborative networks bringing together citizens of the French overseas territories, developed countries of the Pacific and the small island states of the region will be strengthened or created.

## Planned activities (April 2005 – June 2008)

The Initiative comprises three main components, each of them divided into a number of sub-components. Following, an overview of the components structure describes the expected outputs by area and implementing agency.



Photo Eric CLUA

## COMPONENT 1: MARINE PROTECTED AREAS AND INTEGRATED COASTAL MANAGEMENT



**Goal: to link community-based marine management, marine resource conservation strategic planning and coastal zone (watershed and coastal reef) management to contribute to sustainable South Pacific Coral reef development.**

- Financial Partners : AFD, FFEM, CI, WWF-France
- Technical partners : CI, WWF-France, WWF-South Pacific, FSPI, CIRAD-Forêt, IRD, IFRECOR-PF, ASMPA (Samoa), Pro-Science.
- Collaborators : users and communities, CSIRO, PTPU, UPF, NC Province Nord, NC Province Sud, etc.

### OVERVIEW OF COMPONENT 1

**Output 1** – Preparation of a strategy for conservation of coral reef and ecosystem biodiversity. Identification of reef zones on a global and regional scale, of their associated habitats and the processes to be protected on a priority basis to ensure the sustainable survival of the marine species of vital importance for the Pacific.

**Output 2** - Marine Protected Areas Development of new MPAs and strengthening of existing MPAs to serve as models for developing community marine resource management capacity.

**Output 3** - Capacity-building. Build capacity of communities, governments and other stakeholders in the establishment and management of MPAs through training, networking and national and regional experience-sharing.

**Output 4** – Integrated coastal management. Improvement of coastal management systems

(watershed/coastal reefs) through a better awareness of watershed erosion risks and the validation of integrated approaches taking into account natural, territorial, social and economic factors in liaison with MPAs and general coral reef management.

**Output 5** – Coordination. Effective implementation of program, including an assessment phase.



Photo Conservation International

## COMPONENT 2: KNOWLEDGE, MANAGEMENT, REHABILITATION AND DEVELOPMENT OF CORAL ECOSYSTEMS

### COMPONENT 2-A STATUS OF CORAL REEFS AND USE OF THEIR RESOURCES



**Goal: To improve knowledge, monitoring, management capacity and development of the resources of these ecosystems to ensure sustainable development of coral reefs.**

- Financial Partners: AFD, IRD
- Technical partners: EPHE-CNRS, IRD, USP
- Collaborators: SPC, ECOCEAN, ENSAR, users and local communities.

#### OVERVIEW OF COMPONENT 2-A

**Output 1** – Harvesting reef fish larvae and developing their economic potential  
Production of a guide for larvae diagnosis, setting up of pilot operations with commercial purposes, etc.

**Output 2** – Improving knowledge about coral ecosystems and the capacity to manage them  
Identification and validation of indicators for reef fisheries monitoring, etc.

**Output 3** – Formulating composite indicators and monitoring coral reefs  
Review and implementation of monitoring indicators of reef health status, implementation of remote-sensing tools, etc.

**Output 4** – Skills and knowledge transfer and capacity building  
Implementation of innovative methods for information transfer to local communities, technical officers and other users of reef and lagoon resources, etc.

**Output 5** – Specific studies  
i) Effects of atmospheric carbon increase on reef evolution and ii) Contribution to development of ecotourism.



Photo Eric CLUA

---

## COMPONENT 2-B: REHABILITATION OF CORAL ECOSYSTEMS



**Goal:** *assist in extension work on techniques to physically rehabilitate reef and coral ecosystems so as to ensure long-term survival and sustainable production.*

- Financial partner: AFD
- Technical partners: Carex Environnement, FSPI, PCDF
- Collaborators: users and local communities.

### OVERVIEW OF COMPONENT 2-B

**Output 1** – Selecting and setting up two pilot restoration sites

**Output 2** – Monitoring the pilot restoration sites

**Output 3** – Producing a French-English manual on reef rehabilitation

**Output 4** – Reporting on the initiative as a whole in the form of a summary document

---

## COMPONENT 2-C: DEVELOPMENT OF MARINE ACTIVE SUBSTANCES



**Goal:** *contribute to improving understanding and development of benthic invertebrates found in reef and coral ecosystems where these may contain pharmacologically active marine substances.*

- Financial partners: AFD, IRD
- Technical partners: IRD UMR152 (Noumea and Toulouse) and UMR 7138 (Noumea)
- Collaborators: University of the South Pacific (Suva and Honiara), John Hooper (Australia), Nicole Boury-Esneault (France), Pr Beurier (France).

### OVERVIEW OF COMPONENT 2-C

**Output 1** – Legislative aspects (analysing and improving regulations on accessing marine genetic heritage and developing its economic potential for sustainable development)

**Output 2** – Knowledge about ecosystems (improving inventories, prospecting and taxonomy)

**Output 3** – Development: marine substances (research on chemical substances that could be of interest in various health areas)

**Output 4** – Training /information (capacity building and workshops in partner countries).



## COMPONENT 2-D: DEVELOPMENT OF REEF DATA BASE FOR THE PACIFIC



**Goal: set up ReefBase Pacific data base: strengthen information access and dissemination in support of effective coral reef conservation and management**

- Financial Partners: AFD, UNF
- Technical partner: WFC
- Collaborators: ICRAN, GCRMN SPC, SPREP, EPHE-CRIOBE, USP

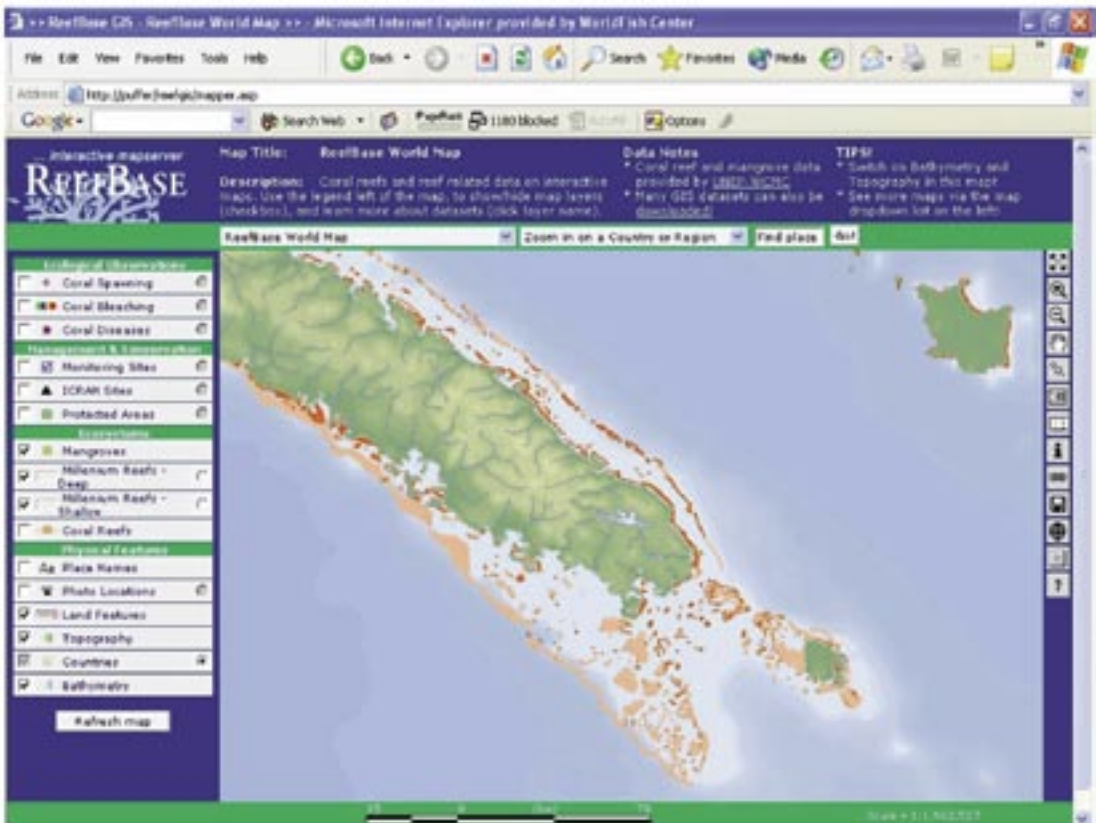
### OVERVIEW OF COMPONENT 2-D

**Output 1** – Establish “ReefBase Pacific” nodes in region

**Output 2** – Set up ReefBase data entry system

**Output 3** – Set up standard database for ‘Global Coral Reef Monitoring Network’ (GCRMN)

**Output 4** – Prepare and distribute information materials to users and stakeholders



## COMPONENT 3: INSTITUTIONAL AND TECHNICAL SUPPORT COMMUNICATION, COORDINATION AND EXTENSION

### COMPONENT 3-A: INSTITUTIONAL SUPPORT AND COMMUNICATION



**Goal : institutional and technical support to the project's technical partners, integration, information collection and dissemination (data, approaches, methods and know-how).**

- Financial Partners: AFD, UNF
- Technical partner: SPREP
- Collaborators: ICRAN, WFC, SPC, EPHE-CRIOBE , USP, Pacific Island governments and communities.

