

CCOP-DANIDA
Institutional Capacity Building Project ICB-CCOP 1
Sulu Sea—East Sabah Basin Case Study Dissemination Seminar
5 November 2007, Kuala Lumpur, Malaysia

Report on proceedings and discussions at the Seminar

Date and Venue:

The seminar was held on 5 November 2007, in PVIC room, PETRONAS tower 2, level 22

Address: Petroleum Resource Assessment and Marketing Petroleum Management Unit,
PETRONAS, Level 22, Tower 2, PETRONAS Twin Towers, KLCC, 50088
Kuala Lumpur, Malaysia

Tel: (603) 23313135, Fax: (603) 23313238

Website: <http://www.petronas.com/>

Local Organizer: PETRONAS, Malaysia

Participants:

Thirty (30) participants attended the seminar, detailed name list of participants is attached in Annex 1.
The represented agencies/institutes were:

- ❖ Minerals and Geoscience Department (JMG)
- ❖ Petroleum Resource Assessment and Marketing Petroleum Management Unit, PETRONAS
- ❖ Petronas Carigali Sdn. Bhd.
- ❖ Geological Survey of Denmark and Greenland (GEUS)
- ❖ Embassy of Denmark to Malaysia and the Philippines
- ❖ CCOP Technical Secretariat (CCOP T/S)

Program:

The detailed program of the seminar is provided in Annex 2.

Background and Purpose of the Meeting:

This dissemination seminar is a planned activity of the ICB-CCOP1 Project. The objective of Dissemination Seminar is to disseminate the outputs and impacts of the ICB-CCOP 1 project implementation to DANIDA and stakeholders of Malaysia.

Record of Proceedings and Discussions at the Meeting:

Ms. Nurita Ridwan, Geoscientist from the Petroleum Resource Assessment and Marketing Petroleum Management Unit, PETRONAS was the master of the opening ceremony. As a local host, Mr. Yunus Abdul Razak, Permanent Representative of Malaysia to CCOP, Director-General, Minerals and Geoscience Department, delivered the welcome Speech. He expressed a very warm welcome to all delegates and taking the opportunity to inform the roles of CCOP to the stakeholders that CCOP promotes capacity building, technology transfer, exchange of information and organizational linkages for sustainable resource development, management of geo-information, geo-hazard mitigation and protection of the environment especially CCOP to promote the activities through the Dissemination Seminar. He expressed his sincere thanks to the Royal Danish Government, Mr. Ioannis Abatzis, Representative of Denmark to CCOP, and Mr. Robert Wong, Malaysia's National Coordinator of the ICB-CCOP 1 and his team members for the countless efforts and contributions, to ensure the success of this project, and thanks to many friends in the geoscience community, friends who willingly lend a hand, or even two. Lastly, he has promoted the launching of this IYPE in Malaysia will be held on 14 January 2008 (Annex 3).

Then, on behalf of CCOP, Director Hee-Young Chun made a comprehensive welcome speech. He expressed a warm welcome to all delegates and said the three years ICB-CCOP 1 Project duration from 2005-2007 is now approaching the concluding phase of the Project. He said it was refreshing to see that the project had come to this stage and reached tremendous achievements along the way, indicating the success of the DANIDA-funded project Institutional Capacity Building. He expressed the deep appreciation to His Excellency Mr. Børge Petersen, Ambassador Extraordinary and Plenipotentiary of Denmark to Malaysia and the Philippines, for kindly giving his valuable time, despite his tight schedule and heavy commitments to attend the dissemination seminar. He also gave his thanks to Mr Yunus Abdul Razak for his always kind support to CCOP, to Mr. Effendy Cheng of PETRONAS and his colleagues in Petroleum Resource Assessment and Marketing who involved in the ICB CCOP 1 project, for their excellent arrangement and preparation for this seminar. He heartily appreciated the hard work of Mr. Liu Liquan, the project coordinator and Mr. Ioannis Abatzis, the senior advisor to ICB-CCOP1 Project (Annex 4).

Follow up, H.E. Mr. Børge Petersen, the Ambassador Extraordinary and Plenipotentiary of Denmark to Malaysia and the Philippines made a very comprehensive opening address. He said Denmark has been one of the Cooperating Countries of CCOP for over a decade, DANIDA has been supporting several CCOP Member Countries on a bi-lateral basis. Through the ICB-CCOP1 Project, this is the first time where DANIDA supports to CCOP directly as an organization to the benefit of all the CCOP Member Countries, which aims on the regional economic growth and stability.

