



Intergovernmental
Oceanographic
Commission



Permanent
Commission for the
South Pacific



Government of
Flanders

3rd Meeting of the Steering Committee of the Southeast Pacific data and Information Network in support to Integrated Coastal Area Management (SPINCAM Project)

9-10 November 2010
Santa Marta, Colombia

Summary Report

1. OPENING

The 3rd meeting of the SPINCAM Steering Committee was held at Estelar Hotel, Santa Marta, Colombia, from 9 to 10 November 2010. Mr. Julian Barbière, IOC representative and project manager, and RAdm. Hector Soldi, Secretary-General of the CPPS, opened the meeting at 9 am and welcomed the participants. The project coordinators thanked the Colombian Delegation for hosting the event and reminded the significance of the project in the region and the importance of reinforcing institutional networks. Opening remarks were also delivered by Dr. Jesús Garay sub-director of INVEMAR who welcomed all the participants on behalf of Colombia (*Annex 1*).

Mr. Rudy Herman, representative of the Government of Flanders highlighted the particularity and uniqueness of the SPINCAM project and the challenge to cooperate between institutions.

Dr. Jesús Garay chaired the session on the first day whilst Ms Andrea Ramírez chaired the session on the second day. The agenda was approved as presented in *Annex 2*.

2. PROJECT OVERVIEW, DECISIONS OF 2ND STEERING COMMITTEE AND MAIN PROGRESS ACHIEVED

Ms. Carmen Morales (IOC/UNESCO) presented an overview of the SPINCAM project reminding the objectives, organigramme (*Annex 3*), and the progress so far achieved in the implementation of the project workplan. She also reviewed the challenges observed during the last months while an update on the status of pending activities (*Annex 4*) was made by the countries. The participants also reviewed the table of national responsibilities as presented in *Annex 5*.

The kick-off meeting of the SPINCAM project took place two years ago in Guayaquil, June 2008. During this first two years of SPINCAM, new challenges have emerged that in some cases have led to the need to adjust activities and timelines. The workshop on national experiences in indicators (Lima, October-September 2008) gave a picture of the starting point for each of the five countries involved in the project. Many differences between the participating countries were shown. In fact, at the beginning of the project four (out of five) of the countries were involved in Work Package 3 (related to the development of national indicators framework). However, during the workshop, it was shown

that the fifth country, whose experience had been previously overestimated also needed to be included. For that reason, the budget of Work Package 3 had to be recalculated and shared between the five countries.

Important adjustments were also performed in the Work Package 2 activities (Information and data management), after the first regional workshop and 2nd Steering Committee (Lima, October 2009). Despite the workplan and timeline adjustments made in October 2009, some weaknesses have been identified when trying to perform WP2 activities; amongst them the need to reinforce national networks of data and information managers in support of SPINCAM objective is a critical one.

Political and administrative issues also may have affected the course of the SPINCAM project. Political changes in some of the countries have meant changes of responsibilities in the national focal points and temporary delays of the process. For one of the countries new administrative laws have created difficulties in receiving the assigned funds. For the case of Chile, the February 2010 Tsunami event affected the implementation of the national activities.

As a result of all of these modifications, the timeline of the SPINCAM project has been reviewed and workshops and training courses have been planned according to the identified needs of each of the participant countries.

The main lessons learned in this first year of SPINCAM life are:

- i) the importance to identify the right people that should attend the workshops and participate in the project from a technical and general point of view;
- ii) the significance of reinforcing the national institutional networks;
- iii) the necessity to take into account internal political and administrative issues when planning the activities;
- iv) the need for flexibility when working with five different countries;
- v) the importance to strengthen the relationship and communication between NTFP, NODC and IODE coordinators.

3. REVIEW OF WORK PACKAGES ACTIVITIES, PRODUCTS, MILESTONES AND RESPONSIBILITIES.

WP2 Data and Information Management

Special attention was given to WP2 regarding next activities in Data and Information Management. Mr. Ariel Troisi, coordinator of IODE/ODINCARSA presented this item. He highlighted the importance of reinforcing institutional and personal networks and reminded the objectives of Data and Information management of the SPINCAM project. The correct interrelationship between NTFP, NODCs and IODE coordinator was identified as essential for the progress of WP2 activities whereas the two main challenges recognized in this workpackage were the integration of metadata and the development of the Atlas. Mr Troisi reminded the significance of taking advantage of the ODINCARSA network as a tool in the SPINCAM project, and presented to the countries the options of training courses offered by IODE. Countries were invited to inform about their building capacity needs in order to prepare a training program according to the SPINCAM requirements.

Mr. Troisi presented GeoNetwork which is a catalog application to manage spatially referenced resources useful to manage metadata. The countries agreed to make use of this instrument and Colombia proposed an expert to train other colleagues in the exploitation of this application. A training course on GeoNetwork was scheduled for the fourth week of January 2011 in Bogotá, to be followed by the metadata workshop to be held in Lima, March 2011. Discussions led to the agreement on some other issues (5. *Decisions*).

WP3 National Indicators

Ms. Magaly Valencia (CPPS) presented this item, by reminding the objectives and activities. Each country made a presentation on the status of the activities. Summaries are included in *Annex 6*.

WP4 Regional Indicators

As agreed in the previous Steering Committee meeting, each country is responsible of one of the 5 Regional Indicators selected. Advances in the formulation of the regional indicators were presented by each country who agreed to report the information needed to finalize the fact sheets by December 15. The final Regional Indicators fact sheets including a common methodology should be ready by the end of January 2011. Ms. Ann-Katrien Lescrauwaet (Flanders Government Representative) proposed to keep track on the formulation of indicators, and it was stressed the importance of using the Virtual Office for this purpose. She highlighted that the process of obtaining the indicator is equally important as the end-product.