#### OVERVIEW OF COMPONENT 3-A

**Output 1**-Enhance Integrated Governance for effective management of island (coastal) resources at all levels.

Impact evaluation reports describing the effectiveness, constraints and limitations of existing policies in target countries ; Briefs describing the reforms and institutional changes that would improve existing policies / frameworks ; Series of regional and national interventions / events promoting ICM in the context of the national Oceans policy and Framework for Integrated Strategic Action ; National Oceans Policy principles incorporated in sustainable development strategies.

**Output 2** - Engendering public support for sustainable coastal and marine resource management at all levels

Case studies that demonstrate the Total Value of coral reefs and coastal and marine ecosystems compiled ; Workshops and events to disseminate outputs and lessons learnt through out the region ; Tools and guidelines for integrating values of marine and coastal resources, including incentives mechanisms ; Protocols for engagement of member countries in CRISP activities and other relevant programs ; Communication strategy for CRISP/publications, manuals for management based on CRISP and related outputs from other programs.

**Output 3** - Capacity and access to appropriate methodologies and technologies.

Training needs assessment completed (NCSA); Networks of demonstration sites/learning centers/training activities in place ; Training packages/tools kits for best management practices developed, Tools and techniques for more efficient use of resources and for alternative or supplemental livelihoods, based on coastal resources developed and piloted ; Reefbase –Pacific in place and GIS products developed and accessible ; Support to existing regional networks of site managers for community based management for sharing lessons learnt and knowledge (Eg LMMA, GCRMN)

## COMPONENT 3-B: COORDINATION AND EXTENSION



**Goal: coordination, strengthening and extension of CRISP activities**

- Financial partners: AFD, MAE
- Technical partner: Coordination Unit at SPC
- Collaborators: SPC, SPREP

### OVERVIEW OF COMPONENT 3-B

**Output 1** - Monitoring and coordination of CRISP activities

Consolidation and validation of semi-annual reports, technical support, setting up of planning workshops, etc.

**Output 2** - Capitalizing on CRISP outputs  
Contribution to promoting CRISP and disseminating information within and outside the project (setting up of a website, newsletters, leaflets, materials for information transfer to project beneficiaries, participation in international fora and symposiums relevant to CRISP.



Photo CRIOBE



**Output 3** - Extension of scope of CRISP Development of partnerships with other projects, involvement of new technical partners and other funding agencies, preparation and monitoring of the implementation of additional studies and micro-projects offering added-value to the CRISP project, etc.

### 3 - PROJECT FUNDING

Estimated cost by project component	Amount (€ '000, 000)
<b>Component 1:</b> Marine protected areas and integrated coastal management	3.70
<b>Component 2:</b> Knowledge, management, rehabilitation and development of coral ecosystems	3.30
<b>Component 3:</b> Institutional and technical support, communication, coordination and extension	1.70
<b>Total</b>	<b>8.70</b>

The amounts indicated above do not include the contribution of IFRECOR for the French overseas territories, which is part of the Initiative.

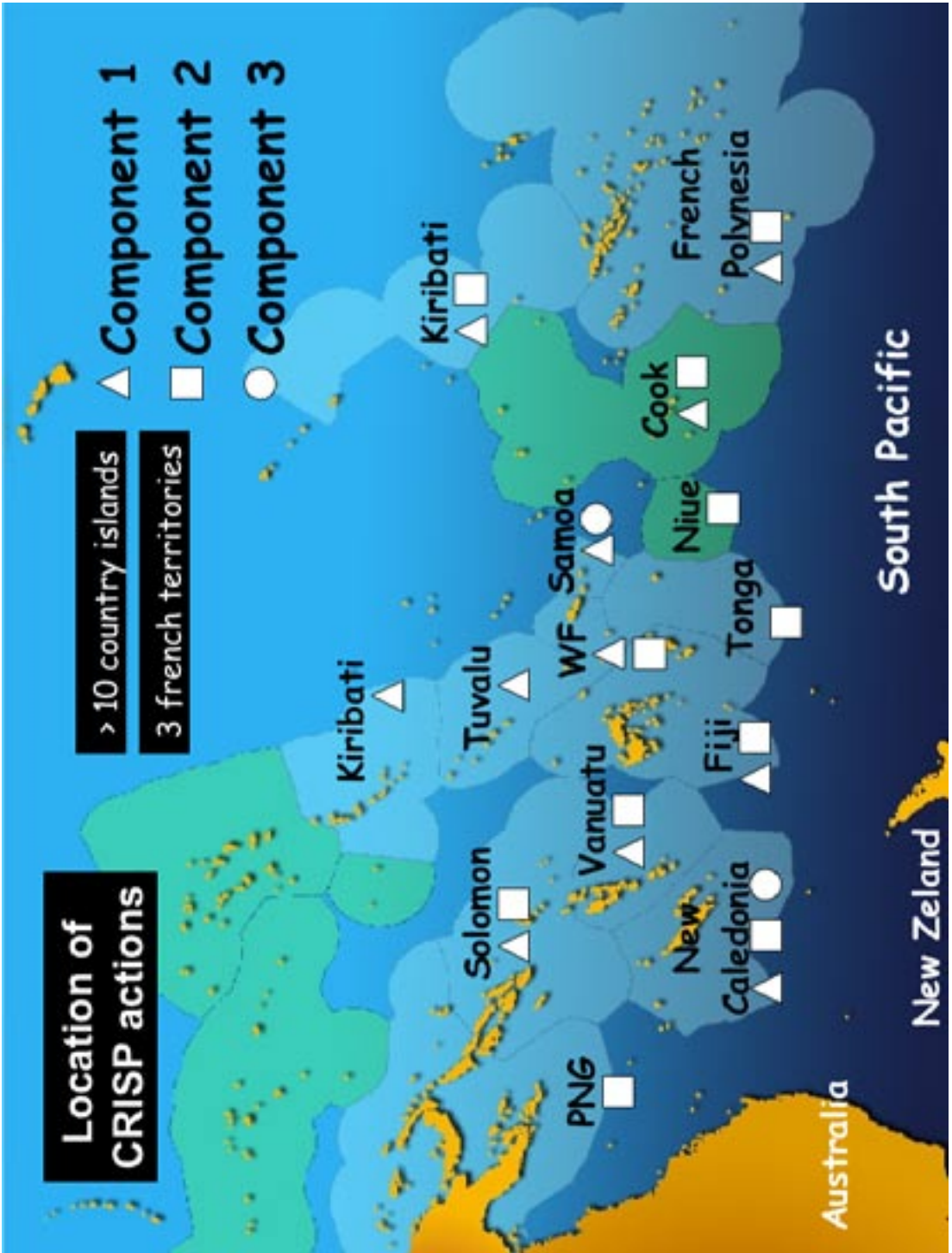
Funding Plan	Amount (€ '000, 000)	%
AFD	3.0	34
<b>Multilateral co-funders</b>		
Conservation International	1.2	14
WWF	0.5	6
United Nations Foundation*	0.9	10
IRD	0.2	2
<b>Bilateral co-funders</b>		
FFEM	2.0	23
MAE	0.4	5
French Pacific Fund	0.5	6
<b>Total co-funders</b>	<b>5.7</b>	<b>66</b>
<b>Grand Total</b>	<b>8.7</b>	<b>100</b>

\* Through equal matching by AFD of grants to the Foundation, and then transfer to the lead agencies.





#### 4- GEOGRAPHY OF THE PROJECT



## 5 - WORKSHOP PROGRAMME

	Lundi 24	Mardi 25	Mercredi 26	Jeudi 27	Vendredi 28
9h00	Ouverture de l'atelier par le représentant du directeur général de la CPS	Travail par sous-composante (élaboration/ validation des groupes de travaux et d'un programme de travail) (voir groupes ci-joints) (session 25-1)	Session plénière d'organisation des travaux (session 26-1)	Travail entre composantes (session 27-1)	Préparation par composantes des présentations des plans d'actions (session 28-1)
9h10	Présentation générale du projet				
10h15	Questions diverses				
<b>10h30</b>	<b>PAUSE</b>	<b>PAUSE</b>	<b>PAUSE</b>	<b>PAUSE</b>	<b>PAUSE</b>
10h45	Présentation Composante 1A	Groupes de travaux (session 25-2)	Groupes de travaux (session 26-2)	Collecte, gestion et partage des données (session plénière 27-2)	Présentation des plans d'action des composantes 1, 2 et 3 (session plénière 28-2)
11h30	Présentation Composante 1B				
12h00	Présentation Composante 2A				
<b>12h30</b>	<b>DEJEUNER</b>	<b>DEJEUNER</b>	<b>DEJEUNER</b>	<b>DEJEUNER</b>	<b>DEJEUNER</b>
14h00	Présentation Composantes 2B, 2C, 2D et 3A	Groupes de travaux (session 25-3)	Après-midi de relâche (Balade ou plongée ou snorkeling) ou complément de travail si nécessaire	Charte de communication/ coopération du projet (site internet, etc.) (session plénière 27-3)	
15h00	Présentation de projets connexes au CRISP				
<b>16h00</b>	<b>PAUSE</b>	<b>PAUSE</b>		<b>PAUSE</b>	Synthèse générale et clôture (session 28-3)
16h15	Présentation de projets connexes au CRISP	Groupes de travaux (session 25-3)		Cellule de coordination et fonctionnement général (session plénière 27-4)	
16h45	Questions diverses				
17h00	Présentation du déroulement et des directives de l'atelier				
17h30	Questions diverses	Réunion plénière au grand amphithéâtre	Libre	Réunion plénière au grand amphithéâtre	Fin de l'atelier
18h00	Cocktail d'ouverture				

## 6 - SUMMARY OF DISCUSSIONS

*This report only contains general information on discussions. The outcomes of the various sessions are presented in the form of action plans in the next section.*

### Monday 24 January

The day began with the official opening of the workshop by the host agency (SPC) in the person of M. Yves Corbel, Deputy Director General and the donor (MAE/SPP) in the person of M. Guy de la Chevalerie, Chargé de mission. It is worth noting the presence of and brief remarks by Mrs Jane Urguhart, the Australian Consul in New Caledonia, confirming her country's interest in the project. The rest of the day was used for presentations on CRISP project components and other relevant projects. These presentations can be downloaded from the CRISP website: [www.spc.int/CRISP/atelier](http://www.spc.int/CRISP/atelier). The first day also provided an opportunity to announce the appointment of Professor Bernard Salvat (EPHE) to the position of Scientific Adviser to the project Coordination Unit.