He understood that one of the ambitious objectives set for the 3-year ICB-CCOP1 Project was to promote and stimulate the regional cooperation and understanding through a series of cross-border case studies where neighboring countries exchange, share and integrate relevant geoscientific knowledge, information and experience. For achieving the objectives, the ICB-CCOP 1 Project has initiated and implemented a large number of activities which, among others, included workshops, field studies, training courses, seminars and meetings for sharing existing experience and enhancing the knowledge base. The project has also introduced and provided new working tools in form of cutting-edge technology which have contributed further to the capacity building within CCOP Member Countries. Furthermore, he was pleased to announce that the ICB-CCOP 1 Project is a remarkable milestone in CCOP's history and it has set new

standards in the form of cross-border cooperation between the CCOP Member Countries, and that it has been identified and admired by other donor organizations which are willing to apply the same model during the implementation of the future development aid activities. The cross-border cooperation creates also new opportunities for the peaceful exploration and exploitation of the potential new petroleum resources, the optimum utilization of which can provide an essential factor for local and regional economic growth. For achieving its objectives, the ICB-CCOP 1 Project has initiated and implemented a large number of activities which, among others, included workshops, field studies, training courses, seminars and meetings for sharing existing experience and enhancing the knowledge base. The project has also introduced and provided new working tools in form of cutting-edge technology which have contributed further to the capacity building within CCOP Member Countries.

Before he concluded his address, he also expressed that the Danish Government, through DANIDA, is pleased to have supported the successful implementation of the ICB-CCOP 1 Project. Besides the cross-border case study geoscientific results and human resource capacity building, the network and cooperation between Danish experts from GEUS and the regional and other international colleagues were developed toward the future partnership. Lastly, he said that the project is heading towards the successful fulfillment of its objectives and he congratulated all people involved in this project and encouraged them to continue working in the same spirit of regional cooperation and friendship to the conclusion of the project and beyond (Annex 5).

After the opening ceremony, the morning session started with the presentation of Mr. Liu Liquan, ICB-CCOP1 Project Coordinator. He gave a brief introduction of CCOP and reviewing of the ICB-CCOP1 Project implementation and summarized the outputs and impacts of the project, especially the outputs and impacts from the Sulu Sea—East Sabah basin cross-border joint case study. He gave his sincere thanks to Petroleum Resource Assessment and Marketing Petroleum Management Unit (PMU), PETRONAS, Petronas Carigali Sdn. Bhd., Geological Survey of Denmark and Greenland (GEUS) for the support and deep involvement in the project implementation.

Dr Allagu Balaguru and Mr. Chan Eng Hoe presented the result of the Sulu Sea-East Sabah Basin case study which focused on the basin evolution & stratigraphy, seismic interpretation & well correlation, Paleo facies map, 2D basin modeling and play map. It has been proved that the project team member have made an efficient works. The case study outputs completed regional geological understanding between 2 countries. It has completed the regional seismic interpretation, 4 regional structure maps, 3 isopach maps, play type map, 3 geoseismic cross-sections, well correlations, petroleum system analysis, and basin modeling (1D & 2D). The Sulu Sea-East Sabah basin has an active petroleum system, depositional system comparable to the Baram/Tarakan delta. The three main plays delineated are deltaic play, carbonate play and turbidite play. The deltaic play is located mainly in the north, carbonate play in the west/southwest and turbidite play in the east.

Afterwards, Mr. Robert Wong Hin Fatt presented the lessons learnt from the project implementation. Most likely the project have been involved the international scientific intellectuals. The ideas and data are freely shared between geoscientists from across the borders while the geoscientists from across the border are determined to achieve common goals. Further more, by enhancing capabilities, he said that young geoscientists greatly benefited by learning from field studies, workshop discussions, trainings and project case study and experienced geoscientists enriched their knowledge from networking with experts from

other countries with new ideas and new methods eg. fractured basement play from Vietnamese experts, as well as technology transfer through software training eg. PetroMod, ArcGIS. He emphasized that the networking and a good relationship between PETRONAS and DOE had been established through the joint case study. He hopes to have the future corporation with other CCOP Member Countries in the other identified cross-border basin studies, i.e. the north Sumatra basin among the Indonesia, Malaysia and Thailand; and the Rajang Delta-East Natuna basin with Indonesia focusing on Low CO₂ play analysis. He also gave the thanks to the regional expert in Sabah geology and tectonics, Dr Allagu Balaguru, the low CO₂ gas play expert in Malay Basin, Mr. Mansor Ahmad and the ICB-CCOP1 Project research team members for their hard work and kind contribution to the project.

