



Canada

International Centre for Ocean Development Centre international d'exploitation des océans

September 1989

ANNOUNCING A NEW TOOL FOR DELIMITING MARITIME BOUNDARIES

The International Centre for Ocean Development (ICOD) is pleased to announce the availability of DELMAR™ 1.0, a computer program library for the delimitation of maritime boundaries. ICOD is a Canadian Crown Corporation established in 1985 to initiate, encourage, and support cooperation between Canada and developing countries in the field of ocean resource development.

What is DELMAR?

DELMAR is a portable information tool for use in defining maritime boundaries. Its structure allows the user to select from a number of options that provide valuable technical information relevant to the preparation, actual negotiation, and verification of international boundary agreements. DELMAR may also be useful for investigating the technical nature of existing agreements.

Who can use it?

DELMAR is designed for use by those familiar with IBM personal computers or close compatibles and with Microsoft's Disk Operating System (DOS). The product will likely be best put to use by those familiar with the documents and concepts of the 1958 Geneva Convention and the 1982 United Nations Convention on the Law of the Sea. A clear understanding of geodetic concepts and terms such as a geodetic reference ellipsoid and its coordinates, datum transformation parameters, and geodesic lines is required. Previous exposure to the legal and technical nature of existing boundary agreements is required to make full use of the capabilities of DELMAR.

What can it do?

Key features of the program library include an on-line tutorial and a collection of modules to compute maritime areas, determine offshore limits, delimit equidistant boundaries, and delimit boundaries that include points to which "partial effects" have been assigned. Included as well are a suite of utility programs for the solution of peripheral tasks relevant to a boundary delimitation, a full-screen text editor for editing and viewing data files, and a suite of graphics programs for the display of geographic data.

What do you need to use it?

The hardware and software requirements for DELMAR are: an IBM or IBM-compatible XT or AT personal computer; the Disk Operating System (DOS) Version 3.1 or higher; a minimum of 512 K of RAM; a standard (360 K) or high-capacity (1.2 M) 5 1/4-inch diskette drive, or a standard (720 K) or high-capacity (1.44 M) 3 1/2-inch diskette drive; a hard disk drive; a Numeric Data Processor (NDP) Intel 80X87; and a Monochrome Display Adapter and a monochrome monitor. A graphics display adapter, such as Hercules, CGA, EGA, or VGA, is not necessary, but one is required if the graphics capabilities of this library are to be exploited fully.

What will you receive when you order it?

Each DELMAR package contains a Customer License Agreement, the program library in both 5 1/4-inch and 3 1/2-inch diskette formats, and a documentation manual. Both the program diskettes and documentation manual are available in English, French, or Spanish versions.

How much does DELMAR cost?

- (1) Copies of DELMAR are available from the International Centre for Ocean Development for \$800 Canadian (Ontario residents add 8% provincial sales tax).
- (2) A limited number of free copies of DELMAR will be made available by ICOD to support ICOD-funded projects. Requests for these copies must originate from the agency or organization that is implementing the ICOD-funded project. Note that recipients of ICOD scholarships are normally not eligible for free copies.
- (3) A limited number of free copies of DELMAR may also be made available in support of preparations for boundary delimitation negotiations to be undertaken by the eligible island and coastal countries within ICOD's four geographical areas of concentration: the Caribbean Basin, the South Pacific, the South and West Indian Ocean, and West Africa. Requests for these copies must originate from governmental or regional intergovernmental organizations within the eligible regions and countries.

How can you obtain copies of DELMAR?

- (1) To obtain copies of DELMAR promptly, please complete box 1 of the attached form and mail it to the address indicated, along with your cheque or money order in Canadian funds.
- (2) If you are eligible to receive free copies of DELMAR, please complete box 1 and box 2 of the attached form and mail the form to the address indicated. Your request will be evaluated by the International Centre for Ocean Development and you will be promptly notified of whether or not your request has been approved.
- (3) Your copy of DELMAR will be shipped to you by first-class mail whenever possible. If you would prefer to receive your copy through another means of delivery, please indicate the particulars in box 3 of the attached form. Note that you may be billed for any shipping costs that exceed the cost of first-class mail.

Where can you obtain further information?

To obtain further information about DELMAR or the International Centre for Ocean Development, please contact:

The President
International Centre for Ocean Development
5670 Spring Garden Road, 9th Floor
Halifax, Nova Scotia
Canada B3J 1H6

Telephone: (902) 426-1512
Telex: 019-21670 ICODHFX
Fax: (902) 426-4464



Canada

International Centre for Ocean Development Centre international d'exploitation des océans

ORDER FORM FOR DELMAR^{TM*} 1.0

(please print)

Box 1:	Please complete for all orders		
Name of individual:			
Organization:		Mailing Address:	
Telephone:	Telex:	Fax:	
DELMAR is available in three versions, at a cost of \$800 for each version. I want to order DELMAR in the following version:			
<input type="checkbox"/>	English	_____ copies	<input type="checkbox"/>
<input type="checkbox"/>	French	_____ copies	<input type="checkbox"/>
<input type="checkbox"/>	Spanish	_____ copies	
Enclosed is \$ _____ Canadian to receive # _____ copies of DELMAR. (Ontario residents add 8% provincial sales tax.)			

Box 2:	Please complete if you qualify for a free copy of DELMAR		
Upon approval by ICOD, a free copy of DELMAR will be provided for use as noted below. (Note: Recipients of ICOD scholarships are normally not eligible for free copies.)			
<input type="checkbox"/>	DELMAR will be used to support an ICOD-funded project. Title of ICOD-funded project is		
<input type="checkbox"/>	DELMAR will be used to prepare for maritime boundary negotiations within one of ICOD's four geographic areas of concentration. Brief description of maritime boundary negotiation for which DELMAR will be used:		

Box 3:	Please complete if you prefer to have DELMAR shipped to you by means other than first-class mail.		
Please ship my DELMAR package to me via the method described below. I understand that I may be billed for any costs above the cost of first-class mail.			