### Tuesday 25 and Wednesday 26 January

The day was spent on group work, mainly by project component and sub-component. Session reports are appended in Annex 3 as summary tables. The day was spent finalizing the content of action plans and designing activity progress indicators.

### Thursday 27 January

The day began with meetings between representatives of project components. It continued with three plenary sessions which addressed the following topics:

1. Information and data management, on the basis of a presentation by Jamie Oliver of WFC. It emerged from this session that the WFC, in conjunction with IRD ESPACE Unit

(Gilbert David) would prepare a proposal for data standardization for incorporation in the WFC data base and easy dissemination. Emphasis was put on the CRISP Project commitment to feed information back on a priority basis to the 'real' project beneficiaries, i.e. local communities and users. A workshop would be held on this topic during the project. ICRAN confirmed its willingness to contribute to the extensive sharing of information accumulated by CRISP through its worldwide network.



Photo CRISP

**2. Internet website:** introduction to the site, which is under construction, and discussion on its use by the project (Intranet).

**3. Communication Plan:** the importance of preparing a plan as soon as possible was stressed. It was suggested that the existing plan in use by the multilateral 'Dry Forest' project in New Caledonia could be drawn upon for this purpose.

**4. Operation of the Coordination Unit:** various topics were discussed including the Project Manager's duties, the six-monthly reporting process, the principle of progress indicators and the standardization of procedures and documents.

## Friday 28 January

The first session was used by presenters to finalise their presentations on the action plans, which were presented in Session 2. Details are given in the following sections. The closing session gave the Project Manager an opportunity to raise the following matters.

### Common vision and CRISP 'label'

It is important for everyone to share the same philosophy and approach. The main features of this are: i) the special treatment for 'real' project beneficiaries, i.e. local communities and users and ii) the 'double approach' procedure, which should be used in all CRISP Project countries, ie contact with technical partners always accompanied by a more political approach through SPREP (no action can be taken if the authorities have not been fully informed about it in advance) and iii) the economic dimension dear to the main donor (AFD). The sustainability of reef

resources requires an economically sustainable approach, over and above mere physical or legal protection.

### Taking suggestions into account

- i) set up a steering committee to support the coordination unit
- ii) start a monthly newsletter about progress on CRISP.

### Problem identification

- i) ensuring bilingualism
- ii) coping with constraints on AFD/FFEM funding (non-eligibility of OCTs to be taken into consideration)
- iii) CRISP support for components to secure scholarship funding.

### Short-term objectives

- i) signing of agreements;
- ii) preparation of Communication Plan;
- iii) good practice guide on 'country procedures' to be produced by SPREP;
- iv) proposed standard information format to be produced by WFC/ESPACE;
- v) production of project brochure in English and French.

### Medium-term objectives

- i) implementation of agreements;
- ii) CRISP participation in ICRI-Seychelles meeting 2005;
- iii) support/supervision trips;
- iv) stage another CRISP meeting in mid-2006.

### Develop cooperation

- i) country-level: Australia, NZ, Japan, USA;
- ii) project-level: PROCFish, UNESCO-WH, GEF-Targeted Research;
- iii) aid donors (inc. EU).



## 7- ACTION PLAN YEAR 1 - COMPONENT 1

### MARINE PROTECTED AREAS AND INTEGRATED COASTAL ZONE MANAGEMENT

#### Working Group

- Group Leader: François Martel (CI)
- Main contributors: Catherine Gabrie (WWF-France), Louise Heaps (WWF-SP), Hugh Govan (FSPI), Gilbert David (IRD), Bernard Mallet (CIRAD), Annie Aubanel (IFRECOR), Lui Bell (Samoa),
- Rapporteur: Sue Tai (Miller)

#### Expected outputs - Year 1

**Output 1** – Preparation of a strategy for the conservation of coral reef and ecosystem biodiversity

#### Working Group conclusions

- Ecoregional planning in the Pacific will require the harmonisation of methods of using Geographic Information Systems and data bases;
- Need to set up a CI-WWF working group to determine methods, protocols and ways of exchanging information for ecoregional planning;
- Identification of several key contributors for Pacific wide analysis: AIMS, IRD, CRIOBE, REEFBASE
- Completion of ecoregional planning for New Caledonia and preparation of action plan with Province Nord and Province Sud;
- Completion of detailed Action Plans and Logical Framework for Year 1.



#### Activities for year 1

Activity 1 - Pacific region marine biodiversity assessment planning process, designed, information collated, workshops held and reports in preparation.

Activity 2 - East Polynesia Ecoregion – reconnaissance visit and feasibility assessment completed for Cook Islands and French Polynesia with planning workshop held.

Activity 3- New Caledonia Ecoregion – reconnaissance visit and feasibility assessment completed for New Caledonia with planning workshop held.

Activity 4 - Working linkages established with two way information sharing between ecoregional and overall planning.

#### Output 2 - Marine Protected Areas

Development of new MPAs and strengthening of existing MPAs to serve as models for marine resource management capacity building in local communities.

#### Working Group conclusions

- Confirm number and site locations of MPAs in New Caledonia (Province Nord & Sud)
- Finalize geographical scope of existing and new MPAs across the region (New Caledonia, Solomon Is., Vanuatu, Samoa, Tuvalu, Kiribati, Cooks)
- Inclusion of new MPA for Phoenix Islands (Kiribati) with contribution of CI in partnership with New England Aquarium and WHC. Linkage to FSPI-Kiribati.
- Detailed Action Plans and Logical Framework completed for Year 1.

## Activities for year 1

Activity 5 - Samoa – Aleipata and Safata MPAs: implementation of agreed management plans, including partial capitalization of trust fund (Samoa)

Activity 6 - Solomon Islands and Vanuatu: Existing sites effectively operating (FSPI)

Activity 7 – Identification of new sites in Tuvalu and Kiribati (FSPI)

Activity 8 - SPI coordination of above sites

Activity 9 - New Caledonia – Mt Panie: reconnaissance phase completed with agreements with Province Nord and local community

Activity 10 – IRD: management support research work

Activity 11 - PGEM – reconnaissance in Wallis and Cooks

## Output 3 - Institutional strengthening

Build capacity of communities, governments and other actors in the establishment and management of MPAs through training, networking and drawing on lessons learned at both national and regional levels.

### Working Group conclusions:

- Confirm focus of activities is on site level managers
- Confirm Project Management Committee (PMC) role to decide on workplan and budget
- Confirm FSPI to coordinate this output – but delay operation for 4 months in Year 1 to allow for planning and funding based on eligible activities
- LMMA network documents to be translated in French for distribution to partners
- Agree to produce an MPA Operational Manual targeted at site managers based on lessons learned
- Agree on collaboration with SPREP on detailed Action Plans and Logical Framework completed for Year 1.

## Activities for year 1

Activity 12 - Coordinator recruited

Activity 13 - Work Plan and Budget agreed

Activity 14 - Initial planning contact with PMA site managers

## Output 4 – Integrated coastal and watershed management

Review, analysis, promotion and demonstration of successful methods and approaches for watershed and integrated coastal management linked to effective management of coral reefs and MPAs.

### Working Group conclusions:

- Detailed agreement on watershed/coastal management, key activities and their scope, roles of partners.
- Finalize time schedule of activities for 2005, and portfolio of potential case study and demonstration sites
- Activities agreed: knowledge review, project analysis, seminars/workshops, case studies, demonstration sites, planning
- Country sites agreed: Demonstration sites (New Caledonia, Vanuatu) – GIS analysis/mapping (Samoa, Fiji, French Polynesia)
- Task distribution and budget agreed among execution partners CIRAD and IRD
- Logframe, budget and timing for Year 1 completed



### Activities for year 1

Activity 15 - Project preparation (IRD, CIRAD, CI)

Activity 16- Scientific bibliography review

Activity 17 - Project analysis: choice of validated sites

Activity 18 – Mapping of environmental hazards and damage (preparation of atlas of Pacific coral reefs)

Activity 19 – Workshop on integrated management experiences in the Pacific

Activity 20 – Main operational sites (Vanuatu, New Caledonia)

Activity 21 - Coordination

### Output 5 – Coordination

Effective and timely implementation of program, including evaluation.