After that, Mr. Khairul Azlan Bin Mustaph, the ICB-CCOP1 Project postgraduate grant recipient from the Geology Department, Faculty of Science, University of Malaya, presented the stratigraphy, structure, and petroleum system of the Tertiary Dent group, Dent peninsula in the East Sabah, Malaysia. Currently, he is the UM student pursuing his MSc in geology with his research in organic geochemistry of the Sebahat and Ganduman formations within the onshore part of the Sandakan basin.

The afternoon session was the thematic session on the “Knowledge & Experience Sharing of the ICB-CCOP1 Project Implementation”, and the geoscientists from PETRONAS have shared their experienced they have learnt from participating to the project activities. Firstly, Mrs. Khebizi Mahsas Fatma Zohra shared her works on the Malay basin basement play potential. After attending the ICB fractured basement reservoir seminar in Hanoi, she use the basement reservoir knowledge from the seminar to apply it to her current research work in Malay basin. She introduced her effective analogue analysis on this kind of basement reservoir.

Mrs. Norzilah Jaffar introduced her gain from the ICB Training Course in digital mapping from Data Catch to Depth Map GIS in Hydrocarbon Exploration held on 4-7 June 2007 in Bali, Indonesia. After the training, she found that the GIS provided a very useful tool to capture, store and visualize the data in map presentation either raster or vector data (points, lines, polygons or annotation). She mentioned that GIS was able to connect map features to information about the features, handle input, and output in different geographic projection. And she also leant the knowledge and shared her experiences on GIS with the other participants from our CCOP Member Countries.

Mr. Mansor Ahmad and Ms. Norhafizah Mohamed mentioned that the capacity in the geoscientific knowledge had been built through the project activities, and meanwhile the friendship had been built among the CCOP Member Countries.

Ms. Harminzar Mansor presented what she got from the ICB field study in Sabah. It provided her a very good opportunity to get the primary knowledge on the onshore stratigraphy of Sabah.

Lastly, Mr. Liu Liqun gave his sincere thanks to the cooperation from Minerals and Geoscience Department (JMG), Petroleum Resource Assessment and Marketing Petroleum Management Unit, PETRONAS, PERONAS Carigali Sdn. Bhd. for their kindly support to the ICB-CCOP 1Project and said the project would not be successful without their common efforts and contributions. He also thanks to the Geological Survey of Denmark and Greenland (GEUS) for their technical support and the financial support from DANIDA to the project and he thanks the colleagues from the CCOP Technical Secretariat for their support.



**INSTITUTIONAL CAPACITY BUILDING IN CCOP COUNTRIES,
PHASE 1 (ICB-CCOP1)**



Group photo of the ICB-CCOP1 Project Dissemination Seminar



Opening Address by H.E. Mr. Børge Petersen, Ambassador Extraordinary and Plenipotentiary of Denmark to Malaysia and the Philippines, Embassy of Denmark



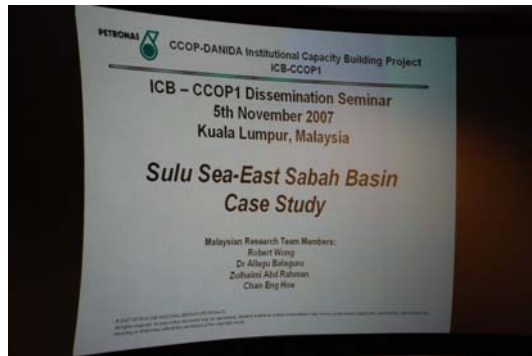
Welcome Speech by Mr. Yunus Abdul Razak, Permanent Representative of Malaysia to CCOP, Director-General, Minerals and Geoscience Department