Mail your order form, together with your cheque or money order payable in Canadian funds, to:

Administrator,
International Centre for Ocean Development,
255 Argyle Avenue, Suite 100,
Ottawa, Ontario
Canada K2P 1B8

* "DELMAR" is a trademark of the International Centre for Ocean Development.



International Centre for Ocean Development Centre international d'exploitation des océans

Septembre 1989

UN NOUVEL OUTIL POUR LA DELIMITATION DES FRONTIERES MARITIMES

Le Centre international d'exploitation des océans (CIEO) est heureux d'annoncer que DELMAR (MD) 1.0, logiciel servant à la délimitation des frontières maritimes, est enfin disponible. Le CIEO est une société d'état canadienne établie en 1985 afin d'initier, d'encourager et de soutenir la coopération entre le Canada et les pays en voie de développement dans le domaine de l'exploitation des ressources océaniques.

Qu'est-ce que DELMAR?

DELMAR est un outil d'information transportable qui sert à définir des frontières maritimes. Sa structure permet à l'utilisateur de faire un choix parmi un ensemble d'options fournissant des informations précises portant sur la préparation et les négociations des accords sur la détermination des frontières internationales ainsi que leur vérification. DELMAR permet aussi d'examiner la nature technique des accords existant actuellement.

Qui peut l'utiliser?

DELMAR est conçu à l'intention d'utilisateurs familiarisés avec des ordinateurs personnels de type IBM ou compatible-IBM et avec le système d'exploitation à disques (DOS) de Microsoft. Le produit sera probablement utilisé avec le plus grand succès par ceux qui connaissent bien les documents et les concepts de Conventions de Genève de 1958 et de la Convention des Nations-Unies sur le droit de la mer de 1982 (UNCLOS III). Une bonne connaissance des concepts et des termes géodésiques, tels que l'ellipsoïde de référence et ses coordonnées, la transformation de systèmes de référence géodésiques et les lignes géodésiques est requise. Les utilisateurs ayant déjà été exposés aux aspects légaux et techniques des ententes actuelles sur les frontières maritimes exploiteront au maximum le potentiel de DELMAR.

Qu'est-ce que DELMAR peut faire?

Parmi les caractéristiques fondamentales du logiciel DELMAR on peut citer une leçon en ligne et un groupe de modules servant au calcul des superficies maritimes, à la détermination des frontières maritimes, à la délimitation des frontières équidistantes et à la délimitation des frontières maritimes sur lesquelles sont situées des sommets de cheminement auxquels est attribué un "effet partiel". On peut y inclure un ensemble de programmes utilitaires permettant d'effectuer des tâches secondaires reliées à la délimitation des frontières maritimes, un éditeur de texte "plein écran" pour éditer et afficher les fichiers de données et un ensemble de programmes graphiques pour l'affichage des données géographiques.

Que vous faut-il pour utiliser ce logiciel?

La liste du matériel et des logiciels requis comprend: un ordinateur personnel IBM XT, IBM AT, ou n'importe quel compatible-IBM, une version 3.1 ou ultérieure du système d'exploitation à disques (DOS), une mémoire vive de 510 Ko minimum, une unité à disques souple à double (360Ko) ou à haute (1.2 Mo) densité pour des disquettes de 5 1/4 pouces ou une unité à disques souples à double (720 Ko) ou à haute densité (1.44 Mo) pour des disquettes de 3 1/2 pouces, une unité à disque dur, un co-processeur numérique (NDP) de type Intel 80X87 et une carte d'affichage monochrome (MDA) ainsi qu'un moniteur monochrome. Une carte graphique telle que Hercules, CGA, EGA ou VGA n'est pas indispensable mais serait utile pour exploiter complètement les capacités graphiques du logiciel.

Que recevrez-vous en commandant DELMAR?

Chaque progiciel de DELMAR se compose du permis d'utilisation, des programmes enregistrés sur des disquettes de 5 1/4 pouces et de 3 1/2 pouces et d'un manuel de référence. Les disquettes contenant les programmes ainsi que le manuel de référence sont disponibles en anglais, en français et en espagnol.

Combien coûte DELMAR?

- (1) Des exemplaires de DELMAR sont disponibles au Centre international d'exploitation des océans pour la somme de 800 \$ canadiens (les résidents de l'Ontario doivent y ajouter 8% pour la taxe de vente provinciale).
- (2) Un nombre limité d'exemplaires gratuits de DELMAR sera disponible du CIEO pour des projets parrainés par le CIEO. Les demandes pour ces exemplaires doivent provenir de l'agence ou de l'organisme qui exécute le projet parrainé par le CIEO.
- (3) Un nombre limité d'exemplaires gratuits de DELMAR pourra aussi être obtenu pour effectuer des négociations sur la délimitation de frontières maritimes par les pays insulaires et côtiers éligibles se trouvant dans les quatre régions d'action du CIEO: le bassin des Antilles, le Pacifique Sud, le Sud et l'Ouest de l'Océan Indien et l'Afrique occidentale. Les demandes pour ces exemplaires-ci doivent provenir des organismes gouvernementaux ou des organismes intergouvernementaux régionaux au sein des régions et des pays éligibles.

Comment obtenir des exemplaires de DELMAR?

- (1) Pour obtenir rapidement des exemplaires de DELMAR, veuillez remplir la case 1 du formulaire ci-inclus et postez-le à l'adresse indiquée accompagné de votre chèque ou mandat postal en dollars canadiens.
- (2) Si vous êtes éligible pour obtenir des exemplaires gratuits de DELMAR, veuillez remplir la case 1 et la case 2 du formulaire ci-inclus et postez-le à l'adresse indiquée. Votre demande sera évaluée par le Centre international d'exploitation des océans et vous en serez rapidement informé(e).
- (3) Dans la mesure du possible, votre exemplaire de DELMAR vous sera expédié par courrier de première classe. Si vous préférez recevoir votre exemplaire par un autre moyen de livraison, veuillez en indiquer les détails dans la case 3 du formulaire ci-inclus. Notez que les frais de livraison dépassant le coût du courrier de première classe seront à votre charge.

Comment obtenir de plus amples renseignements?