Discussion of each regional indicator is synthesized in this table:

Regional Indicator	Responsible	Main Issues Discussed
Marine Protected areas	ECUADOR	- CPPS will provide information on Marine Protected Areas in the Region
Population dynamics	PANAMÁ	- The importance of including temporary population (tourism) was stressed, and will need to be incorporated when this information is available
Planning tools and marine-coastal management for integrated coastal zone management	CHILE	- A matrix with key questions will be performed to provide comparability among countries.
Water Quality	COLOMBIA	- CPPS will provide information from the Lima Convention on this issue
Biodiversity	PERÚ	- It was decided to simplify this indicator to an assessment of Key Ecosystems in the region

WP1 Project Coordination

The Project coordinators emphasized the importance in having good communications and keeping track of the advance of the activities through the Virtual Office. They requested the countries to prepare updated reports on the progress of the SPINCAM activities. In the remaining phase of the project, CPPS will channel project funds to the countries for WP 3 activities whilst IOC will contract

national SPINCAM agencies for the implementation of WP2 activities. In view of these arrangements, it will be important to identify the most operational administrative model.

4. REVIEW OF SPINCAM TIMELINE AND BUDGET

For all the Work packages the timeline and updated budget was also reviewed. An overall plan of SPINCAM work packages is attached in *Annex 7*. The approved budget was agreed and it is attached in *Annex 8*.

5. DECISIONS

The decisions taken during the 3rd meeting of the Steering Committee of SPINCAM are summarized below:

Capacity Building

- Ocean Atlas Development Course should be organised in April 2011, by IODE. CPPS will host the meeting in Guayaquil.
- Countries agreed to identify from IODE training program 2011 the course where they want to participate (specifically to courses related to the issues of SPINCAM), by November 30. This information should be sent to CPPS and ODINCARSA/IODE coordinators.
- Countries agreed to identify candidates at least 2 months before the course, and communicate the name to the Secretariat CPPS-IOC

Workpackage 1: Coordination

- The list of the contact points and responsibilities was reviewed and reconfirmed (*Annex 5*)
- The Workplan and budget were revised and approved (*Annexes 7 and 8*)
- It was decided that countries that have not completed activities from phase 1 should finalise them as soon as possible and send revised progress report to CPPS by 30 November

Workpackage 2: Data and Information Management

- Countries agreed to complete the list of pending activities by 30 November, and provide the Secretariat CPPS-IOC an updated report.
- A Geonetwork Training Course will be scheduled the 4th week January, Bogotá. 2 participants per country are expected to attend. These participants will be identified by the SPINCAM National Focal point in consultation with IODE National Coordinators, and their names will be forwarded to ODINCARSA before 30 November who will coordinate this course together with IOC, CPPS and Colombia NFP.
- It was decided that the metadata meeting will take place 1st week of March in Lima.
- It was agreed that ODINCARSA/IODE in collaboration with CPPS will facilitate the metadata meeting. A Technical Working Group, working by correspondence, should be formed, composed of IODE National Coordinators and ODINCARSA

representative, to facilitate the metadata activities (ODINACARSA will coordinate this group). The participants identified to attend the Metadata meeting should be the one who will carry on the work identified under the work package. The National Technical Focal point together with one of the Trainee of the Geonetwork Training should participate. A representative of ICAN will be invited at the Metadata meeting in order to start-up the Atlas technology discussion.

- Countries agreed to make sure that the national data & information management groups are operational and include the NODC, IODE national coordinators and NFTP. NODC, whenever possible, should assume the responsibility of SPINCAM Data Centre
- Countries agreed to use the Geonetwork application for spatially referenced data and metadata.
- Countries agreed to put more emphasis in information management by close interaction with IODE IM national coordinators in the identification, management and distribution of bibliography pertinent to the project objectives.

Workpackage 4 - Regional Indicators, Dissemination and Outreach

- Countries agreed to report information about the Regional Indicators fact sheets by December 15.
- Countries agreed to send the Final Regional Indicators fact sheets by 30 January.
- It was decided that each country will nominate a person responsible for their respective Regional Indicator.
- Countries decided that one Regional Indicator (one with available data ie. MPA) will be tested as a pilot to produce the shape files. A validation stage will be conducted.
- It was decided to inform and link the Lima Convention about SPINCAM project.
- It was agreed to schedule a Symposium by the end of the project (venue: Chile to be confirmed).
- CPPS will seek additional resources for the organisation of the final Symposium. A call for support will be made at the coming 2010 Lima Convention meeting.

7. POSSIBLE FOLLOW UP TO SPINCAM – PROPOSAL TO FLANDERS

The representative of the Government of Flanders, Mr. Rudy Herman expressed his confidence in the SPINCAM project, and his expectations for a 2nd phase coming up. Mr. Herman reminded the need to complete the products of this 1st phase before a formal proposal for a new phase is submitted to Flanders and explained the procedure of application which would include an evaluation process after the presentation of the final report of the project in November 2011.

8. CLOSURE

Ms. Andrea Ramírez, chair of the 2nd day of the meeting and part of the Colombia NFP, closed the meeting at 18.00. IOC and CPPS representatives thanked the Colombian delegation for their support and hospitality and acknowledged the participants for their involvement and work during the meeting.