Welcome Speech by Dr. Hee-Young Chun, Director of CCOP Technical Secretariat



Mr. Liu Ligu, Project Coordinator, Reviewing the Implementation of the ICB-CCOPI Project



Mr. Robert Wong Hin Fatt, ICB CCOP 1 National Coordinator from PETRONAS Introduced the ICB-CCOPI Project work and his team members



Mr. Chan Eng Hoe (Left) and Dr. Allagu Balagu (Right) from PETRONAS presented the outputs and impact of the ICB-CCOPI Project implementation



*Mr. Azlan Khairul
ICB-CCOP1 Project Postgraduate Grant
Recipient presented the result of
his research study*

*Thematic Session on the
“Knowledge & Experience Sharing to ICB-CCOP1 Project Implementation”*



Annex 1







PETRONAS

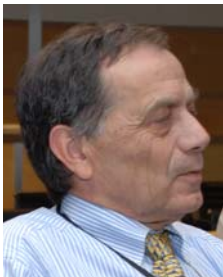
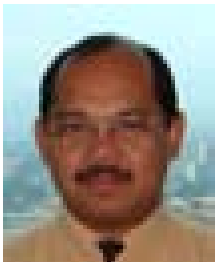





**CCOP-DANIDA Institutional Capacity Building Project ICB-CCOP 1
Dissemination Seminar in Malaysia, 5 November 2007, Kuala Lumpur, Malaysia**
(PVIC room, PETRONAS tower 2, level 22)






DISTINGUISHED GUESTS

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Annex 2



PETRONAS



CCOP-DANIDA Institutional Capacity Building Project ICB-CCOP 1

Dissemination Seminar in Malaysia

5 November 2007, Kuala Lumpur, Malaysia

(PVIC room, PETRONAS tower 2, level 22)

Program

09:20 Registration

09:30 Opening ceremony:

Welcome Speech by Mr. Yunus Abdul Razak, Permanent Representative of Malaysia to CCOP, Director-General, Minerals and Geoscience Department

Welcome Speech by Dr. Hee-Young Chun, Director of CCOP Technical Secretariat

Opening Address by H.E. Mr. Børge Petersen, Ambassador Extraordinary and Plenipotentiary of Denmark to Malaysia and the Philippines, Embassy of Denmark

Group Photo and Coffee Break

10:20 Introduction of the ICB-CCOP1 Project implementation
Mr. Liu Liqun, ICB-CCOP 1 Project Coordinator

10:35 Outputs and impact of the ICB-CCOP1 Project implementation;

- **Mr. Robert Wong Hin Fatt**, Malaysia National Coordinator of the ICB-CCOP1 Project Sulu Sea-East Sabah Basin Case Study Research Team Members
- **Mr. Azlan Khairul**, ICB-CCOP1 Project Postgraduate Grant Recipient

12:00 Lunch

13:30 Thematic Session on the “*Knowledge & Experience Sharing to ICB-CCOP1 Project Implementation*”

15:00 Coffee Break

16:30 Closing Remarks

18:30 Dinner

Annex 3

WELCOME SPEECH BY DIRECOTR OF CCOP TECHNICAL SECRETARIAT

DR. HEE-YOUNG CHUN

**At the opening of the CCOP-DANIDA
Institutional Capacity Building Project ICB-CCOP 1
Dissemination Seminar in Malaysia
5 November 2007, Kuala Lumpur, Malaysia
(PVIC room, PETRONAS tower 2, level 22)**

*His Excellency Mr. Borge Petersen, Ambassador of Royal Danish in Kuala Lumpur
Dr. Jaizan Hardi, General Manager, Technical and Capability Development,
PETRONAS*

Dr. Hee Young Chun, Director of CCOP Technical secretariat

Mr. Liu Liqun, ICB-CCOP 1 Project Coordinator

Distinguished guests, ladies and gentlemen

Assalamu 'alaikum and a very good morning to you, and a special "Selamat Datang" to all our foreign visitors. This is our Malaysian way of bidding you a very warm welcome.