Pour obtenir de plus amples renseignements au sujet de DELMAR ou du Centre international d'exploitation des océans, veuillez contacter:

Le Président
Centre international d'exploitation des océans
5670, chemin Spring Garden, 9ième étage
Halifax (Nouvelle-Écosse)
Canada B3J 1H6

Téléphone: (902) 426-1512
Télex: 019-21670 ICODHFX
Fax: (902) 426-4464



Canada

International Centre for Ocean Development Centre international d'exploitation des océans

FORMULAIRE DE COMMANDE POUR DELMAR (MD)* 1.0

(veuillez imprimer)

Case 1: Veuillez remplir pour toutes les commandes.		
Nom de l'individu:		
Organisme:	Adresse postale:	
Téléphone:	Téléx:	Fax:
DELMAR existe en trois versions coûtant chacune 800\$ canadiens. Je veux commander DELMAR dans la version suivante:		
<input type="checkbox"/> anglais	_____ exemplaires	<input type="checkbox"/> français
<input type="checkbox"/> français	_____ exemplaires	<input type="checkbox"/> espagnol
<input type="checkbox"/> espagnol	_____ exemplaires	
Ci-inclus _____ \$ canadiens pour recevoir # _____ exemplaires de DELMAR. (les résidents de l'Ontario doivent y ajouter 8% pour la taxe de vente provinciale.)		

Case 2: Veuillez remplir si vous avez droit à un exemplaire gratuit de DELMAR.	
Je voudrais obtenir un exemplaire gratuit de DELMAR parce que:	
<input type="checkbox"/>	DELMAR sera utilisé pour réaliser un projet parrainé par le CIEO. Titre du projet parrainé par le CIEO:
<input type="checkbox"/>	DELMAR sera utilisé dans la préparation des négociations sur les frontières maritimes dans une des quatre régions d'action du CIEO. Exposé sommaire de la négociation de frontières maritimes pour laquelle DELMAR sera utilisé:

Case 3: Veuillez remplir si vous préférez avoir DELMAR expédié par une méthode autre que le courrier de première classe.	
Veuillez expédier mon progiciel DELMAR par la méthode décrite ci-dessous. Je comprends que les frais dépassant ceux du courrier de première classe seront à ma charge.	

Postez votre formulaire de commande, accompagné de votre chèque ou votre mandat postal payable en dollars canadiens, à:

L'Administrateur
Centre international d'exploitation des océans
255 avenue Argyle, Suite 100
Ottawa (Ontario)
Canada K2P 1B8

* "DELMAR" est une marque déposée du Centre international d'exploitation des océans.



PRESS RELEASE

For Immediate Release: Tuesday, December 20, 1988

ICOD APPOINTS VICE-PRESIDENT

On behalf of the Board of Directors, Chairman Elisabeth Mann Borgese announced today that Mr. Garry A. Comber has been appointed to fill the newly created role of Vice President of the International Centre for Ocean Development (ICOD), effective December 1, 1988.

"The Vice-President will be ICOD's Chief Operating Officer and will also fill the roles of Secretary to the Board and Treasurer of the Corporation," explained Mrs. Borgese.

Mr. Comber holds a Master of Arts degree in Latin American studies from the University of London and is also a graduate of Sir George Williams (now Concordia) University in Montreal. He and his wife, Mary Anne, live in Halifax with their two children.

Mr. Comber joined ICOD in January 1986 from the Canadian International Development Agency. His experience with CIDA dates from 1972 and includes a broad range of assignments. Most recently, he was Director of CIDA's Contracts Division and served earlier as the Director of Systems and Operations and Bilateral Project Management Co-ordinator. From 1974 to 1981, he managed several aid projects in CIDA's Bangladesh and Guyana programs. This included two years as CIDA's representative in Guyana.

Upon joining ICOD, Mr. Comber was appointed an Officer of the Corporation in the dual capacity of Secretary to the Board and Treasurer. He subsequently played a central role in ICOD's growth into a viable organization during its initial years.

"Since 1985, we have initiated over 150 projects for the benefit of developing nations in the Caribbean, South Pacific, South and West Indian Ocean, and West Africa," said Mr. Comber. "ICOD is now entering a new period of growth during which current programs will be expanded, new programs will be developed, and other initiatives, such as regional ICOD offices, will be implemented. We also recently began to manage major ocean development projects on behalf of other donor organizations."

"I look forward to the challenge of managing our growth," added Mr. Comber, "while maintaining ICOD's responsiveness to the needs of developing countries for effective ocean development."

The International Centre for Ocean Development is a Canadian Crown Corporation established in 1985 to initiate, encourage, and support co-operation between Canada and developing countries in the field of ocean resource development. For further information, please contact:

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International Centre for Ocean Development
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Halifax, Nova Scotia
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For immediate release:

Twelve Nation Workshop Indicates Growing Importance of Offshore Minerals.

Offshore mineral resources present the island nations of the South Pacific with a potential source of new wealth.

To consider the issues and opportunities related to the development of these resources, representatives from 12 countries in the South Pacific region will attend a training workshop in SavuSavu, Vanua Levu, Fiji, from September 29 to October 11, 1988. The workshop will be hosted and organized by the Coordinating Committee for Offshore Prospecting in the South Pacific (CCOP/SOPAC) and sponsored by Canada's International Centre for Ocean Development (ICOD).

The regional workshop will address the need to create the policy and management systems to deal with both domestic exploration and mining in shallow water, as well as foreign activity in the deep seabed. The focus will be on nonfuel mineral resources in the nearshore, with particular attention given to precious coral, gold, phosphate, and aggregates used in construction.

The workshop is designed for decision-makers and scientists from the CCOP/SOPAC member nations which include Australia, the Cook Islands, Fiji, Guam, Kiribati, New Zealand, Papua New Guinea, Solomon Islands, Tonga, Tuvalu, Vanuatu, and Western Samoa.

CCOP/SOPAC representatives will join with international consultants to consider resource assessment techniques and the formulation of policy and planning related to coastal mining and environmental impact. The workshop will conclude with a review of the CCOP/SOPAC's existing 5-year plan for nearshore mineral prospecting.