### Working Group conclusions:

- This was the first meeting of all Component 1 partners

- Confirmed final draft project document and logframe for Annex 3-4 of the Convention AFD/CI
- Confirmed Program Management Committee (PMC)
- Agreed to fully include coastal zone management work (watershed and coastal reefs) as part of Component 1
- Agreed on format of Action Plan and Logical Framework for Year 1
- Agreed on reporting system and format between lead agency and partners
- Recommendations made on AFD/CI Agreement and disbursements to partners

### Activities for year 1

Activity 22 - CI coordinator recruited and operational

Activity 23 - At least 2 PMC 'meetings' held

Activity 24 - Effective networking



## Component 1 Funding table for year 1

Outputs	Activities	Funding
<b>Output 1</b> – Strategy for conservation	Activity 1	72000
	Activity 2	55000
	Activity 3	30000
	Activity 4	In kind
	<b>Sub-total Year 1</b>	<b>157000</b>
<b>Output 2</b> – MPAs :	Activity 5	95520
	Activity 6	22500
	Activity 7	5500
	Activity 8	19100
	Activity 9	35000
	Activity 10	12000
	Activity 11	65000
	<b>Sub-total Year 1</b>	<b>197000</b>
<b>Output 3</b> – Institutional support	Activity 12 to 14	20000
	<b>Sub-total Year 1</b>	<b>20000</b>
<b>Output 4</b> – Integrated coastal management and watershed management	Activity 15	In kind
	Activity 16	30000
	Activity 17	95000
	Activity 18	60000
	Activity 19	50000
	Activity 20	108000
	Activity 21	20000
	<b>Sub-total Year 1</b>	<b>363000</b>
<b>Output 5</b> – Coordination :	Activity 22 to 24	10000
	<b>Sub-total Year 1</b>	<b>10000</b>
	<b>Total YEAR 1</b>	<b>747000</b>
	% of total budget	37%

### GENERAL RECOMMENDATIONS

1. Major risk: delay in signing AFD partner agreement and release of funding
2. Need for better recognition of major financial investment by partners
3. Great importance of linking outputs under Component 1 with those of Component 3 and the role of SPREP
4. Need to foster collaboration and partnerships with other component partners
5. Need to validate workshop results work with local partners, governments and communities, who are the real decision-makers.



## 8- ACTION PLAN YEAR 1 - COMPONENT 2A

### STATUS OF CORAL REEFS AND REEF RESOURCE EXPLOITATION

#### Working group

- **Moderator** : René Galzin (EPHE)
- **Main contributors** : R. Thaman (USP), G. Fontenelle (Ensar), I. Jollit (Doctorante UNC-IRD), G. Lecayon (ECOCEAN), L. Zann (USP), X. Neyrat (NEMO), A Herbland (Ifremer)
- **Rapporteur** : J. Ferraris (IRD)

#### Expected outputs - Year 1

*N.B: Activities are detailed above the outputs expected for 2005.*

**Output 1** – Capture and economic use of reef fish larvae.

Activity 1 – Continuation of basic research on larvae harvesting - Year 1 : Inception of doctoral research on the Fiji workshop site.

Activity 2 – Continuation of basic research and extension work on larvae identification techniques - Year 1 : Draft larvae identification handbook.

Activity 3 – Identify countries for knowledge transfer - Year 1 : Identify knowledge transfer locations for Fiji.

Activity 4 – Identify sites in-country for harvesting operations - Year 1 : Start field operations in Fiji (September).

Activity 5 – Adapt legislation in order to make possible and facilitate the setting up of larvae export channels. - Year 1 : Proposed adaptation of legislation in French Polynesia.

**Output 2** – Improve knowledge and capacity for coral reef fishery management.

Activity 6 – In conjunction with the SPC PROC-Fish Programme, continue the ecological surveys and underwater visual censuses needed

for an ecosystem-based assessment of the impact of fisheries on exploited ecosystems.

Year 1 : Analyze bio-ecological data collected in collaboration with the SPC (PROCFish Project) and plan for return site visits if necessary.

Activity 7 – Continue the survey of fish biodiversity in the South Pacific region so as to augment the regional data bases and develop a common approach on a regional scale.

Year 1: Trip by Michel Kulbicki and Randy Thaman to IFPC Taiwan. Compile list of fish names in local languages from the various countries.

Activity 8 – Broaden the integrated approach to reef fisheries by involving socio-economists, geographers and anthropologists, in order to take into account stakeholder strategies and local community perceptions in resource and socio-economic environment assessments of fisheries, in particular public policy relating to fishery products and markets.

Year 1 : Recruit a research assistant to conduct field fishery surveys and socio-economic surveys in Fiji and Kiribati - Hold workshop between 3 partners to harmonize methodology - Data and knowledge summary on reef fisheries in FP, NC and Fiji.

Activity 9 – Apply indicators and spread the use of models developed from case studies by the CoRéUs, DemEcoFish and Procfish programmes to other island states not yet covered by current programmes.

Year 1 : Trip to FP by doctoral student on the introduction of community AMP indicators. Data collection in NC by UR 128 to measure human impacts at workshop sites (VKP, Ouvéa).

Activity 10 – Continue to develop and disseminate computer tools for the collection and analysis of information on resources and their habitats and uses.

Year 1 : hold workshop between the 3 partners on the harmonization of methods of developing computer tools for collecting and analyzing information on resources and their habitats and uses.

**Output 3** – Development of synoptic indicators and coral reef monitoring

Activity 11 – Peruse the literature to find and assess indicators of biophysical health of reefs and socio-economic indicators on their resource exploitation, including the fisher's point of view and his/her socio-economic environment - Year 1 : Bibliographic indicator analysis.

Activity 12 - Study on the potential of remote-sensing in large and small-scale mapping and definition of indicators of natural and human disturbances for coral reef monitoring.

Year 1 : Decision between specialists from IRD, SOPAC, and USP regarding the tools to be introduced for Year 1 pilot sites (VKP, Ouvea/Tikehau, Moorea/Fiji + Kiribati) - Acquire and process imagery for the Fiji and Kiribati sites.

Activity 13 – Test a range of reef health indicators (indicator taxons : rare, threatened, iconic, invasive, introduced species) and their resource exploitation in various countries and territories with differing geomorphological and socio-economic contexts.

Year 1 : Data collection and analysis (Before – after – inspection – impact protocol) collected on AMP and FP and NC mining site (VKP).

Activity 14 – Preliminary (2005) and then final (2006) production of a guide to the state of coral reefs and the exploitation of their resources for coral reef ecosystems in the South Pacific.

Activity 15 – Appraisal of available and/or lacking human and material resources in target countries for the purpose of implementing monitoring of the state of health of reefs and reef resource exploitation - Year 1 : Training and equipment needs identification in all Polynesia Mana network countries.

Activity 16 – Assistance with the setting up of a cohesive regional reef monitoring network based on reef health indicators, plus reef exploitation indicators, common to countries of the South Pacific - Year 1 : Mission reports to Kiribati, Tokelau and Niue for their optimal integration into the Polynesia Mana network.

Activity 17 – Contribution to the establishment of a data bank and data processing on the above areas for the South Pacific, with the same two-network arrangement: Western Pacific, guided by Fiji, and Central and Eastern Pacific, guided by French Polynesia.

Year 1 : Inclusion of first data from Polynesia Mana into the new Pacific-wide regional data base (Component 2-D).

**Output 4** – Knowledge transfer and institutional strengthening

Activity 18 - Establishment of a regional data base of reef health indicators and management of this base with publication of national and regional situation reviews in 2006 and 2008.

Year 1 : Construction of indicator data base on reef status and fishery situation (sustainability indicators).

Activity 19 – Develop a regional data base of ecological, biological and fishery-related resource knowledge and territory management logics as well as traditional management practices in the region



and contribute to the SPC Regional Reef Fisheries Observatory through participation in national and regional reviews.

Year 1 : development of a link with the Procfish RFID data base.

Activity 20 – Communication and extension work on program results with local communities through the use of new information technologies (Internet, CD-Rom, video games) and suitable print and other communication materials for island communities - Year 1 : Produce a results briefing protocol for local communities and test this at Year 1 pilot sites.

Activity 21 – Hold training courses on the program's methods and tools at various levels depending on the constituency concerned. These courses would target resource and environment users, technicians, researchers or administrators in the various countries concerned or the various institutions in the region, plus students.

Year 1 : No activities planned.

Activity 22 – Hold training courses in monitoring the biophysical health status of the reefs and in living reef resource monitoring and in the collection of synoptic indicators in these areas - Year 1 : identify local collaborators' capacities in these areas and seek avenues for regional training collaboration.

Activity 23 – Student (masters, doctoral and post-doctoral levels) and researcher exchanges between French universities (in particular UNC, UPF, EPHE-CNRS, USP and UCB and universities of developed countries of the region (Australia, New Zealand, USA, Japan).

Year 1 : Identify Pacific Island and Japanese

se doctoral students, arrange for attachment students to visit NC, FP and Fiji.

## **Output 5 – Specific research projects**

Activity 24 – CO2 study: synopsis of scientific knowledge about the influence of coral reefs on carbon storage in the oceans and the atmosphere - Year 1 : Produce TOR for a study and select service providers.