As Permanent Representative of Malaysia to CCOP, and on behalf of the Government of Malaysia, I welcome all of you to this very prestige building of Twin Tower, which house PETRONAS, our National Oil Company and to this CCOP-DANIDA Institutional Capacity Building Project ICB-CCOP 1 Dissemination Seminar

CCOP, which stands for The Coordinating Committee for Geoscience Programmes in East and Southeast Asia, is an intergovernmental organization whose mission is to facilitate and coordinate the implementation of applied geoscience programmes in East and Southeast Asia in order to contribute to economic development and the improvement of the quality of life in the region.

To this end, among others, CCOP promotes capacity building, technology transfer, exchange of information and organizational linkages for sustainable resource development, management of geo-information, geo-hazard mitigation and protection of the environment.

The Year 2006 marked the 40th anniversary of CCOP which was formed in 1966. Every year Malaysia as well as other member countries, contributes a substantial amount to CCOP which we feel is money worth spending. We can see our money at work today in the form of this Dissemination Seminar program. I'm sure that many of you had notice, that the activities of CCOP are taking leaps and bounds, and Malaysia, like other member countries is reaping the benefits.

Of course CCOP cannot function alone but thankfully it has many friends in the geoscience community, friends who willingly lend a hand, or even two. Therefore, I would like to record our sincere thanks to the Royal Danish Government and to Mr. Ioannis Abatzis, Representative of

Denmark to CCOP. They are not just friends to CCOP, but are also friends of Malaysia.

I also would like to take this opportunity to record my thanks to Mr. Robert Wong, Malaysia's National Coordinator of the ICB-CCOP 1 and his team members for the countless efforts and contributions, to ensure the success of this project.

Distinguished Guests, Ladies and Gentlemen

Life is not just work and seminars. With this in mind, we do invite our CCOP Director and others to explore Malaysia. I am sure your local counterpart as well as the local participants, will willingly be your tourist guide, or at the least give you some travelling and touring tips. I can assure you that you will be pleasantly surprised at what Malaysia, especially the Kuala Lumpur City can offer.

I must apologize that I cannot be with you for the duration of the forum. At 10.30 this morning, I will be meeting Dr. Edward de Mulder, President of International Year of Planet Earth Corporation, who is in Malaysia to deliver a talk at Cities and Conservation Seminar, organize by Universiti Kebangsaan Malaysia. As you all are aware, the United Nations had declared that the Year 2008 will be the International Year of the Planet Earth or better known as IYPE. The launching of this IYPE in Malaysia will be held on 14 January 2008, simultaneously with the opening of our prestigious Petroleum Geology Conference and Exhibition which is jointly organize by Geological Society of Malaysia and PETRONAS. The organizing Committee, of which PETRONAS is represented, has planned many events to celebrate this one and only recognition to Earth Science. For more detailed information about IYPE, you are invited to visit the IYPE homepage.

With that advertisement, I conclude my speech. Thank you! And wassalam.

Annex 4

WELCOME SPEECH BY DIRECOTR OF CCOP TECHNICAL SECRETARIAT

DR. HEE-YOUNG CHUN

**At the opening of the CCOP-DANIDA
Institutional Capacity Building Project ICB-CCOP 1
Dissemination Seminar in Malaysia
5 November 2007, Kuala Lumpur, Malaysia
(PVIC room, PETRONAS tower 2, level 22)**

H.E. Mr. Børge Petersen, Ambassador Extraordinary and Plenipotentiary of Denmark

to Malaysia and the Philippines, Embassy of Denmark

Mr. Yunus Abdul Razak, Permanent Representative of Malaysia to CCOP, Director-General, Minerals and Geoscience Department

Dr. Jaizan HarDi B M jais, General Manager, Petroleum Management Unit, PETRONAS

Mr. Ioannis Abatzis, Representative of Denmark to CCOP

Mr. Liu Liqun, Project Coordinator, ICB-CCOP1 Project

Distinguished delegates
Ladies and Gentlemen,

Good Morning!!!!

First of all, on behalf of the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP), we would like to express a warm welcome to all of you to present here this morning for the Institutional Capacity Building Project ICB-CCOP 1 Dissemination Seminar in Malaysia.

As you are aware, CCOP has implemented the ICB-CCOP1 project to meet the needs and for the benefits of Member Countries. The main objective of is to promote regional cooperation in enhancing and integrating the existing knowledge of the petroleum systems in the region, and thus, contribute to a sustainable development of the available resources. The project duration is 3 years from 2005-2007 and we are now approaching the concluding phase of the Project. This Dissemination Seminar, with the objective of seminar to informing the stakeholders about the project, the various studies and activities undertaken, the results and recommendations made, is the culmination of the Project activities. To this end, CCOP promotes capacity building, exchange of information and institutional linkages for sustainable resource development, management of geoinformation, geohazard mitigation and protection of the environment.