ANNEX 1

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ANNEX 2

AGENDA

3rd meeting of the SPINCAM Steering Committee

Santa Marta, 9-10 November 2010

AGENDA

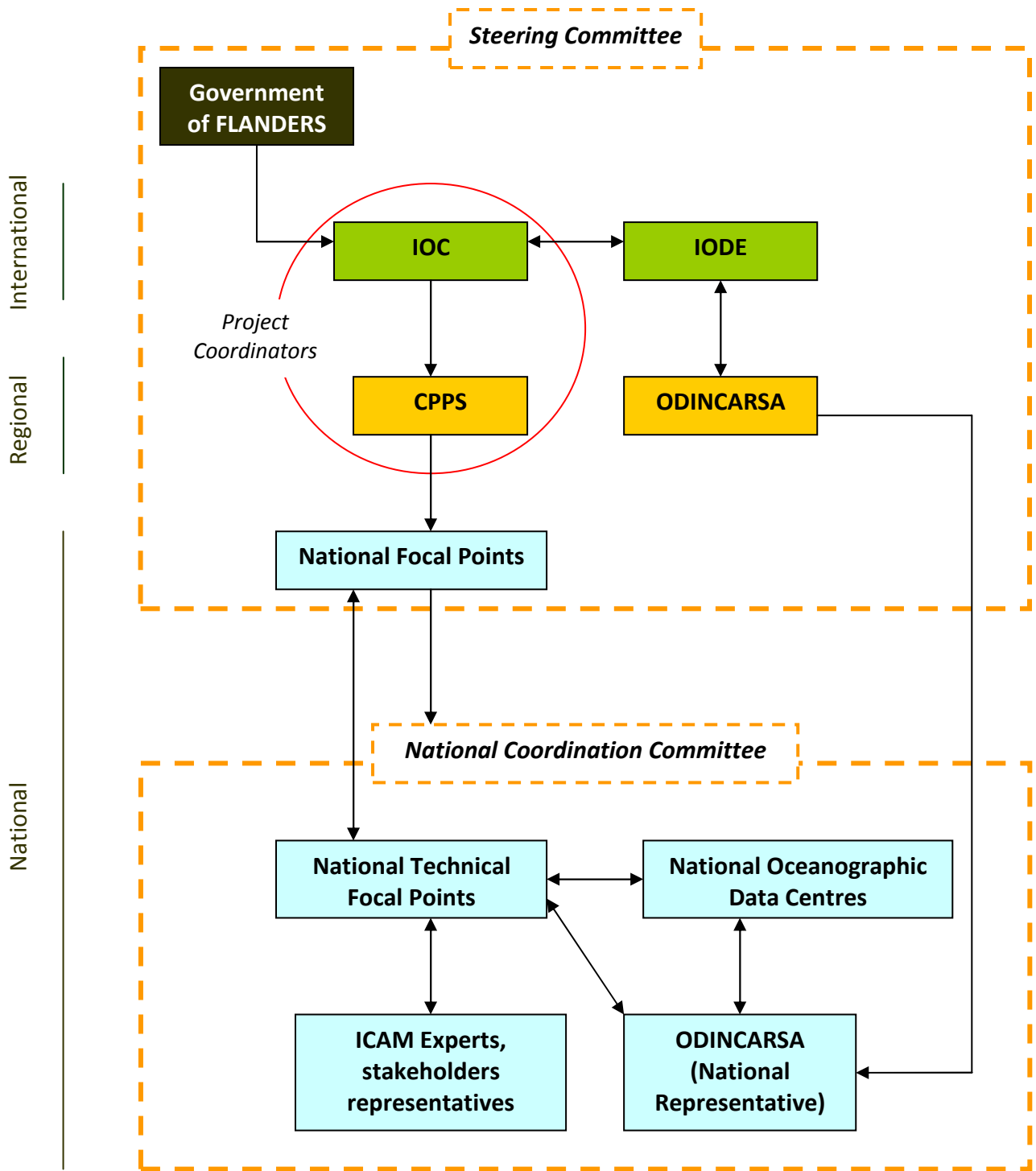
<i>Tuesday, 9 November 2010</i>		
TIME	ACTIVITY	SPEAKER
8:30-9:00	Registration	Participants
9:00-9:15	Opening	Project coordinators (CPPS + COI) Flanders Government representative
9:15- 9:30	Organization of the meeting 1) Selection of chairman 2)Adoption of the agenda	Plenary
9:30-10:00	Item 1: Project overview, decisions of 2nd Steering Committee and main progress achieved	IOC
10:00-11:00	<p>Item 2: Review of Work Package 2 activities, products and milestones (background document WP2 Workplan):</p> <p>Work Package 2: Overview, progress, challenges</p> <p><i>National presentations (10 mins per country) :</i></p> <ul style="list-style-type: none"> - Review of activities conducted since Oct. 2009 (1.1- to 1.3) <p><i>1.1 National networks of Data and Information Managers</i></p> <ul style="list-style-type: none"> - Review of designated IODE National Coordinators - Review of designated SPINCAM NOCD - Review of designated Data Managers - Review of designated Information Managers - National directories of institutions and experts - Discussion on the improvement of National networks of Data and Information Managers <p><i>1.2 Training requirements</i></p>	<p>IODE/IOC</p> <p>Countries</p>
11:00-11:15	Coffee break	