Activity 25 – Tourism study: synopsis on the environmental and economic issues associated with tourism in South Pacific coral reef environments and ensuing recommendations. Year 1 : Produce TOR for the study and select service providers.

## **GENERAL RECOMMENDATIONS**

### **Requests**

1. Need for support to project to identify financial resources (not so far allocated) to hire a resource person with a scientific profile in order to coordinate activities under Component 2A in the Pacific. This full-time person would in particular look after liaison between IRD and USP.
2. Need to find support for CRISP so as to obtain outside financial resources to cater for students involved in project activities. Scholarships are very hard to obtain in Fiji although funding prospects do exist.
3. Need to seek official support for CRISP in project countries (embassies, local government departments, etc.).
4. Need to anticipate a specific aid from CRISP for the creation of a company to take over larvae capture activity support work.

### **Suggestions**

1. Set timetable for CRISP plenary meetings?
2. Consider holding a workshop in an identified country for a 'showcase' integrated site?
3. Promote the CRISP Project in Europe, a potential funding source?



Photo CRILOBE Polynésie Française

**Comment:**

the implementing agencies for Component 2A wish to advise that French Polynesia is reluctant to export its reef fish larvae capture technique know-how. This problem should be resolved so as not to interfere with the results of Component 1.

**Conclusion:**

the participants in Component 2A wish to stress the extreme importance of having held this workshop before the start of the project so as to make its medium-term implementation easier.

**Component 2A Funding table for year 1**

<b>Outputs</b>	<b>Activities</b>	<b>Funding</b>
<b>Output 1</b> – Capture and economic use of reef fish larvae.	Activity 1	10000
	Activity 2	20000
	Activity 3	5000
	Activity 4	50000
	Activity 5	10000
	<b>Sub-total Year 1</b>	<b>95000</b>
<b>Output 2</b> – Improve knowledge and capacity for coral reef fishery management.	Activity 6	15000
	Activity 7	5000
	Activity 8	30000
	Activity 9	15000
	Activity 10	20000
	<b>Sub-total Year 1</b>	<b>75000</b>
<b>Output 3</b> – Development of synoptic indicators and coral reef monitoring	Activity 11	5000
	Activity 12	5000
	Activity 13	20000
	Activity 14	0
	Activity 15	5000
	Activity 16	20000
	Activity 17	30000
	<b>Sub-total Year 1</b>	<b>85000</b>
<b>Output 4</b> – Knowledge transfer and institutional strengthening	Activity 18	10000
	Activity 19	5000
	Activity 20	10000
	Activity 21	0
	Activity 22	25000
	Activity 23	15000
	<b>Sub-total Year 1</b>	<b>65000</b>
<b>Output 5</b> – Specific research projects	Activity 24	5000
	Activity 25	5000
	<b>Sub-total Year 1</b>	<b>10000</b>
	<b>Total YEAR 1</b>	<b>330000</b>
	% of total budget	33%



## 9- ACTION PLAN YEAR 1 – COMPONENT 2B REHABILITATION OF REEF ECOSYSTEMS

### Working group

- **Moderator** : Sandrine JOB (Carex Environnement)
- **Main contributors**: Hugh GOVAN (FSPI), Floyd ROBINSON (PCDF)
- **Rapporteur** : Sandrine JOB (Carex Environnement)

### Expected outputs - Year 1

**Output 1** – Selection and commencement of work on two pilot rehabilitation sites

Activity 1- Agreement between Carex, FSPI and PCDF

Activity 2- Bibliography and needs assessment

Activity 3- Selection of Sites 1 (Motoriki – Fiji) and 2 (in Tuvalu or Kiribati)

**Output 2** – Monitoring of pilot rehabilitation sites

Activity 4- Negotiation and agreement with local communities

Activity 5- Preliminary studies sites 1 and 2

Activity 6- Carry out work on sites 1 and 2

Activity 7- Training of local resource persons in monitoring

Activity 8- Initial monitoring results

**Output 3** – Production of a guide to reef rehabilitation

Nothing planned for year 1

### Component 2B Funding table for year 1

Outputs	Activities	Funding
<b>Output 1</b> – Selection and commencement of work on two pilot rehabilitation sites	Activity 1 Activity 2 Activity 3	30000
	<b>Sub-total Year 2005</b>	<b>30000</b>
<b>Output 2</b> – Monitoring of pilot rehabilitation sites	Activity 4 Activity 5 Activity 6 Activity 7 Activity 8	110000
	<b>Sub-total Year 1</b>	<b>110000</b>
	<b>Total YEAR 1</b>	<b>140000</b>
	% of total budget	46%

## 10- ACTION PLAN YEAR 1 – COMPONENT 2C DEVELOPMENT OF MARINE ACTIVE SUBSTANCES

### Working group

- Moderator : Cécile DEBITUS (IRD)
- Main contributors : Claude PAYRI (Univ-PF/IRD), Dominique LAURENT (IRD), Reuben SULU (Univ-SP)
- Rapporteur : Jean-Pierre BEURIER (Université de Nantes)

### Expected outputs - Year 1

#### Output 1 – Legal component

Activity 1 - Identify legislation existing in the Pacific (international, régional, national)

Activity 2 - Research on national legal settings

Activity 3 - Review applicable and recognised custom systems – Phase 1 – analysis of existing legislation/regulations

Action 4 - Local bibliography in English and French

#### Output 2 – Biodiversity component

Activity 5 – Taxonomic identification - Sites 1 (Solomons) and 2 (Fiji)

Activity 6 - Organisation of georeferenced data base (organisms, habitats, photo..) - Sites 1 (Solomons) and 2 (Fiji)

Activity 7 - Collection of organisms (invertebrates and benthic algae) - Site 2 (Fiji)

Activity 8 - Compilation of reference collections - Sites 1 (Solomons) and 2 (Fiji)

#### Output 3 – Natural substances component

Activity 9 - Extraction

Activity 10 - Screening

Activity 11- Identification of active substances

### Component 2C Funding table for year 1

Outputs	Activities	Funding
<b>Component 1</b> – Legal component	Activity 1	10000
	Activity 2	10000
	Activity 3	5000
	Activity 4	3000
	<b>Sub-total Year 1</b>	<b>28000</b>
<b>Component 2</b> – Biodiversity component	Activity 5	26000
	Activity 6	5000
	Activity 7	10000
	Activity 8	6000
	<b>Sub-total Year 1</b>	<b>47000</b>
<b>Component 3</b> – Natural substances component	Activity 9	18000
	Activity 10	10000
	Activity 11	2000
	<b>Sub-total Year 1</b>	<b>30000</b>
<b>Component 4</b> – training and information-sharing	Activity 12	20000
	Activity 13	6000
	Activity 14	5000
	<b>Sub-total Year 1</b>	<b>31000</b>
	<b>Total YEAR 1</b>	<b>136000</b>
	% of total budget	27%

## Output 4 – Training and institutional strengthening

Activity 12 - Training: Masters in chemistry techniques, doctorates in chemistry and law, post-doctoral work on algae taxonomy.

Activity 13 – Short-term scientific exchanges and summer school (sponges - August 2005)

### GENERAL RECOMMENDATIONS

1. Facilitate obtaining of permits for collecting, research and export of organisms
2. Facilitate access to legislation and regulations of countries concerned
3. Facilitate access to knowledge on customs specific to research topic
4. Recommend areas of common interest between components



Photo CRISP

## 11- ACTION PLAN YEAR 1 – COMPONENT 2D SETTING UP OF PACIFIC DATA BASE

### Working group

- Moderator : Jamie OLIVER (CGIAR-WFC)/ Marco NOORDELOOS (CGIAR-WFC)
- Main contributors : Caroline VIEUX (CRIOBE), Shital SWARUP (USP), Warwick NASH (SPC-WFC)
- Rapporteur : Marco NOORDELOOS

### Expected outputs - year 1

**Output 1** – Establish “ReefBase Pacific” nodes in the Pacific region

Activity1 - Finalize staffing and office arrangements : SPC (2x), USP, SPREP, CRIOBE

**Output 2** – Set up ReefBase data entry system

Activity 2 - Standard database for entry of information on : publications, photos, contacts, datasets/metadata, MPA's, monitoring sites...

Activity 3 -Start data collection at SPC, USP, SPREP, CRIOBE and other collaborating organizations

Activity 4 - Finalize GIS coverage of Pacific coral reefs (NASA)

**Output 3** – Set up standard database for Global Coral Reef Monitoring Network

Activity 5 - Work with partners (CoREMO) in providing guidelines for data system

Activity 6 - Draft and final versions to be used by Pacific GCRMN nodes

Activity 7 - Start compiling standard coral and fish data from monitoring programs

**Output 4** – Produce and distribute information materials to users

Activity 8 – Contribute to joint efforts to develop a socio-economic monitoring tool for coral reefs (SocMon)

## GENERAL RECOMMENDATIONS

1. Clarification needed on timing of availability of funding which will influence certain activities.
2. Make updated logical frameworks for all components available to all partners.
3. Reduce flow of emails within project by asking Project Coordinator to compile monthly newsletter on CRISP.
4. Produce CRISP brochure for communication with potential collaborators and broader public.
5. Hold mid-term CRISP Project meeting of all partners to discuss progress (at ITMEMS3?)
6. It is possible that travel costs of institutions and other partners may rise significantly from the need to develop synergy and network to attain objectives. A formal request will be sent to Coordinating Unit.