The SavuSavu program is a follow-up to an ICOD-sponsored training course on offshore mineral assessment and planning held in Halifax, Canada in March, 1987. ICOD is a Canadian Crown Corporation created in 1985 to assist developing coastal and island nations in developing and managing their marine resources.

Following the Halifax program, CCOP/SOPAC's Technical Secretariat requested that ICOD provide the assistance for a further offshore mineral resource training course to be set in the South Pacific. SOPAC countries agreed that a regional program recognizing national interests would be of great benefit to member countries.

ICOD responded with the necessary funding for the workshop, as well as full sponsorship for 20 participants. The assistance complements two current programs in the South Pacific related to the identification and management of nearshore mineral resources.

ICOD support for regional projects in nearshore mineral exploration, training activities, and information services was commended by Jioji Kotobalavu, director of the CCOP/SOPAC Technical Secretariat. "ICOD assistance is helping South Pacific nations move towards a more systematic approach to marine resource management. This will result in greater control over regional and foreign mining activity and the maximization of economic benefits in the long term."

The Training Sector of CCOP/SOPAC will be responsible for workshop organization, administration, and logistical arrangements. In addition to ICOD sponsorship, support in the form of technical resource personnel and consultants will be provided by the United Nations Development Program, the United States Geological Survey, the Canadian Department of Energy, Mines and Resources, and Placer Pacific, a mining company operating in Fiji.

CCOP/SOPAC's R. Howorth and J. Harper will act as course coordinators and contribute to the lecture program. Harper is a Canadian geologist sponsored by ICOD to provide technical assistance to CCOP/SOPAC.

A key workshop advisor and lecturer will be Peter B. Hale of the Canadian Department of Energy, Mines and Resources. Hale designed the initial Halifax course and will provide a global overview of offshore mining, dredging technology, markets, and mining legislation.

Commenting on the training workshop, ICOD President Gary Vernon described it as a format in which the countries of the South Pacific could share in offshore mining technology and management techniques. "The systematic development of the ocean's mineral resources begins with an investment in human resources. This workshop will assist the South Pacific decision-makers in applying appropriate technology, systems, and policy to their region."

For more information contact:



International Centre for Ocean Development
Centre international d'exploitation des océans

NEWS RELEASE

For immediate release: November 29, 1988

HALIFAX CENTRE SPONSORS THINK TANK ON GLOBAL OCEAN ISSUES

Canada is an acknowledged leader in ocean affairs and Halifax is home to the world's only organization established in 1985 to help developing countries to manage their ocean resources. It is fitting then that the first Forum on Ocean Development will be held in Halifax this week.

The purpose is to unite about 125 leading figures in ocean-related endeavours for a think tank session. The Forum will address issues that affect fisheries, technology transfer, offshore resource development, and ocean pollution. This time, the particular focus is the contribution that the oceans and ocean development can make to wealth and welfare.

Dr. Elisabeth Mann Borgese initiated the one-day think tank in her capacity as Chairman of the Halifax-based International Centre for Ocean Development (ICOD), which is sponsoring the event. She is internationally known for her contributions to the Law of the Sea and was recently inducted into the Order of Canada. Dr. Borgese teaches International Ocean Affairs at Dalhousie University, is a longstanding and only women member of the Club of Rome, and chairs the Planning Council of the Malta-based International Ocean Institute.

The principal speaker at the Forum will be Dr. Orio Giarini, an innovative economist, thinker, and lecturer, who is Secretary General of the Geneva Association for insurance economics research in Switzerland. Active in both Europe and North America, Dr. Giarini is also a long time member of the Club of Rome and author of nearly 200 articles, books, and published lectures.

Both Borgese and Giarini are trendsetters in focussing attention on ocean issues. They believe strongly that the oceans are central to preserving life on the planet and the single greatest remaining source of untapped wealth and sustenance, particularly for developing nations.



Key representatives from developing coastal nations will also play an active role at the Forum. These include Dr. Vaughan Lewis and Mr. Phillip Muller, members of ICOD's Board of Directors that represent the Eastern Caribbean and South Pacific regions respectively.

"The options and perspectives generated at the December 2nd gathering will contribute to a new international understanding of the oceans as 'the common heritage of mankind'," comments Dr. Giarini. "With this understanding, developed nations like Canada will share their ocean management expertise with developing nations. A world ocean management community will evolve. Their common concern and vision will ensure that the oceans endure as a source of potential wealth and food security."

The first ICOD Forum on Ocean Development is being held at the World Trade and Convention Centre, Mariner Suite, from 1:30 p.m. to 5:00 p.m. on Friday, December 2nd, 1988.

Elisabeth Mann Borgese, Orio Giarini, and Phillip Muller are available for interviews December 2nd or 3rd. For arrangements and further information call:

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Program Officer
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5670 Spring Garden Road, 9th floor
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Tel: (902) 426-9778



Mary Zamparo

Director
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News Release Communiqué

Canada

NR-HQ-86-70

FOR IMMEDIATE RELEASE

September 17, 1986

MINISTER SUPPORTS CREATION OF TASK FORCE ON OCEANS

SIDNEY, B.C. - The development of a new oceans policy and the formation of a private sector task force to assist in the development of such a policy were endorsed Tuesday by Tom Siddon, Minister of Fisheries and Oceans, at the conclusion of a two-day Oceans Forum.

The forum was held at the Institute of Ocean Sciences on September 15 and 16. Participants represented oceanic manufacturing and service companies, offshore energy, fisheries, shipping and maritime industries as well as universities, government and other institutions involved in ocean affairs.

The forum recommended that a new national oceans policy be developed to guide Canada in realizing maximum benefit from the oceans economy.

The private oceans sector has asked government to facilitate the creation of an industry-university-government council on oceans issues that will be an umbrella group representing all oceans sector interests.

Mr. Siddon accepted the spirit of the recommendation and said: "Terms of reference for a task force on oceans will be developed in the near future as a possible first step towards a National Oceans Council."

Other recommendations made by forum participants covered a wide range of issues related to the development of Canada's oceans. In particular, it was recommended that Canada pursue aggressively the establishment of an Exclusive Economic Zone to capture all possible economic opportunities arising from the Law of the Sea.