11:15-12:30	<p>Item 2: Review of Work Package 2 activities, products and milestones (cont):</p> <p><i>1.3 Validation of national inventories</i></p> <ul style="list-style-type: none"> - National data architecture - Review of top-level catalogue of data holdings <p><i>1.4 Planning the Metadata meeting.</i></p> <ul style="list-style-type: none"> - Who should participate - What is required from countries - Creation of metadata in GeoNetwork - Proposed date <p><i>1.5 Establishment of online mapping service/ Atlas on line</i></p> <p><i>1.6 Agreement of reviewed WP2 workplan</i></p>	IODE/CPPS
12:30-14:00	Lunch	
14:00-15:30	<p>Item 3: Review of Work Package 3 activities, products and milestones:</p> <p><i>Overview of Work Package 3</i></p> <p><i>National presentations (10 mins per country) :</i></p> <ul style="list-style-type: none"> - Review of activities conducted since Oct. 2009 (2.1- to 2.3) <p><i>2.1 Review of national Indicators Fact sheets with methodology defined</i></p> <p><i>2.2 Indicators Calculation</i></p> <p><i>2.3 Outreach</i></p> <ul style="list-style-type: none"> - materials for general public - workshops for local managers/stakeholder validation <p><i>2.4 Agreement of reviewed WP3 workplan</i></p>	<p>CPPS</p> <p>Countries</p>
15:30-15:45	Coffee break	
15:45-17:30	<p>Item 4: Review of Work Package 4 activities, products and milestones:</p> <p><i>3.1 Review of regional Indicators Fact sheets with methodology defined – Brief Country reports</i></p> <p><i>3.2 Partnership with other networks</i></p> <p><i>3.3 Outreach material</i></p> <p><i>3.4 Agreement of reviewed WP4 workplan</i></p>	<p>CPPS</p> <p>Countries</p>
Wednesday, 10 November 2010		
9:00-10:00	Item 5: Review of SPINCAM timeline and budget	Plenary
10:00-11:00	Item 6: Project management and coordination (WP1)	Plenary
11:00-11:15	Coffee break	
11:15-13:00	Item 7: Review of challenges and success of the SPINCAM project	Plenary

13:00-14:30	<i>Lunch</i>	
14:30-16:30	Item 8: Possible follow up to SPINCAM – Proposal to Flanders	Plenary
16:30-17:30	Item 9: Other business	Plenary
17:30	Item 10: Closure	Plenary

ANNEX 3

SPINCAM ORGANIGRAMME



ANNEX 4

Checklist of pending activities

Activities		CHILE	COLOMBIA	ECUADOR	PANAMÁ	PERÚ
Identify National Indicators and methodology	- Selection of National Indicators	✓	✓	✓	✓	✓
	- Identify related parameters and methodology	🕒	✓	✓	✓	✓
	- Identify national partners/ data providers/ info managers	✓	✓	✓	✓	🕒
	- Ensure buy-in of national partners	✓	✓	✓	🕒	✓
	- Establish and reinforce relationships with data providers/institutions	✓	✓	🕒	🕒	✓
	- Identify national SPINCAM data centres	✓	✓	✓	✓	✓
	- Identify national SPINCAM data architecture (model 1,2,3) used by countries	🕒	✓	🕒	🕒	✓
	- Finalize technical sheets	🕒	✓	✓	🕒	✓

Identify Regional Indicators and methodology	Finalize technical sheets:						
	Regional Indicator	Responsible					
	Marine Protected Areas	ECUADOR					
	Population Dynamics	PANAMÁ	🕒	🕒	🕒	🕒	
	Planning tools and marine-coastal management for integrated coastal zone management	CHILE					
	Water Quality Biodiversity	COLOMBIA PERÚ					
Identify SPINCAM institutional coordinator and technical focal points (DM, IM) for each national partner			✓	✓	✓	✓	✓
Identify users and required user products			🕒	✓	✓		🕒
Assess national/institutional capacity building needs + training plan, and send it to IODE			🕒	✓		🕒	✓
Prepare national directory of institutions and experts			🕒	✓		✓	🕒
Development of public awareness materials on ICAM			✓			🕒	🕒
Provide links for the SPINCAM website (www.spincamnet.net / www.spincamnet.org)			✓		✓	🕒	✓

✓ Done

🕒 In progress

ANNEX 5

Table of SPINCAM national responsibilities

en	CHILE	COLOMBIA	ECUADOR	PANAMÁ	PERÚ
NFP - National Focal Point	Ministerio de Defensa Nacional. Subsecretaría para las Fuerzas Armadas	Ministerio de Ambiente, Vivienda y Desarrollo Territorial MAVDT - Instituto de Investigaciones Marinas y Costeras INVEMAR	Ministerio del Ambiente. Subsecretaría de Gestión Marino Costera. SGMC	Autoridad de Recursos Acuáticos. ARAP	Instituto del Mar del Perú. IMARPE
NTFP – National Technical Focal Point	Comisión Nacional del Uso del Borde Costero	Dirección General Marítima - Centro Control Contaminación del Pacífico DIMAR-CCCP	Dirección de Normativas y Proyectos Marinos Costeros de la SGMC	Dirección General de ordenación y manejo integral de la ARAP	Unidad de monitoreo y gestión marino costera del IMARPE
NODC	SHOA	Centro de Investigaciones Oceanográficas e Hidrográficas del Pacífico – CCCP	INOCAR	Instituto de Geociencias de la Universidad de Panamá.	DHN
IODE DATA MANAGER NATIONAL COORDINATOR	Teresa Calvete (SHOA)	Efrain Rodriguez Rubio (DIMAR)	Othoniel Palacios (INOCAR)	José Simmonds (tbc)	Silvia Loayza Aguilar (DHN)
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Data Management Expert (attending training courses)	Dante GUTIÉRREZ BESA (DIRECTEMAR)	Diana Carolina GUTIERREZ MORENO (INVEMAR) Ruby ORTIZ MARTÍNEZ (CCCP)	Maria MERIZALDE (INOCAR)	José SIMMONDS SHEPPARD (Universidad de Panamá)	Piero VILLEGAS (IMARPE)

ANNEX 6

Progress Activities. Summaries

CHILE

La Subsecretaría para las Fuerzas Armadas y Secretaría Técnica de la CNUBC, Punto Focal Nacional y Técnico del Proyecto SPINCAM, es la institución que cuenta con las facultades legales para ejercer competencias en la administración del borde costero en Chile, en el marco de la Política Nacional de Uso del Borde Costero de la República.