Photo Eric CLUA

Component 2C Funding table for year 1

Outputs	Activities	Funding
<b>Output 1</b> – – Establish “ReefBase Pacific” nodes in Pacific region	Activity 1	216,500
<b>Output 2</b> – Set up ReefBase data entry system	Activity 2	21,000
	Activity 3	48,000
	Activity 4	17,500
	<b>Sub-total Year 1</b>	
<b>Output 3</b> – Set up standard database for Global Coral Reef Monitoring Network	Activity 5	0
	Activity 6	0
	Activity 7	0
<b>Output 4</b> – Socioeconomic	Activity 8	15,000
	<b>Sub-total Year 1</b>	
	<b>Total YEAR 1</b>	<b>318,000</b>
	<b>% of total budget</b>	<b>30%</b>



## 12- ACTION PLAN YEAR 1 – COMPONENT 3A INSTITUTIONAL AND TECHNICAL SUPPORT, CAPITALIZATION AND DISSEMINATION

### Working group

- **Moderator** : Dominique BENZAKEN (PROE)
- **Main contributors** : Eric CLUA (Cellule CRISP), Bernard SALVAT (EPHE), Kristian TELEKI (ICRAN)
- **Rapporteur** : Myriam PHILIP (PROE)

### Expected outputs - Year 1

**Output 1** - Institutional strengthening/enabling environment for integrated coastal management

Activity 1 : Review institutional/legislative frameworks for ICM

Activity 2 : Disseminate results widely and promote adoption

Activity 3 : Identification of Marine Biodiversity Hotspots in the Region

**Output 2** - Engendering public support for

sustainable coastal and marine resource management, at all levels

Activity 4 : Strengthen the links between AFD partners in the region to disseminate results and outcomes of project activities to policy makers and managers.

Activity 5 : Case Studies to demonstrate the Total Value of the coastal ecosystems.

Activity 6 : Awareness Raising and social marketing

**Output 3** - Capacity and access to appropriate technologies and alternative livelihoods

Activity 7 : Demonstration Sites / activities as learning centers for "Best Practice" Coastal Resource Management.

Activity 8 : Training Programs

Activity 9 : Networking and clearing house mechanism

Activity 10 : Technology Transfer

## 13 - ACTION PLAN YEAR 1 – COMPONENT 3B - COORDINATION, CAPITALIZATION AND EXTENSION

### Working group

- **Moderator** : Eric CLUA (Cellule CRISP)
- **Main contributors** : Dominique BENZAKEN (PROE), Myriam PHILIP (PROE), Sophie METAIS (AFD), Bernard SALVAT (EPHE), Kristian TELEKI (ICRAN)
- **Rapporteur** : Eric CLUA (Cellule CRISP)

### Expected outputs - Year 1

**Output 1** – Monitoring and coordination of CRISP activities

Activity 1 – Preparation and distribution of summary report from CRISP inaugural technical workshop.

Activity 2 – Finalisation of procedures between AFD and Coordination Unit to support the

report validation process and funding agreement monitoring.

Activity 3 – Proposed standardised procedures and documents to technical partners to optimise activity reports.

Activity 4 – Visits to French Polynesia (CRIOBE, IFRECOR PF, GUMP University), Fiji (USP, FSPI), and Samoa (PROE, ASMPA project)

Activity 5 – Consolidation and validation of first six-monthly report.

**Output 2** – Contribution to promotion of CRISP and to information dissemination and extension within and beyond the project.

Activity 6 – Participation in ICRI CPC meeting

(Seychelles, April 2005) and IFRECOR national committees meeting (New Caledonia, dates to be set).

Activity 7 – Design and implementation of CRISP website including an intranet.

Activity 8 – Contribution to production of a SocMon handbook for the South Pacific.

Activity 9 – Production of a CRISP project information brochure and participation in production of a film on coral reef biodiversity and management, including some CRISP activities.

**Output 3** – Contribution to the development of partnerships with projects related to CRISP, to the involvement of new technical and financial partners and to preparing and carrying out of research or projects complementary to this one and giving it added value.

Activity 10 – Finalization of a partnership with the UNESCO- Central Pacific World Heritage project in Kiribati.

Activity 11 – Finalization of a partnership between CRILOBE (CRISP technical partner) and GUMP University in Moorea (French Polynesia) for a CRISP related project.

Activity 12 – Finalization of a partnership with the GEF-World Bank Coral Reef Targeted Research project.

Activity 13 – Finalization of a technical partnership with Australia for an activity as part of CRISP.

Activity 14 – Finalization of a technical and financial partnership with New Zealand for an activity as part of CRISP.

Activity 15 – Carry out a survey of scleractinian corals in New Caledonia further to research on the ecoregional analysis in New Caledonia (Component 1 – Output 1)

Activity 16 – Contribution to CRISP activities in New Caledonia.

**Component 3B Funding table for year 1**

<b>Outputs</b>	<b>Activities</b>	<b>Funding</b>
Setting up of Coordination Unit		25000
<b>Output 1</b> – Monitoring and coordination of project activities	Activity 4	15000
<b>Output 2</b> – Contribution to promotion of CRISP and to information dissemination and extension within and beyond the project.	Activity 6	3000
	Activity 7	5000
	Activity 8	15000
	Activity 9	2000
<b>Output 3</b> – Partnerships, studies and complementary activities	Activity 15	5000
	Activity 16	10000
SPC Coordination unit costs		15000
		<b>Total YEAR 1</b>
		<b>95000</b>
		<b>% of total budget</b>
		<b>32%</b>

## 14 - GEOGRAPHICAL SCOPE OF ACTIVITIES

	Cook	Fiji	Kirib.	Nauru	Nue	NC	PNG	FP	Solom.	Samoa	Tokelau	Tonga	Tuvalu	Vanuatu	W&F
<b>C 1</b>															
MPAs and watersheds															
1.1 Biodiv. Conserv. Strat.															
1.2 Support for MPAs															
1.3 Network reinforcement															
1.4 Watersheds															
1.5 Coordination															
<b>C 2</b>															
Management, rehabilitation, development															
2-A															
Knowledge, management, development															
2A.1															
Fish larvae															
2A.2															
Fisheries															
2A.3															
Indicators															
2A.4															
Training and Knowledge transfer															
2A.5															
Tourism and CO2															
2-B															
Rehabilitation															
2-C															
Marines substances															
2-D															
Reefbase															
<b>C 3</b>															
Communication, coordination															
3-A															
Activities other than communication															
3-B															
Coordination															

## 15- GENERAL RECOMMENDATIONS AND PROSPECTS

### **BILINGUALISM :**

The two working languages of CRISP are English and French and either can be used for reporting purposes. Reporting in both languages is welcome but not an obligation for agencies and implementers. At the report consolidation stage, the Coordinating Unit will arrange for translation of the consolidated versions.

### **DATA AND INFORMATION MANAGEMENT:**

It was agreed that WFC, in conjunction with UR ESPACE, quickly come up with an information format for enhancement through CRISP in order to ease its inclusion in and processing by the central data bank.

### **INFORMATION AND PROGRESS FEEDBACK:**

The project considers that this phase is a major goal, targeting local communities and resource users. It is recommended that a workshop on this specific topic be scheduled as part of the project.

### **COORDINATION UNIT SUPPORT COMMITTEE:**

It is recommended that consideration be given to setting up a committee to work with the coordination unit. It would be invited to meet by the CU as required on an agenda prepared by the Project Manager. The TOR for this committee would be submitted to donors for approval if they see it as useful. It may have decision-making capacity or just play an advisory role.

### **ROLE OF SPREP**

In addition to its specific information gathering and feedback role, SPREP should play the

role of a facilitator in CRISP Project countries using its local correspondents. It was agreed that SPREP would prepare a 'good conduct guide' for all operators on how to approach countries involved in the project.

### **COMMUNICATION CHARTER:**

It was agreed that the Coordination Unit would prepare such a charter for approval by all CRISP partners as soon as possible.

### **INTEGRATED SITE:**

No decision was taken on the identification of a country or an integrated site at which several project partners could seek synergy between activities so as to optimize CRISP activities and also provide educational references. It was thought that these goals could be achieved by using a number of sites in a number of countries.