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Addressing the concluding session of the forum, Mr. Siddon said:
"I'd like to see this event remembered as a milestone -- the occasion on
which we began to act on the challenges and opportunities of the oceans,
our great Canadian frontier. I think we've made a good start."

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Fisheries
and Oceans

Pêches
et Océans

News Release Communiqué

C-AC-86-70F

À COMMUNIQUER IMMÉDIATEMENT
le mercredi 17 septembre 1986

LE MINISTRE APPUIE LA CRÉATION D'UN GROUPE D'ÉTUDE SUR LES OCÉANS

(SIDNEY, C.-B.) - L'élaboration d'une nouvelle politique sur les océans et la formation d'un groupe d'étude du secteur privé pour aider à la formulation d'une telle politique ont été appuyés mardi par le ministre des Pêches et des Océans, l'honorable Tom Siddon, à l'issue d'une Tribune de deux jours sur les océans.

Cette Tribune s'est déroulée à l'Institut des sciences de la mer les 15 et 16 septembre. Des représentants des industries de l'océan, des entreprises de service commun, de l'énergie offshore, des pêches, des transports maritimes et d'autres industries de la mer, tout comme des universités, des gouvernements et d'autres institutions du domaine des océans, y ont participé.

La Tribune a recommandé qu'une nouvelle politique nationale des océans soit élaborée afin d'amener le Canada à réaliser un maximum d'avantages océano-économiques.

Le secteur privé des océans a demandé au gouvernement de faciliter la création d'un Conseil industrie-université-gouvernement sur les questions pertinentes au domaine des océans qui chapeauterait tous les intérêts représentatifs du secteur des océans.

M. Siddon a accepté l'esprit de cette recommandation et il a déclaré: "Le mandat d'un groupe d'étude sur les océans sera élaboré très prochainement, en tant que première étape éventuelle à l'établissement d'un Conseil national des océans".

D'autres recommandations faites par les participants à la Tribune ont porté sur un vaste champ d'activités pertinentes au développement des océans du Canada. En particulier, on a recommandé

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que le Canada poursuive énergiquement l'établissement d'une zone économique exclusive afin de retenir tous les avantages économiques possibles découlant du droit de la mer.

M. Siddon, en prenant la parole à la séance de clôture de la Tribune, a affirmé: "J'aimerais que cette Tribune soit considérée comme un événement important de l'histoire, une occasion où nous avons commencé à relever les défis et à comprendre les perspectives que nous offrent les océans, qui sont les vastes horizons du Canada. À vrai dire, je pense qu'il s'agit d'un bon départ."

POUR RENSEIGNEMENTS:

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Communique News Release



88-63

For Immediate Release

August 12, 1988

CANADA CONTRIBUTES \$10 MILLION TO SOUTH PACIFIC OCEAN DEVELOPMENT

HONIARA, SOLOMON ISLANDS -- His Excellency R. Allen Kilpatrick, Canadian High Commissioner to the Solomon Islands, today signed the Memorandum of Arrangement for a five-year CAN \$10 million ocean development project in the South Pacific with Philipp Muller, Director of the South Pacific Forum Fisheries Agency.

Mr. Kilpatrick signed the Memorandum for the Canada-South Pacific Ocean Development Project on behalf of Monique Landry, Minister for External Relations and International Development.

The Project will help promote regional development by strengthening support for the regional institutions engaged in ocean resource development and management in the area.

The \$10 million contribution will come from the Canadian International Development Agency (CIDA). The International Centre for Ocean Development (ICOD), a crown corporation based in Halifax, will manage the Project. ICOD will work closely with four regional partner institutions: the South Pacific Bureau for Economic Cooperation (SPEC), the Committee for the Coordination of Joint Prospecting for Mineral Resources in South Pacific Offshore Areas (CCOP/SOPAC), the South Pacific Forum Fisheries

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Agence canadienne de
développement international

L'honorable Monique Landry,
ministre

Canadian International
Development Agency

The Honourable Monique Landry,
Minister

Canada

Agency (FFA) and the University of the South Pacific (USP).

"The Canada-South Pacific Ocean Development Project is a particularly significant initiative for our country," Mr. Kilpatrick said. "The South Pacific is an area with legitimate developmental needs that Canada is particularly well equipped to meet."

Canada's new development assistance strategy, "Sharing Our Future", announced in March 1988, emphasizes strengthening the ability of people and institutions in developing countries to solve their own problems in harmony with the natural environment.

Many of the people of the Island nations of the Pacific are dependent on the sea for their livelihood, but per capita income is low and development difficult, mainly because the population is spread over a large area. The Canadian contribution will support projects in the inshore and offshore fisheries, offshore mineral exploration and management, marine transportation, marine policy, and the protection and preservation of the marine environment.

The FFA's participation in the Project will include work in inshore fisheries management methods, support for regional



- 3 -

consultative meetings and workshops, fisheries legal development and the role of women in inshore fisheries.

Canada has provided assistance to the South Pacific region since the early 1970s. In 1971, CIDA contributed \$750,000 for a research vessel and marine science equipment for a tropical fisheries training project, and in 1978-81, \$8 million for the construction of the Institute of Marine Resources. ICOD has committed \$4 million to over 30 ocean management projects since 1985, with a further \$6 million to be spent over the next five years. Canada has also supported development in the South Pacific by using funds from the Canadian High Commissions in Australia and New Zealand for a variety of grassroots projects, and through participation in international multilateral agencies such as the United Nations Development Program and the Commonwealth Fund For Technical Cooperation. Canadian non-governmental organisations, with CIDA backing, have been working in the area for many years. CUSO is the largest, with nearly 100 Canadian advisors in Papua New Guinea, Vanuatu and the Solomon Islands.

The Memorandum of Arrangement was signed today with the Forum Fisheries Agency. Later this month, Canada will also sign

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Agence canadienne de
développement international

L'honorable Monique Landry,
ministre

Canadian International
Development Agency

The Honourable Monique Landry,
Minister

Canada

the Memorandum with the other three agencies supported by the Project: the South Pacific Bureau for Economic Cooperation, the Committee for the Coordination of Joint Prospecting for Mineral Resources in South Pacific Offshore Areas and the University of the South Pacific.