El trabajo realizado hasta la fecha ha consistido principalmente en la coordinación interinstitucional para formar el inventario nacional de datos y seleccionar los indicadores de GIZC, que se aplicarán para el borde costero de Chile, como también el análisis de pertenencia de tales indicadores y actualmente en ejecución definir la metodología para su cálculo.

Cabe hacer presente la disposición de las instituciones participantes de Chile para cumplir con las metas del Proyecto SPINCAM, puesto que finalmente redundan en beneficios para todos los países participantes. Además destacar el especial interés de la Subsecretaría para las Fuerzas Armadas, que en conjunto con DIRECTEMAR y el SHOA, aportarán sus esfuerzos y apoyo técnico, para reprogramar las actividades pendientes, al ser aprobada la propuesta de Contrato para continuar, lo que será formalizado oficialmente.

Los desafíos para las próximas etapas pasan por coordinar con los integrantes del GMDI el suministro de los datos para el inventario nacional, la ejecución del Contrato con el Consultor externo y una mayor operatividad entre los organismos principales, en el Proyecto SPINCAM, después de haber pasado el tiempo requerido Post maremoto 27 FEB.

La propuesta para continuar, que se somete a la aprobación de la Autoridad del Proyecto SPINCAM (CPPS - COI – UNESCO – Gobierno de Flanders), consiste en un contrato directo de CPPS a un consultor externo en Chile para desarrollar las siguientes fases, con la adecuación del cronograma que brinde mayor plazo y permita cumplir con las metas fijadas. Actualmente se cuenta con la selección de dicho Consultor por parte del Punto Focal Nacional y Punto Focal Técnico SPINCAM. Este último actuaría como contraparte técnica para validar los productos entregados y también se cuenta con el Contrato, que de ser aprobada la referida propuesta, se procedería a su firma.

“La Zonificación costera integrada y el Sistema de Indicadores de GIZC que definen el Estado de la Costa, ha requerido de acuerdos, compromiso y colaboración del GMDI SPINCAM Chile, y se transformarán en importante herramientas de gestión del Sistema de Administración de la Zona Costera.

COLOMBIA

La Fase I del proyecto SPINCAM en Colombia, llevada a cabo durante los años 2009 y 2010, obtuvo los siguientes resultados: 1) Conformación de las redes de datos e información y coordinación interinstitucional para la implementación de indicadores de gestión costera: el proyecto es coordinado por el Punto Focal (Ministerio de Ambiente, Vivienda y Desarrollo Territorial –MAVDT y el Instituto de Investigaciones Marinas y Costeras –INVEMAR) con la participación del Punto Técnico (Centro de Investigación Oceanográfica e Hidrográfica del Pacífico –CCCP). 2) Talleres nacionales y

reuniones técnicas: se realizaron 3 talleres nacionales con el Grupo de Manejo de datos e Información GMDI y diversas reuniones técnicas con las instituciones encargadas de la formulación y cálculo de los indicadores. Igualmente se conformó el directorio de instituciones y expertos nacionales. 3) Necesidades de entrenamiento: se establecieron las necesidades de entrenamiento y se capacitaron tres personas en los temas de Sistemas de Información Geográfica y Manejo de datos oceanográficos. 4) Arquitectura de datos: se estableció la arquitectura de datos del sistema de indicadores de acuerdo a los lineamientos del Sistema de Información Ambiental para Colombia SIAC. Igualmente se incluyó la iniciativa SPINCAM en el conjunto de iniciativas de indicadores en las participa el país (www.siac.gov.co). 5) Hojas metodológicas y cálculo de los indicadores nacionales: Colombia seleccionó 11 indicadores, incluyendo los cinco indicadores que se compararán entre los países a los cuales se les formuló hoja metodológica y se elaboró reporte de cálculo. 6) Propuesta de indicador regional de calidad del agua: de acuerdo a propuesta realizada durante Fase I se explicó la necesidad de realizar ajustes en la metodología de cálculo a nivel regional para comparar entre países.

ECUADOR

En el Marco del Proyecto SPINCAM, la Subsecretaría de Gestión Marina y Costera ha desarrollado las siguientes actividades: se conformó el Comité Nacional de Coordinación del proyecto SPINCAM en Ecuador; el mismo que está integrado por 9 instituciones.

Al momento, se han realizado 3 talleres de coordinación donde se trabajó junto con las instituciones involucradas en el Manejo Costero Integrado en el Ecuador, incluyendo la Asociación de Municipalidades del Ecuador- Costa, las universidades, y las instituciones del sector público, como la Secretaría Nacional del Agua, Instituto Nacional de Estadísticas y Censos, Ministerio de Salud.

En estos talleres se afinaron las fichas metodológicas para los indicadores nacionales seleccionados, así como las instituciones responsables de cada una, las cuales ya están finalizadas. Y al mismo tiempo, se están fortaleciendo las relaciones interinstitucionales implementar este proyecto para el desarrollo de las redes de datos.