It is refreshing to see that the project has come to this stage and reached tremendous achievements along the way, indicating the DANIDA-funded project Institutional Capacity Building Project ICB-CCOP1 has reached its prominent milestone in CCOP history.

To conclusion, we would like to express our deepest appreciation to **His Excellency Mr. Børge**

Petersen, Ambassador Extraordinary and Plenipotentiary of Denmark to Malaysia and the Philippines, Embassy of Denmark for having so kindly given us his valuable time, despite his tight schedule and heavy commitments, to be with us in this dissemination seminar. We are most delighted in His Excellency's personal interest, commitment and for the generous support for the Project. Many Danish experts have generously shared their valuable expertise with us that have contributed to the enhancement of knowledge and capability of CCOP scientists through the trainings, expert visits and workshops.

We like to thank the Malaysian Government through the PETROLEUM NASIONAL BERHAD PETRONAS for their kindly offered to host the Sulu Sea Sabah Basin case study and their hospitality for allowing us to use their premise for this dissemination seminar.

We express our appreciation to **Mr Yunus Abdul Razak** for giving us his valuable time to be with us and having graciously agreeing to officiate the dissemination seminar this morning despite his busy schedule, and heavy commitments. We thank him for his kind supported to CCOP always.

We would like to say a very big thank you to **Mr. Effendy Cheng** of PETRONAS and his colleagues in Petroleum Resource Assessment and Marketing who involved in the ICB CCOP 1 project, for their excellent arrangement and preparation for this seminar, their enthusiasm, and dedication to the project that no doubt have led to the great success achieved. Our thanks to **Mr. Robert Wong Hin Fatt**, the National Coordinator for his supported and hard work.

We would also like to thank **Mr. Liu Liqun**, the project coordinator for his hard work and efficient coordination of the project and our appreciation also goes to **Mr. Ioannis Abatzis**, the senior advisor to ICB-CCOP1 Project his continuing and untiring efforts in rendering useful advice and guidance for the project. The accomplishments of the cross-border case study will not be possible without the close cooperation among them and Member Countries.

At one point or another, I believe most of you here have been involved with ICB Project. I sincerely hope that the Project has helped you enhance "Capacity Building" in your expertise, learn new knowledge, applied and improved this knowledge, particularly friendship and expanded your net working in CCOP and ASCOPE Members and Invited Guest Speakers in the Region and GEUS through ICB-CCOP Phase 1 Project. I'm proudly to say the project has accomplished its goal.

Finally, I wish you all a very fruitful seminar.

Thank you

Annex 5

SPEECH BY AMBASSADOR OF DENMARK TO AMBASSADOR EXTRAORDINARY AND PLENIPOTENTIARY OF DENMARK TO MALAYSIA AND THE PHILIPPINES

H.E. MR. BØRGE PETERSEN

**At the opening of the CCOP-DANIDA
Institutional Capacity Building Project ICB-CCOP 1
Dissemination Seminar in Malaysia
5 November 2007, Kuala Lumpur, Malaysia
(PVIC room, PETRONAS tower 2, level 22)**

***Mr. Yunus Abdul Razak, Permanent Representative of Malaysia to CCOP,
Director-General, Minerals and Geoscience Department
Dr. Hee-Young Chun, Director of CCOP Technical Secretariat
Dr. Jaizan HarDi B M jais, General Manager, Petroleum Management Unit,
PETRONAS
Mr. Ioannis Abatzis, Representative of Denmark to CCOP
Mr. Liu Liqun, Project Coordinator, ICB-CCOP1 Project***

**Distinguished delegates
Ladies and Gentlemen,**

It is a great pleasure for me to address you this morning here in PETRONAS Twin-towers at the opening ceremony of the dissemination seminar of the DANIDA funded Institutional Capacity Building Project, ICB-CCOP1 Project.