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**International Centre for Ocean Development
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For Immediate Release: August 12/88

FFA and ICOD Sign Agreements Totalling \$800,000

New Information Access Will Make Life Easier for Fisheries Managers

What was the export price of tuna in 1985? Who were the major purchasers? What are the present quotas for the American fleets? What fish landings are projected for 1990?

Questions like these often confront South Pacific fisheries personnel in making management decisions. A new agreement, signed today between the South Pacific Forum Fisheries Agency (FFA) and Canada's International Centre for Ocean Development (ICOD) should make their job much easier.

The \$358,000 agreement will assist FFA to collect, synthesize and distribute information on fish marketing, legal matters, statistics, and industry intelligence. An information officer and librarian will staff the information centre in Honiara and carry out the Agency's role as a clearing house for information between member states and outside sources.

The August 12 FFA agreement complements those ICOD will sign with the University of the South Pacific (USP), the South Pacific Commission (SPC), and the Committee for the Coordination of Joint Prospecting in South Pacific Offshore Areas (CCOP/SOPAC). The four centres - one in Honiara, and Noumea, and two in Suva - will form focal points in a Pacific Islands Marine Resources Information System (PIMRIS)

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(2 of 2)

"ICOD assistance in establishing PIMRIS addresses a need for our fisheries managers to efficiently access the data on which management decisions can be based," said FFA Director Philipp Muller. "PIMRIS is a significant milestone in establishing the systematic management our of fisheries."

Additional FFA/ICOD agreements also signed today commit a further \$400,000 to extend a Fisheries Surveillance Program launched in 1985. The five-year \$1 million project is enhancing FFA member capability to monitor and control the access of foreign fishing fleets. ICOD will also support FFA in hosting a regional workshop on maritime boundary delimitation issues in Apia, Western Samoa in August 1988.

ICOD is a Canadian donor agency established in 1985 to assist developing nations build their own expertise in ocean resource management. Over the past three years, ICOD and FFA have cooperated on projects which include surveillance, observer training, enforcement, legal affairs and training fellowships. In all, ICOD will contribute \$10 million in technical assistance, training and information programs to the South Pacific over a five-year period.

ICOD will also act as an implementing agency for an additional \$10 million in South Pacific assistance on behalf of the Canadian International Development Agency. A joint CIDA/ICOD regional office will open in Suva by November to facilitate increasing contact with South Pacific agencies.

ICOD President Gary Vernon was present for the August 12 signing. He commented on the warm friendships that have developed between FFA and ICOD personnel over a three-year period. "The growing number of successful projects between our organizations demonstrates that a person-to-person approach is an effective and rewarding way to transfer ocean management skills."



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For Immediate Release: August 12/88

**South Pacific Agencies Receive \$1.8 Million
in New Ocean Development Assistance.**

Canada's International Centre for Ocean Development (ICOD) recently approved a series of new programs to assist the South Pacific island nations. The programs will provide technical and advisory support and training through regional institutions engaged in ocean resource development and management.

ICOD President Gary Vernon will be in the South Pacific capitals of Honiara, Noumea, and Suva from August 12 to 22 to sign agreements for \$1.8 million with four major agencies: the South Pacific Forum Fisheries Agency (FFA); the South Pacific Commission (SPC); the University of the South Pacific (USP); and the Committee for the Coordination of Joint Prospecting in South Pacific Offshore Areas (CCOP/SOPAC).

ICOD is a Canadian donor agency established in 1985 to assist developing countries in building their ocean management expertise. The organization will commit up to \$10 million in assistance over a five year period.

Approximately \$1 million in new assistance will be directed at programs related to the development of a Pacific Islands Marine Resources Information System (PIMRIS). The system will be coordinated by the Pacific Information Centre (PIC) at the University of the South Pacific (USP) to provide much needed technical information for researchers and decision-makers.

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(2 of 2)

PIMRIS-related assistance will strengthen the technical information services in Marine Geology and Non-Living Resources at CCOP/SOPAC and enhance the fisheries information handling capabilities at FFA. State of the art communications technology will link USP with FFA, CCOP/SOPAC and SPC in an on-line marine information network .

Further signings will provide additional assistance for the regional Fisheries Surveillance program already underway at FFA; the creation of a environmental education kit on coastal zone protection for the South Pacific Regional Environmental Program (SPREP); fisheries training videos on fish chilling for SPC; and a maritime boundary delimitation workshop for FFA.

To enhance the effectiveness of fisheries extension services, Fisheries Extension courses will be conducted in up to six Pacific Island countries. New scholarship assistance will allow for the selection of four students from the Republic of Palau to attend a three-year Tropical Fisheries Diploma program at USP.

In addition to these projects, ICOD will act as an implementing agency for the Canadian International Development Agency (CIDA). Over the next five years ICOD will administer \$10 million in CIDA funding for South Pacific agencies working in the ocean sector. These include the South Pacific Bureau for Economic Cooperation (SPEC), FFA, USP, and CCOP/SOPAC. SPREP and the Women's Bureau of the South Pacific Commission will also receive additional support under the CIDA/ICOD program. To facilitate growing contact with South Pacific agencies, ICOD will open a joint regional office with CIDA in Suva, Fiji, in the late fall of 1988.

Commenting on the signings, ICOD President Gary Vernon described them as steps in a systematic building process. "Each of the new agreements was suggested by South Pacific agencies as a result of the successful completion of past programs. We are now able to recognize real progress in the development of a cohesive, region-wide approach to ocean management capability. The long term result will be enhanced wealth from fisheries and offshore minerals."



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ICOD South Pacific Backgrounder

South Pacific Islanders and Canadians Share Ocean Expertise

Fishermen, scientists and managers from the South Pacific are developing a warm camaraderie with their counterparts from the cold Canadian north.

Robert Elias, of Papua New Guinea, for example, spent three months working in fisheries surveillance with Canada's Don Aldous at the South Pacific Forum Fisheries Agency (FFA) in Honiara; Elias also travelled to Vancouver on behalf of FFA to witness a demonstration of surveillance technology.