Las Fichas Nacionales son:

Indicadores de Gobernanza (G)

- 1) G-6, Áreas Marinas y Costeras Protegidas, AMCP
- 2) G-1, Mecanismo de Coordinación Interinstitucional
- 3) G-2, Legislación
- 4) G-3, Valoración de Impactos Ambientales
- 5) G-12, Formación y Capacitación

Indicadores Ecológicos (E)

- 6) E-1, Diversidad de Especies
- 7) E-3, Abundancia de Especies Marino-costeras
- 8) E-8, Red de Monitoreo de la Calidad del Agua

Indicadores Socio-económicos (SE)

- 9) SE-2, Inversiones Directas
- 10) SE-7, Salud de la Población
- 11) SE-6, Necesidades Básicas Insatisfechas

Se han identificado las necesidades de capacitación para implementar este proyecto. Así como se ha trabajado en conjunto con el Instituto Oceanográfico de la Armada (INOCAR) en su calidad de Centro Nacional de Datos Oceanográficos.

Se han definido las debilidades y las fortalezas de las instituciones para cumplir con los objetivos del proyecto.

PANAMÁ

Entre enero y agosto del 2010 Panamá remitió información para la elaboración de los indicadores regionales de Calidad de Agua- a Colombia y Manejo Integrado de Zonas Costeras – a Chile e información concerniente al cumplimiento da algunas actividades como:

- Identificación del Centro Nacional de Datos Oceanográficos IODE (Instituto de Geociencias de la Universidad de Panamá.),
- Entregó el directorio nacional de instituciones y expertos MCI,
- Identificación de usuarios y los productos requeridos por los usuarios
- El Punto Focal Nacional Técnico del Proyecto participó en la integración de la Red Nacional de Manejo Costero Integrado.

Durante ese periodo el equipo de trabajo Nacional realizó una sola reunión debido a contratiempos con el consultor que fuese contratado para el seguimiento y desarrollo del proyecto.

Debido a los retraso en la entrega de las actividades el Punto Focal Nacional Técnico del proyecto ha programado una serie de reuniones para la revisión de los parámetros, y las fichas metodológica de los indicadores nacionales elaboradas, e igualmente estará revisando el indicador Regional de Dinámica de Población, una vez los países remitan la información requerida para la elaboración de dicho indicador, para ello se ha elaborado el siguiente cronograma de trabajo:

Tareas	Fecha de la Actividad	Participantes	Resultados Esperados
1. Revisión de Parámetros relativos al indicador y a la metodología de los Indicadores Nacionales elegidos 2. Revisión de Fichas técnicas correspondientes a indicadores nacionales y revisión de las que están listas	17 y 18 de noviembre	Grupo Nacional de Trabajo GMDI	Parámetros, Metodología y Fichas Técnicas de los indicadores nacionales.
3. Identificar las necesidades nacionales en cuanto a capacidades, producir un plan de formación y enviárselo a IODE.	8 al 12 de noviembre	Instituto de Geociencias	
4. Indicador Regional y Metodología -Dinámica de Población	1 y 2 de diciembre	Grupo Nacional de Trabajo GMDI	Ficha Técnica del Indicador Regional de Dinámica de Población

<p>5. Proporcionar enlaces para la página Web SPINCAM (www.spincamnet.net / www.spincamnet.org).</p> <p>6. Creación de links sobre el proyecto en páginas claves</p>			
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PERÚ

El 9 de junio del 2009, durante una reunión del Grupo Nacional de Manejo de Zonas Costeras, se formó el Sub-Grupo de Trabajo para el Apoyo el proyecto SPINCAM. Su tarea es asegurar que se cumplan los objetivos del proyecto para lo cual se constituye en el órgano de coordinación de manejo e intercambio de los datos y difusión de la información resultante de estos datos.

Durante el 2010 este Grupo de ha reunido en 7 oportunidades (13 de enero, 27 de enero, 26 de febrero, 23 de abril, 4 de junio, 23 de julio y 28 de setiembre) para discutir los temas del proyecto SPINCAM, discutir los mecanismos de intercambio de datos que procesa cada institución y el papel que tienen en relación con el Manejo Costero como organismos del estado.

Asimismo el Grupo ha trabajado en la definición de la arquitectura de los datos SPINCAM para la sistematización de los indicadores. El Grupo ha designado como Centro Nacional de Datos SPINCAM a la Dirección de Hidrografía y Navegación de la Marina de Guerra del Perú. Con la ayuda de este grupo se ha elaborado el directorio de Contactos en Instituciones Nacionales Relacionadas al Proyecto SPINCAM

Asimismo definió las necesidades nacionales de capacitación para el proyecto. Es necesario reforzar capacidades en el manejo de otro tipo de datos (de Gobernanza, Socioeconómicos, etc.). El Grupo de Manejo de Datos e Información ha considerado pertinente implementar una red de intercambio de datos de instituciones y expertos. Esta red trabajará utilizando la plataforma de Internet inicialmente.

Los logros alcanzados hasta el momento se presentaron en el 2do Informe de Avance del la Implementación del Proyecto SPINCAM en el Perú, en los cuales se definieron la Ficha del Indicador Regional (Biodiversidad) y las Fichas Metodológicas de los Indicadores Nacionales. En un posterior documento se respondieron a las observaciones realizadas al anterior informe. En dicho documento se detallan los acuerdos de cooperación con instituciones nacionales para el intercambio de datos, la definición del modelo de datos y los links en la página web del IMARPE referentes al proyecto.