### **HOSTING OF CRISP WEBSITE:**

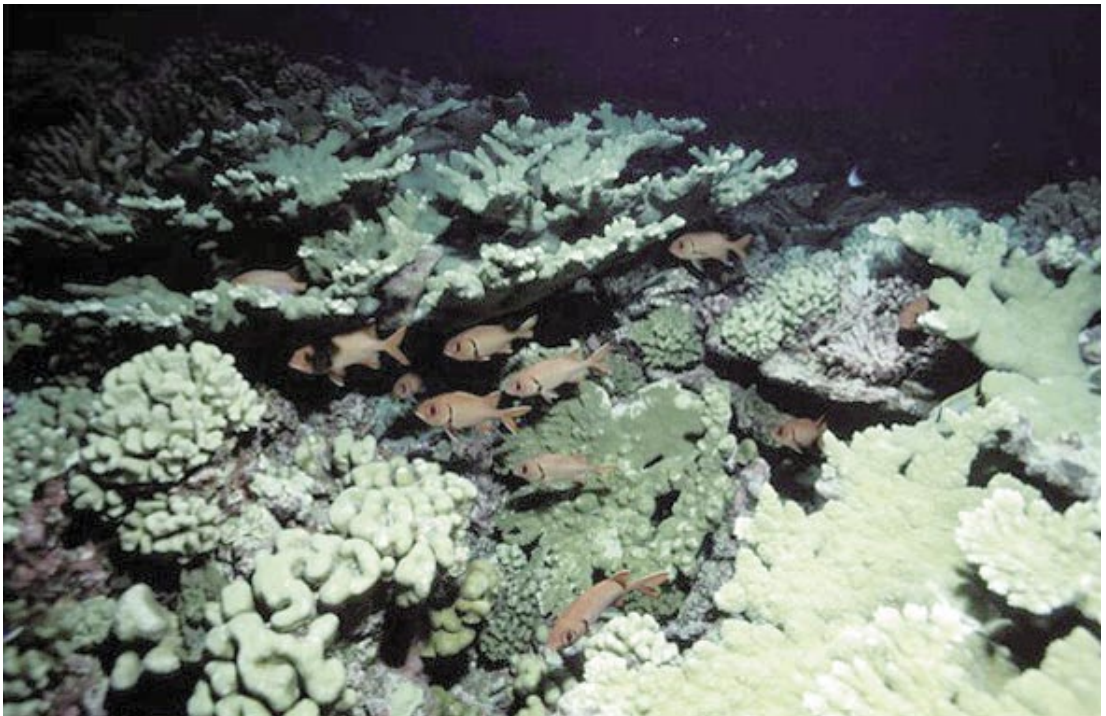
The Coordination Unit would assess the desirability of transferring the website from SPC to WFC on the basis of a proposal costing the transfer and appraising the comparative advantages from WFC.

### **CRISP COORDINATION:**

It was recommended that another technical meeting between project partners be scheduled for 2006 so as to seek synergy within the project and further build up its coherence. Aid donors were asked to remain vigilant as to the importance of the role of the Coordination Unit and to the fact that it was staffed by just one person (the Project Manager), which is insufficient for the work at hand.

**DEVELOPMENT OF PARTNERSHIPS:**

It was recommended that the open CRISP Project approach to collaboration with other developed countries in the region (Australia, New Zealand, USA, Japan) be continued. An important milestone for the project would be the involvement (present or future) of scientific teams from these countries. Such partnerships could also concern other projects (UNESCO Central Pacific World Heritage Project, SPC/PROCFish project, World Bank-GEF Targeted Research Project, etc.), or other potential donors (including the European Union).





The Noumea workshop attracted extensive media coverage in the local, Pacific and world press and on television news in New Caledonia.

### Television

The RFO television channel covered the event by inviting Professor Bernard SALVAT (7.30 pm television news on Sunday 23 January) and Eric CLUA (7.30 pm television news on Friday 28 Jan.) to take part in live broadcasts. A 3-minute special was also shown on Monday 24 Jan. in connection with the "Biodiversity and Governance" workshop being held in Paris the same week.

(1) Scientific adviser of the CRISP

(2) Project manager of the CRISP



### Press

- New Caledonia : « Les Nouvelles Calédoniennes » newspaper- feature on « Coral conservation in the South Pacific » in the environment column on Tuesday 15 January, double-page spread on « First steps towards protecting the lagoon » on Monday 24 January, half-page on « Specific projects for coral protection » in the environment column on Friday 28 January.
- Vanuatu: "The Independent" newspaper, article on "France to protect Vanuatu coral reefs" on 6 February 2005.
- South Pacific: "Oceania Flash" news service, article on « New Caledonia to launch coral reef program" on 26 January 2005.
- AFP story: « Inception of French initiative to protect coral reefs in the South Pacific » on Monday 24 January.

## CONCLUSIONS

It should be pointed out in conclusion that this workshop's main objectives, i.e. to allow partners to meet and understand each other's role and lay the foundations for positive collaboration and finalize Year 1 action plans were unanimously seen as being met. The workshop adopted recommendations which are reproduced herein untouched. But even if they will no doubt be taken into consideration, this does not mean that they will be approved wholesale by donors and the Coordination Unit.

By providing both an overall view and a detailed description of plans for 2005, this summary is a precious tool for finding and formalising partnerships and finding synergies between sustainable development players in the South Pacific around the theme of protecting and managing coral ecosystems.

Please do not hesitate to contact the Coordination Unit.

### Contact :

**Eric CLUA**

CRISP Project Manager

CPS – BP D5 98848 Nouméa cedex

Nouvelle-Calédonie

Tel. +687-26-54-71 / Fax : +687-26-38-18













Courriel : [ericc@spc.int](mailto:ericc@spc.int)
















Site internet : [www.spc.int/CRISP](http://www.spc.int/CRISP)
















## AKNOWLEDGEMENTS

*The CRISP Coordination Unit wishes to warmly thank the staff of the SPC and in particular the Deputy Director General, M. Yves CORBEL, for the warm and professional support provided in the staging of this workshop. A firm vote of thanks is also due to the French Permanent Secretariat for the Pacific, without whose financial support and trust this important step in the CRISP Project launching phase would not have been possible. M. Bruno GAIN, French Ambassador to the Pacific, M. Guy FROMAGET, his colleague, M. Guy DE LA CHEVALLERIE, who took over from M. FROMAGET and M. Hugues NORDI, representing the SPP in Nouméa, also deserve the acknowledgements I dedicate to them herein. Lastly, my thanks go to the staff of the French Development Agency in Nouméa, the Director, M. Jean-Louis PIQUEMAL in particular, and Sophie MÉTAIS for her precious technical assistance, and of course to the professor Bernard SALVAT, scientific advisor of CRISP project, for his critical support during the implementation of the workshop.*

## LIST OF MAIN PARTICIPANTS

<p><b>AUBANEL Annie</b>  <i>IFRECOR PF</i>            BP 2038 Papeete TAHITI            Polynésie Française</p>  <p>Tel : (689) 46 81 50            annie.aubanel@urbanisme.gov.pf</p>	<p><b>BELL Lui</b>  <i>ASP SAMOA</i>            Division of Environment            and Conservation,            Private Bag, Apia Samoa</p>  <p>Tel : (685) 30100            Fax : (685) 25869            lui.bell@mnre.gov.ws</p>	<p><b>BENZAKEN Dominique</b>  <i>PROE APIA</i>            PO Box 240,            Apia            Samoa</p>  <p>Tel : (685) 21929            Fax : (685) 20231            dominiqueb@sprep.org.ws</p>
<p><b>BEURIER Jean-Pierre</b>  <i>Université de Nantes</i>            BP 81307            44313 Nantes Cedex 3            France</p>  <p>Tel : (33) 2 40 14 16 23            Fax : (33) 2 40 14 15 00            jp.beurrier@droit.univ-nantes.fr</p>	<p><b>BOUVET Guénoélé</b>  <i>Geolitto</i>            4, allée du Chatenay VP            98800 Nouméa            Nouvelle-Calédonie</p>  <p>Tel : (687) 78 62 55            bouvet@geolitto.com</p>	<p><b>CASSAN Jean-Jérôme</b>  <i>DDEE</i>            BP 41            98860 Koné            Nouvelle-Calédonie</p>  <p>Tel : (687) 47 72 39            Fax : (687) 47 71 35            dde-com@province-nc</p>
<p><b>CLUA Eric</b>  <i>Chef de projet CRISP</i>            Cellule de coordination            CPS BPD5            98848 Noumea cedex            Nouvelle-Calédonie</p>  <p>Tel : (687) 26 54 71            Fax : (687) 26 38 18            ericc@spc.int</p>	<p><b>CORNUET Nathaniel</b>  <i>Ingénieur Halieute/            Secrétariat CRISP</i>            4, rue F.Chopin VDC            98800 Nouméa            Nouvelle-Calédonie</p>  <p>Tel : (687) 27 71 75            Fax : (687) 27 71 75            cornuet_nath@yahoo.fr</p>	<p><b>DAVID Gilbert</b>  <i>IRD La réunion</i>            10, rue allée des glaieuls            St Clotilde            La Réunion</p>  <p>Tel : (33) 2 62 29 56 29            Fax : (33) 2 62 29 48 78            gilbert.david@la-reunion.ird.fr</p>
<p><b>DEBITUS Cécile</b>  <i>IRD Toulouse</i>            3, rue des Satellites            31 400 Toulouse            France</p>  <p>Tel : (33) 5 34 32 14 08            Fax : (33) 5 34 32 14 14            cecile.debitus@ird.fr</p>	<p><b>DECOUDRAS Pierre-Marie</b>  <i>UPF PGEM</i>            BP 381518 Tamanu            98718 Punaauia Tahiti            Polynésie Française</p>  <p>Tel : (689) 803855            Fax : (689) 803918            pierre.decoudras@ufp</p>	<p><b>DESPINOY Marc</b>  <i>IRD Nouméa</i>            BP A5            98848 Nouméa            Nouvelle-Calédonie</p>  <p>Tel : (687) 26 09 30            despinoy@noumea.ird.nc</p>