Three geologists from the Committee for the Coordination of Joint Prospecting for Mineral Resources in South Pacific Offshore Areas (CCOP/SOPAC) - Robin Moaina of Papua New Guinea, Tony Uganga of the Cook Islands, and Palanoafuka Kitekei Aho of Tonga - journeyed to Halifax to attend a training course on offshore mineral assessment and planning. Upon returning to the South Pacific, the three worked with CCOP/SOPAC Canadian advisor, Geologist John Harper, in setting up a similar workshop in Savu-Savu for representatives from 12 South Pacific countries.

Canadians and South Pacific Islanders like those mentioned are participating in an innovative approach to assistance pioneered by the International Centre for Ocean Development (ICOD). This newly-formed donor agency was established in 1985 to share Canadian ocean management expertise with developing countries. South Pacific island countries are taking advantage of ICOD's technical and financial assistance to find new solutions to food security and the need for technological advance.

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(2 of 4)

Hardly a day passes without some form of communication taking place between ICOD's Halifax office and the capitals of the South Pacific region. "ICOD gives us access to expertise and development assistance from a country that has a tradition of marine-related development," says FFA Director Philipp Muller. "Canada has no direct exploitive influence in the region. We can approach ICOD without any fear of competition."

Partners in Law of the Sea

The cooperative tradition between Canada and the South Pacific island nations evolved from common goals leading to the adoption of the United Nations Law of the Sea Convention in 1982. Canada and many less developed nations saw the need for a framework of law that would establish their offshore jurisdictions and protect them from exploitation by powerful foreign interests.

As a result of the Law of the Sea, developing nations were given expanded offshore jurisdictions to administer and protect. Many lacked the expertise and institutions to do so without assistance. Since 1985, ICOD has directed approximately \$4 million in technical assistance, training and information-related programs into the South Pacific; another \$6 million is committed over the next few years. Anyone familiar with large, capital intensive foreign aid projects will not be impressed by this figure; but looked at in terms of what has been accomplished, ICOD makes a strong case that small can also be effective.

Beyond the requirement for capital investment, South Pacific countries are finding a need for assistance involving the transfer of expertise. ICOD's sympathetic support for small, discrete programs has resulted in quick response to South Pacific requests. Fishermen and administrators often get hands on training from Canadian advisors working in the region. The aim is to train Islanders who in turn can train other Islanders.

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(3 of 4)

With ICOD assistance, a fellowship of ocean management specialists is emerging within the South Pacific, and in particular, within regional organizations like FFA, CCOP/SOPAC, and the South Pacific Commission(SPC). This "regional" group is accomplishing vital ocean management tasks which could not be staffed or financed by one nation alone.

The South Pacific has shown remarkable initiative in using ICOD assistance to mobilize ocean management expertise in critical areas. One example is in the surveillance of foreign fishing fleets that have traditionally exploited the rich tuna stocks in the waters surrounding the South Pacific island states.

With millions of square kilometres of ocean to license and patrol, the 16 island states of the region recognized the need to act together and share costs through FFA. The Agency was established in 1979 to assist its members to develop and manage their fisheries in a coherent way.

"The right to harvest ocean resources is one thing," says Philipp Muller. "The ability to protect that right is quite another. The first issue of a nation is to assert control over its jurisdiction."

In 1985, FFA requested that ICOD provide the assistance necessary to develop a more effective surveillance capability. ICOD responded with a \$1 million, 5-year technical assistance program and at least 10 related programs involving law, enforcement, and data management. As a result, regional surveillance has improved dramatically, with better enforcement and less infringement by foreign fleets. Surveillance capability also put teeth into the landmark multilateral tuna fishing treaty negotiated with the United States.

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(4 of 4)

Putting the Pieces in Place

With ICOD assistance, South Pacific nations are assembling the many pieces required for an offshore management scheme. A major step in the undertaking is the development of a Pacific Island Marine Resources Information System (PIMRIS). This network of information centres will link the University of the South Pacific in Suva, Fiji; the SPC in Noumea, New Caledonia; FFA in Honiara, Solomon Islands; and CCOP/SOPAC, also in Suva.

"PIMRIS will make the kind of information that is vital to decision-making accessible to researchers and managers throughout the region," says Esther Williams, Director of the Regional PIMRIS Coordination Unit. "We are employing Canadian expertise to eventually train local people to run the system." In all, the four implementing agencies will receive over \$1 million in ICOD assistance to improve their libraries, technical information, computerized facilities, and communication links.

The road to systematic ocean management is a gradual step by step process involving the building of expertise and institutions, but the South Pacific island nations are determined to follow it through. In fact, *ocean* development may be the leading edge of development *per se* in the South Pacific. Canadian experience suggests that good ocean management brings a long range return in terms of a self-renewing fishery and offshore mineral wealth.

In response to its recognition by South Pacific nations, ICOD's role is expanding. The Canadian International Development Agency (CIDA) recently announced that ICOD will administer \$10 million in CIDA assistance on ocean-related programs over the next five years. With growing responsibilities, ICOD and CIDA will open a regional office in Suva, Fiji, in the late fall of 1988. ICOD's new Regional Project Officer Phillip Saunders, of Halifax, should have his hands full keeping tabs on the numerous programs that are currently on the go.

Three years of cooperation on ocean-related programs has resulted in deeper understanding and trust between Canada and the South Pacific island nations, says ICOD President Gary Vernon. "For the countries of the South Pacific, the oceans are a major source of food and provide the basis for technological advance. Being able to share Canada's ocean management expertise opens the door to a new age of cooperation that may prove immensely positive for the future of mankind."



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For Immediate Release: August 17/88

\$130,000 SPC/ICOD Agreement

**New "In-Country" Fisheries Extension Training Courses
Designed to Travel**

The South Pacific Commission (SPC) will soon be taking its regional Fisheries Extension training course on the road.

A \$130,000 agreement signed on August 17 between SPC and Canada's International Centre for Ocean Development will make it possible to deliver a newly designed "national" course in up to six South Pacific island countries.