ANNEX 7

OVERALL SPINCAM WORKPLAN

Workplan WP1 –oct10		Q4 - 2010	Q1 - 2011	Q2 - 2011	Q3 - 2011	Q4 - 2011
	Coordinator agreement with CPPS					
	Establishment of Steering Committee					
	1st meeting of the Steering Committee					
	2nd meeting of the Steering Committee					
	3 ^m meeting of Steering Committee	9-10Nov				
	Final evaluation					
	Project completed					
Workplan WP2 –oct10		Q4 - 2010	Q1 - 2011	Q2 - 2011	Q3 - 2011	Q4 - 2011
1	Identify 5 regional indicators and national indicators					
2	Identify related parameters (Chile pendiente Marzo2011)	Chile pend				
3	Identify national partners/ data providers/ info managers	30 Nov				
4	Ensure buy-in of national partners	30 nov				
5	Identify users and required user products	30 nov				
6	Identify SPINCAM institutional coordinator and technical focal points (DM, IM) for each national partner	30 nov				
7	Assess national/institutional capacity building needs + training plan	30 nov				
8	Prepare national directory of institutions and experts	30 nov				
9	Meetings of national SPINCAM coordinating body (data management/info man)	30 nov				
	Course GIS					
	Course Marine Data Management					
10	Agree on national WP2 work plan	30 nov				
11	Identify national SPINCAM data architecture (model 1,2,3) used by countries	30 nov				
12	Identify national SPINCAM data centre	30 nov				
13	Prepare top-level catalogue of data holdings (by each partner institution)	30 nov				
14	Identifying metadata structure used by each partner institution (as applicable)	30 nov				
	Course in Geonetwork (venue: Bogotá): Inform about the 2 candidates by 30 Nov		4th week January			

15	Identify interoperability issues – recommend/discuss unified metadata structure		15 Feb		
16	Regional meeting to adopt unified metadata structure + parameters standards Venue: Lima. 2 people/country: 1PFNT+1Expert (trained in the courses)		1 st week March		
17	Agree on unified metadata structure (profile) – compliant with international standards + parameters standards		1 st week March (MM)		
18	Populate national metadata base				
19	Select suitable data sets for processing + geographic scope and scale (areas should be comparable between countries)		1 st week March (MM)		
20	Establish ODP national data provider nodes				
21	Prepare national e-repository ODINCARSA/IODE MIM coordinators. By 30NOV report about Information Managers			30 April	
22	Process data sets and archive : input required from IODE on formats, best practices and standards (examples)				
	Atlas Course (en GUAYAQUIL CPPS)			1week April	
23	Prepare shapefiles “pilot” (test with 1/2 indicators) (Panamá flexible)*			May 1/2 indicator	
24	Agree on mapping technology			Atlas course	
25	Prepare national prototype atlas				
26	Identify regional Atlas host {CPPS Secretariat; mirror hosted by IOC/IODE}				
27	Regional meeting on prototype atlases/ e-repositories (venue: tbd)				July- August
28	Test metadatabase interoperability (harvesting technology)				
29	Startup regional e-repository				
30	Startup regional Atlas service/ data portal				
31	Regional meeting: assessment of results/ future plans (sustainability)				
	Workplan WP3 - Oct10	Q4 - 2010	Q1 - 2011	Q2 - 2011	Q3 - 2011 Q4 - 2011
	Preparatory activities				
	National workshop to identify the reference framework				
	Preparatory activities				

National workshop to identify indicators					
Development of indicators methodology and formats	30NOV				
Calculation of indicator values					
Workshop on fact sheets and SoC with policy makers					
Production of fact sheets and the SoC					
Technical and political conference					
Development of public awareness materials on ICAM					
Workshop to local actors					
Workplan WP4 –oct10	Q4 - 2010	Q1 - 2011	Q2 - 2011	Q3 - 2011	Q4 - 2011
Regional Workshop on Regional Indicators					
Development of the regional website					
IOC Handbook translated and disseminated					
Feedback to each Regional Indicator responsible	15D				
Regional Indicator factsheet defined		30J			
Partnership with other networks					
Outreach products developed					
End of Project - Regional Conference					

ANNEX 8

SPINCAM UPDATED BUDGET

WORKPACKAGE 1 - Budget

Activities	Responsible entity	IMPLEMENTED BUDGET (2008-Oct. 2010)	REMAINING BUDGET (Nov.10- Dec. 2011)
1. First meeting of the Steering Committee (June 2008, Guayaquil, Ecuador)	CPPS/IOC	21,870	
2. Second meeting of the Steering Committee (October 2009, Perú)	CPPS/IOC	11,000	
3. Third meeting of the Steering Committee (November 2010), Colombia	CPPS/IOC		25,000 (CPPS) 16, 668
4. Consultation/ Coordination Secretariat	IOC	25,000	15,000
5. Coordination-travels	IOC, CPPS	30,000	3,800 (CPPS) 6,200
6. Technical Assistance to national team	IOC/IODE	30 000	
7. Miscellaneous (communication)	IOC, CPPS	1075	5300 (CPPS) 2025
TOTAL USD		118945	73,993
		192,938	

WORKPACKAGE 2 - Budget

Status	Task	RESPONSIBLE ENTITY	BUDGET 2008-Oct 2010	REMAINING BUDGET (Nov.10- Dec. 2011)
1	Identify 5 regional indicators and national indicators	WS		
2	Identify related parameters	WS		
3	Identify national partners/ data providers/ info managers	NC		
4	Ensure buy-in of national partners	NC/ High level officials		
5	Identify users and required user products	NC/ Dirs instits		
6	Identify SPINCAM institutional coordinator and technical focal points (DM, IM) for each national partner	Dir Instits		
7	Assess national/institutional capacity building needs + training plan <ul style="list-style-type: none"> - GIS Training Course Ostend (May 2010) - Data Management Training Course (Sept. 2010) - GEONetwork Training Course, January 2011, Colombia - Atlas Development Regional Course (March-April 2011) Guayaquil 	NC/ Dirs instits IODE/ODINCARSA	2,515 (IOC) 33,134 (IOC)	18,351 (IOC) IODE supported (to be confirmed)
8	Prepare national directory of institutions and experts	Tech FP IM		
9	Meetings of national SPINCAM coordinating body (data management/info man)	NC	5000 (CPPS)	
10	Agree on national WP2 work plan	Natl coord body		
11	Identify national SPINCAM data architecture (model 1,2,3) used by countries	National coord body		
12	Identify national SPINCAM data centre	National coord body	5000 (CPPS)	