<p><b>DICK Régis</b> WWF France 188, rue de la Roquette 75011 Paris France</p>  <p>Tel : (33) 1 55 25 84 47 Fax : (33) 1 55 25 84 74 rdick@wwf.fr</p>	<p><b>EGRETAUD Charles</b> PTPU BP 1746 Papeete Polynésie Française</p>  <p>Tel : (689) 42 29 80 Fax : (689) 42 29 80 ptpu@mail.pf</p>	<p><b>FERRARIS Jocelyne</b> IRD Perpignan EPHE-Université de Perpignan, 52 av Paul Alduy 66 860 Perpignan France</p>  <p>Tel : (33) 4 68 66 20 55 Fax : (33) 4 68 50 36 86 jocelyne.ferraris@ird.fr</p>
<p><b>FONTENELLE Guy</b> ENSAR Agrocampus Rennes Dept Halieutique, 65 rue de St-Brieuc CS 84215 35042 Rennes Cedex France</p>  <p>Tel : (33) 2 23 48 55 33 Fax : (33) 2 23 48 55 35 guy.fontenelle@agrocampus-rennes.fr</p>	<p><b>GABRIE Catherine</b> WWF France 6, rue des Fabres 13001 Marseille France</p>  <p>Tel : (33) 4 96 11 69 42 Fax : (33) 4 96 11 69 49 cgabrie@wwf.fr</p>	<p><b>GALZIN René</b> EPHE Perpignan EPHE-Université de Perpignan, 52 av Paul Alduy 66 860 Perpignan - France</p>  <p>Tel : (33) 4 68 66 20 55 Fax : (33) 4 68 50 36 86 galzin@univ-perp.fr</p>
<p><b>GERAUX Hubert</b> WWF Calédonie BP 692 98845 Nouméa Nouvelle-Calédonie</p>  <p>Tel : (687) 27 50 25 Fax : (687) 27 50 25 hgeraux@wwf.nc</p>	<p><b>GOVAN Hugh</b> FSPI Fidji 6, Des Vœux Rd Suva Fiji</p>  <p>Tel : (679) 331 2250 Fax : (679) 331 2298 hugh.govan@fspfi.org.fj</p>	<p><b>HEAPS Louise</b> WWF Pacifique Sud 4, Ma'afu St, Suva Fiji</p>  <p>Tel : (679) 331 553 lheaps@wwfpacific.org.fj</p>
<p><b>HERRENSCHMIDT Jean-Brice</b> IRD Nouméa BP A5 98848 Nouméa Nouvelle-Calédonie</p>  <p>Tel : (687) 28 08 33 herren@noumea.ird.nc</p>	<p><b>JOB Sandrine</b> CAREX ENVIRONNEMENT 6, Av de l'armée d'Afrique 13100 Aix-en-Provence France</p>  <p>Tel : (33) 4 42 93 95 98 Fax : (33) 4 42 93 95 97 s.job@carexenvironnement.com</p>	<p><b>KOKONEN Marjaana</b> UNESCO World Heritage 7, Place de Fontenay 75352 Paris France</p>  <p>Tel : (33) 1 45 68 18 87 Fax : (33) 1 45 68 55 70 m.kokkonen@unesco.org</p>
<p><b>LAURENT Dominique</b> IRD Noumea BP A5 98848 Nouméa Nouvelle-Calédonie</p>  <p>Tel : (687) 26 07 61 laurentd@noumea.ird.nc</p>	<p><b>LEBIGRE Jean-Michel</b> UNC NC BP 4477 98847 Nouméa Nouvelle-Calédonie</p>  <p>Tel : (687) 26 58 47 lebigre@univ-nc.nc</p>	<p><b>LECAILLON Gilles</b> ECOCEAN 80, rue des Graves 34980 St Clément de Rivière France</p>  <p>Tel : (33) 4 67 67 02 84 ecocean_label@yahoo.com</p>

<p><b>MALLET Bernard</b>  <i>CIRAD France</i>            CIRAD TA10C            Baillangret Montpellier            Cedex 5            France</p>  <p>Tel : (33) 4 67 59 37 74            Fax : (33) 4 67 59 37 33            bernard.mallet@cirad.fr</p>	<p><b>MANGEAS Morgan</b>  <i>IRD Nouméa</i>            BP A5            Nouméa            Nouvelle-Calédonie</p>  <p>Tel : (687) 26 08 32            morgan.mangeas@noumea.ird.nc</p>	<p><b>MARTEL François</b>  <i>Conservation International</i>            SPREP, PO Box 240            Apia            Samoa</p>  <p>Tel : (685) 21593            Fax : (685) 21593            fmartel@conservation.org</p>
<p><b>METAIS Sophie</b>  <i>AFD Nouméa</i>            1, rue de Bartheux            BP J1 Nouméa Cedex            Nouvelle-Calédonie</p>  <p>Tel : (687) 24 26 04            Fax : (687) 28 24 13            metaiss@groupe-afd.org</p>	<p><b>MILLER Sue</b>  <i>Conservation International</i>            Po Box 1386            Apia            Samoa</p>  <p>sue-taei@yahoo.com</p>	<p><b>NASH Warwick</b>  <i>World Fish Center</i>            c/o SPC BP D5            98848 Nouméa Cedex            Nouvelle-Calédonie</p>  <p>Tel : (687) 26 01 31            Fax : (687) 26 38 18            w.nash@cgjar.org</p>
<p><b>NAVARRO Muriel</b>  <i>VARTC</i>            BP 231            Santo            Vanuatu</p>  <p>Tel : (678) 36 890            Fax : (678) 36 355            navarro@vanuatu.com.vu</p>	<p><b>NOORDELOOS Marc</b>  <i>CGIAR PENANG</i>            Jalan Bahu Mannq,            Bahu Mannq            Bayan lepas 11960            Penang - Malaysia</p>  <p>Tel : (60) 4 6261606            Fax : (60) 4 6265530            m.noordeloos@cgjar.org</p>	<p><b>OLIVER Jamie</b>  <i>CGIAR PENANG</i>            Jalan Bahu Mannq,            Bahu Mannq,            Bayan lepas 11960            Penang - Malaysia</p>  <p>Tel : (60) 4 6261606            Fax : (60) 4 6265530            j.oliver@cgjar.org</p>
<p><b>PAYRI Claude</b>  <i>IRD NC</i>            BP A5            98848 Nouméa            Nouvelle-Calédonie</p>  <p>Tel : (687) 26 07 50            Fax : (687) 26 43 26            claude.payri@noumea.ird.nc</p>	<p><b>PHILLIP Miriam</b>  <i>PROE APIA</i>            PO Box 240,            Apia            Samoa</p>  <p>Tel : (685) 21929            Fax : (685) 20231            miriamp@sprep.org.ws</p>	<p><b>POWER Mary</b>  <i>Projet PROCFISH</i>            CPS            BP D5            Nouméa            Nouvelle-Calédonie</p>  <p>maryp@spc.int</p>
<p><b>ROBINSON Floyd</b>  <i>FSPI Coral gardens</i>            CI-PCD Fiji            Box 14447            Suva            Fiji</p>  <p>frobinson@pcdf.org.fj</p>	<p><b>ROUPSARD Olivier</b>  <i>CIRAD Vanuatu</i>            CIRAD-VARTC            BP 231 Santo            Vanuatu</p>  <p>Tel : (678) 36890            Fax : (678) 36355            rousard@cirad.fr</p>	<p><b>SALVAT Bernard</b>  <i>EPHE Perpignan</i>            Université de Perpignan            Avenue Paul Alduy            66860 Perpignan France</p>  <p>Tel : (33) 4 68 66 20 55            Fax : (33) 4 68 50 36 86            bsalvat@univ-perp.fr</p>



**SULU Reuben**

*USP Fidji*  
 PO BOX 1168  
 Suva  
 Fiji



Tel : (679) 3212663  
 sulu\_r@usl.ac.fj

**SWARUP Shital**

*USP Fidji*  
 IMR, University of South  
 Pacific  
 Suva  
 Fiji



Tel : (679) 3212988  
 Fax : (679) 3309494  
 swarup\_s@usp.ac.fj

**TELEKI Kristian**

*ICRAN UK*  
 219 Huntingden Road  
 Cambridge  
 CB 30 DL  
 UK



Tel : (44) 1223 277314  
 Fax : (44) 1223 277 136  
 kteleki@icran.org

**THAMAN Randy**

*USP Fidji*  
 IMR, University of South  
 Pacific  
 Suva  
 Fiji



Tel : (679) 3212546  
 Fax : (679) 3301487  
 thaman\_r@usp.ac.fj

**TRAMONI Fanny-Fleur**

*UNC NC*  
 BP 9200  
 98807 Nouméa Cedex  
 Nouvelle-Calédonie



Tel : (687) 26 21 73  
 fftramoni@hotmail.com

**VIEUX Caroline**

*EPHE Perpignan*  
 CRIOBE BP 1013  
 Papetouai 98729 Moorea  
 Polynésie Française  
 Tel : (689) 56 13 45  
 carolinevieux@hotmail.  
 com

**WILKINSON Clive**

*AIMS Australie*  
 PO Box 772  
 Townsville 4810 QLD  
 Australie



Tel : (61) 7 47 298 452  
 Fax : (61) 7 47 298 449  
 c.wilkinson@aims.gov.au

**ZANN Leon**

*USP Fidji*  
 IMR, University of South  
 Pacific  
 Suva  
 Fiji



Tel : (679) 330 5232  
 Fax : (679) 330 1490  
 zann\_l@usp.ac.fj