These national level courses were developed and prepared by fisheries officers who attended the regional Fisheries Extension Skills and Communication Techniques course - also sponsored by ICOD - conducted earlier this year at SPC. The new "in-country" courses will be delivered by national fisheries officers with assistance from a tutor from the regional level course.

Alistair Robertson of SPC described the reason for making the course more mobile: "Taking fisheries training out to Pacific Island countries makes it very accessible to local fishermen. They feel much more comfortable in attending a course that takes place in their neighborhood."

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(2 of 2)

ICOD will also assist SPC in the production of series of fisheries training videos on fish chilling. A further ICOD agreement for \$39,500 was signed with the South Pacific Regional Environmental Program (SPREP). The assistance will support SPREP in developing educational materials relating to coastal zone protection. An information kit consisting of booklets, posters, a fact sheet and case study leaflet will be produced by a consultant writer and Noumea-based graphic artist.

ICOD assistance to SPC and SPREP is part of a five-year, \$10 million commitment to South Pacific institutions engaged in ocean management and development. The Canadian donor agency was established in 1985 to assist developing countries in building their marine expertise and management skills.

ICOD will also act as an "implementing agency" for an additional \$10 million in South Pacific assistance on behalf of the Canadian International Development Agency. A joint CIDA/ICOD regional office will open in Suva in the late fall of 1988 to facilitate increasing contact with South Pacific agencies

ICOD President Gary Vernon was in Noumea for the signing ceremony. He stressed the role that education and training play in ocean management. "Rich fisheries and offshore mineral resources are the legacy of South Pacific citizens," he said. "Training will improve how the resource is developed for immediate gain, and education will influence how it is managed for future generations."



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For Immediate Release: August 22/88

\$327,000 CCOP/SOPAC-ICOD Agreement

New Technical Information Services Support Offshore Mineral Research and Development

Researchers in marine geology may no longer have to search outside the region to locate vital information related to offshore minerals.

The technical library and publication services of the Committee for the Coordination of Joint Prospecting in South Pacific Offshore Areas (CCOP/SOPAC) in Suva will be strengthened as a result of a \$327,000 agreement signed today with Canada's International Centre for Ocean Development (ICOD).

As a result of the agreement, CCOP/SOPAC's technical information services in Marine Geology and Non-Living Resources for the South Pacific region will benefit from a trained librarian, a well organized library, an effective publication service, and increased information services. CCOP/SOPAC in Suva will also be integrated as one of four regional focal points within the new Pacific Islands Marine Resources Information System (PIMRIS).

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(2 of 2)

"Accessible technical information will greatly enhance our research and management efficiency," said CCOP/SOPAC Director Jioji Kotobalavu. "ICOD assistance makes possible a more systematic approach to marine resource management. This will result in greater control over foreign mining activity and the maximization of economic benefits in the long term."

ICOD is a Canadian donor agency established in 1985 to assist developing countries in managing their ocean resources. The August 22 ICOD- CCOP/SOPAC agreement caps a current series that will direct \$1.8 million in additional ICOD assistance to institutions in the South Pacific region.

ICOD and CCOP/SOPAC will also team up to host a 12-country workshop in Savu-Savu from September 29 to October 11, 1988. The regional workshop will deal with the policy and management systems related to nonfuel mineral resources in the nearshore. In total, ICOD will commit \$10 million in ocean-related technical assistance, training and information programs to the region over a five year period.

ICOD will also administer an additional \$10 million in regional assistance for the Canadian International Development Agency. A new CIDA /ICOD joint office will open in Suva, Fiji, to facilitate contact with the major agencies that will receive support under the program: The South Pacific Bureau for Economic Cooperation (SPEC); the South Pacific Forum Fisheries Agency (FFA); the University of the South Pacific (USP); and CCOP/SOPAC.

ICOD President Gary Vernon described it, efficient technical information is essential to systematic ocean management. "The South Pacific region is rich in coastal minerals such as precious coral, gold, phosphate and construction aggregates. Readily available technical information will greatly contribute to developing them in a controlled profitable manner."

Committee for the Coordination of Joint Prospecting for Mineral Resources in South Pacific Offshore Areas (CCOP/SOPAC); and the South Pacific Forum Fisheries Agency (FFA).

"Despite the glamorized notion of the South Pacific as tropical paradise, it is an area with pressing and legitimate developmental needs," Mr. Small said. "We feel that Canada is particularly well equipped to help meet those needs".

Canada's new development assistance strategy, "Sharing Our Future", announced in March 1988, sets as its primary goal helping the poorest countries and people of the world. It also emphasizes strengthening the ability of people and institutions in developing countries to solve their own problems in harmony with the natural environment.

People on the islands are dependent on the sea for their livelihood, but per capita income is low and development difficult mainly because the population is spread over a large area. The Canadian contribution will support projects in the inshore and offshore fisheries, offshore mineral exploration and management, marine transportation, marine policy, and the protection and conservation of the marine environment.

Canada has provided assistance to the South Pacific region since the early 1970s. In 1971, CIDA contributed \$750,000 for a research ship and marine science equipment for a tropical fisheries training project, and in 1978-81, \$8 million for the construction of an Institute of Marine Resources. ICOD has spent \$4 million on over 30 ocean management projects since 1985 with a further \$6 million to be spent over the next five years. Canada has also supported development in

the South Pacific through the allocation of funds from the High Commissions in Australia and New Zealand for a variety of grassroots projects, and through participation in international multilateral agencies such as the United Nations Development Program and the Commonwealth Fund for Technical Cooperation. Canadian non-governmental organisations have been working in the area with CIDA backing for many years. CUSO is the largest, with nearly 100 advisors in Papua New Guinea, Vanuatu and the Solomon Islands.

The Memorandum of Arrangement was signed today with the South Pacific Bureau for Economic Cooperation, with the University of the South Pacific, and with the Committee for the Coordination of Joint Prospecting for Mineral Resources in South Pacific Offshore Areas. Earlier this month, Canada signed the Memorandum with the Forum Fisheries Agency in Honiara.

- 30 -

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