13	Prepare top-level catalogue of data holdings (by each partner institution)	Tech FPs	5000 (CPPS)	
14	Identifying metadata structure used by each partner institution (as applicable)	Tech FPs	5000 (CPPS)	
15	Identify interoperability issues – recommend/discuss unified metadata structure	Tech FPs/team IODE		
16	Regional meeting to adopt unified metadata structure + parameters standards (May-June 2010)	National technical contacts for WP2 IODE/ODINCARSA CPPS		15000 (CPPS)
17	Agree on unified metadata structure (profile) – compliant with international standards + parameters standards----INPUT REQUIRED FROM IOC/IODE-----Note: ODINCARSA: ensure the IODE experts in the countries are involved as they are also ODINCARSA partners	tech team IODE		5000 (IOC)
18	Populate national metadata base	NFP/Tech FP		5,000 (IOC)
19	Select suitable data sets for processing + geographic scope and scale (areas should be comparable between countries)	Tech FP DM		5,230 (IOC)
20	Establish ODP national data provider nodes	Tech FP		15,000 (IOC)
21	Prepare national e-repository----ODINCARSA/IODE MIM coordinators	Tech FP IM		5,000 (IOC)
22	Process data sets and archive : input required from IODE on formats, best practices and standards (examples)	Data managers	7,500 (CPPS)	
23	Prepare shapefiles	Tech FP DM		2,500 (IOC)
24	Agree on mapping technology	National coord body + Tech FPs		
25	Prepare national prototype atlas	Tech FPs		30,000 (IOC)
26	Identify regional Atlas host (CPPS Secretariat; mirror hosted by IOC/IODE)	Steering Committee		5000 (CPPS)
27	Startup regional e-repository	Tech FPs/ Regl centre		5000 (IOC)
28	Test metadatabase interoperability (harvesting technology)	Tech FPs/ Regl centre		

29	Regional meeting on prototype atlases/ e-repositories	Tech FPs/ Regl centre		17,500 (CPPS)
30	Startup regional Atlas service/ data portal	Tech FPs/ Regl centre		14,000 (IOC)
31	Regional meeting: assessment of results/ future plans (sustainability)	All		17,500 (CPPS)
TOTAL USD			63,149	160,081
			223,230	

WP 2 (2011) : IOC/UNESCO will contract funds for WP activities 17 to 25, 27, and 30 through National SPINCAM agencies (to be confirmed by SPINCAM NFP)

WORKPACKAGE 3 - Budget

Activities	BUDGET 2008-Oct 2010	REMAINING BUDGET (Nov.10- Dec. 2011)
1. Generate a reference methodological framework to evaluate the effectiveness of ICZM at national level		
- National workshop to define reference framework and to evaluate the proposed indicators	20000 (CPPS)	
- Inventory of data (now WP2)	0	
- National workshop to validate the indicators	15000 (CPPS)	
2. Development of common methodology and formats among the participating countries to calculate indicators		
- Definition of hte methodology and formats for the calculation of indicators	10,000 (CPPS)	
3. Calculation of indicator values		

- Calculation of indicator values	10000 (CPPS)	
4. Communicate the indicators' results to a wide public (not only specialists)		
- Technical Workshop to define the sheets and the Report of the State of the Coast together with the policymakers		15000 (CPPS)
- Production of the sheets and the Report of the SoC		45000 (CPPS)
- Technical and Political Conference		20000 (CPPS)
5. Design, produce and promote educative and diffusion material for population's qualification		
- Development of public awareness materials on subjects related to ICAM		30000 (CPPS)
- Workshops to local actors		17500 (CPPS)
TOTAL USD	55,000	127,500
	182,500	

WP 3 (2011): CPPS will contract funds for WP3 through National SPINCAM Agencies.

WORKPACKAGE 4 - Budget

Item	Entity responsible	BUDGET 2008-Oct 2010	REMAINING BUDGET (Nov.10- Dec. 2011)
1. Identification of common regional indicators			
- 1st Regional technical workshop (evaluation of the original set of indicators at regional level based on the national inventories), Venue : Perú	CPPS/IOC	20 000 (CPPS)	
- 2nd Regional technical workshop to finalize regional indicators (Aggregation of indicator values of the common set of indicators) Venue : To be identified	CPPS/IOC	0	
2. Dissemination /communication			
- Development and maintenance of a regional website	CPPS	5617 (IOC)	8,359
- Regional stocktaking exercise to identify ICAM information and resources to be made available in digital form/ digital depository	CPPS/IOC	0	
- Translation of IOC ICAM Handbook in Spanish	IOC	9356	
- Regional Symposium (End of Project)	IOC, CPPS		40 000 (CPPS)
- Outreach materials (brochure, posters, CDs, etc)	IOC, CPPS	6000 (CPPS)	8400 (CPPS) 3600 (IOC)
TOTALS USD		40,973	60, 359
		101,332	

OVERALL BUDGET

	BUDGET 2008-Oct 2010	REMAINING BUDGET (Nov.10- Dec. 2011)	TOTAL
WP1	118,945	73,993	192,938
WP2	63,149	160,081	223,230
WP3	55,000	127,500	182,500
WP4	40,973	60,359	101,332
TOTAL	278,067	421,933	700,000