Denmark has been one of the Cooperating Countries of CCOP for over a decade now and in this period DANIDA has been supporting several CCOP Member Countries on a bi-lateral basis. For example, Denmark has over the years given substantial support to various environmental interventions in Sabah under the Malaysian-Danish Environmental Cooperation Programme. Danish support to the environment sector in Malaysia was initiated in 1994. Over the last decade around 100 projects nationwide have been supported with a total budget of more than RM 300 million. However, to my knowledge, through the ICB-CCOP1 Project, this is the first time where DANIDA supports directly CCOP as an organization to the benefit of all its Member Countries something which aims on the regional economic growth and stability.

One of the ambitious objectives set for the 3-year ICB-CCOP1 Project was to promote and stimulate the regional cooperation and understanding through a series of cross-border case studies where neighboring countries exchange, share and integrate relevant geoscientific knowledge, information and experience. Back to the beginning of 2006, I was pleased to be invited to attend the opening ceremony of the project workshop and field study in Sabah. As I know, the success of conducting that workshop and field study has built the concrete foundation of the implementation

of Sulu Sea-East Sabah basin cross-border joint case study. After two and half year common efforts, now, the project is entering its harvest season. By combining Philippine and Malaysian data, this project has led to a better understanding of the evolution of the Sulu Sea Basin. This will eventually increase the prospect of the basin, and reduce the exploration risk which is crucial during these times of spiraling exploration costs.

I am also very pleased to hear that the ICB-CCOP 1 Project is a remarkable milestone in CCOP's history and it has set new standards in the form of cross-border cooperation between the CCOP Member Countries, and that it has been identified and admired by other donor organizations which are willing to apply the same model during the implementation of their future development aid activities.

I called the objectives ambitious because in the past such cross-border cooperation was considered, if not unrealistic, then very difficult to be implemented, due to the vast importance the energy assets have for every nation around the world.

However, the ICB-CCOP1 Project has proven that when the mutual respect is maintained, then the cross-border cooperation, conducted in a climate of friendship and understanding, can provide a better picture of the geological set-up in the study areas, while the relationships among the CCOP Member Countries are enhanced, the partnerships are strengthened, and personal friendships are developed. All these contribute to the fulfillment of such an ambitious objective.

Such cross-border cooperation creates also new opportunities for the peaceful exploration and exploitation of the potential new petroleum resources, the optimum utilization of which can provide an essential factor for local and regional economic growth. This will then enhance the basic living conditions of the local people, thus contributing to the reduction of poverty something which is one of Danida's cross-cutting issues.

For achieving its objectives, the ICB-CCOP 1 Project has initiated and implemented a large number of activities which, among others, included workshops, field studies, training courses, seminars and meetings for sharing existing experience and enhancing the knowledge base. The project has also introduced and provided new working tools in form of cutting-edge technology which have contributed further to the capacity building within CCOP Member Countries.

At the previously opening ceremony of the workshop and field study in Sabah, I mentioned that the environmental impact factor should be taken a serious consideration regarding the activities of petroleum industry. In this regards, I was glad to know that the ICB-CCOP1 Project had successfully conducted additional CO2 seminar with the support of the experts from GEUS, Norway, Netherlands and CCOP Member Countries. The CO2 issue is beyond original project objectives; However, it is an issue caused global concerning. It is a good indicator the CCOP Member Countries also noticed the importance of environmental impact along with the economic growth under the DANIDA assistance during the project implementation.

The Danish Government, through DANIDA, is pleased to have supported the successful

implementation of the ICB-CCOP 1 Project. This success, however, was not going to be possible without the valuable cooperation and contributions of the CCOP Member Countries in manpower, material and finance during the project implementation, as well as, the efficient coordination and financial management of the project by CCOP's Technical Secretariat. All these have really maximized the value of the funds provided by DANIDA for the project.

Ladies and gentlemen, besides the cross-border case study geoscientific results and human resource capacity building, the network and cooperation between Danish experts from GEUS and their regional and other international colleagues were developed toward the future partnership. All these are clear indicators that the project is heading towards the successful fulfillment of its objectives and I would like to congratulate all of you for it. I want also to encourage you to continue working in the same spirit of regional cooperation and friendship to the conclusion of the project and beyond.

With these thoughts I declare the seminar opened and I wish you all a good meeting and a pleasant stay in Kuala Lumpur.

Ladies and gentlemen, thank you very much for your attention.