



## *Measurement and mitigation of environmental impact of palm oil production*

23 - 25 February 2010

Grand Hyatt Hotel Nusa Dua Bali – Indonesia

*Opening by Minister of Agriculture of the Republic of Indonesia*

**Key note speech by Minister of Agriculture**

**Key note speech by Minister for the Environment**

- **Oil palm and climate change**

*Panelist: Masnellyarti Hilman – Ministry for the Environment (Indonesia), Gatot Irianto – IAARD (Indonesia),  
Erna Witoelar – Civil Society (Indonesia), Gerard Matheron – CIRAD (France),  
Derom Bangun – IPOB (Indonesia), Jan Kees Vis – RSPO (Malaysia)*

- **Oil palm and biodiversity**

*Jeffrey Sayer – International Union Conservation Nature (IUCN), Switzerland*

- **Measurement of environmental impact of oil palm plantations**

*Jason Beringer – Monash University, Australia*

- **Ecological intensification of oil palm plantations**

*Robert Habib – CIRAD, France*

- **Smallholders and the environment**

*Geraldo Rodriguez – Embrapa, Brazil*

- **ISO 14064 – GHG Calculation**

*Chan Kook Weng – MPOB, Malaysia*

Organized by:



Acknowledged by:



## INTRODUCTION

The first International Conference on Oil Palm and Environment (ICOPE) was held in November 2007 in Bali, Indonesia. It was a unique forum for scientists of various disciplines, practitioners, institutions and NGOs to come together and deliberate on current and future issues relating to oil palm and the environment. Feedback from participants, which numbered more than 400 and representing 16 countries, suggested that the conference was an overwhelming success; suggestions to further improve the effectiveness of future ICOPE conferences were duly noted.

Since then, the first certified sustainable palm oil produced in conformance to the RSPO Principles and Criteria has been announced and released to the market. Traders and buyers are excited and clamoring for higher quantity of such certified sustainable oil.

Meanwhile, despite the significant improvements observed in the field (HCVF identification has become a reality, best practices are implemented by an increasing number of companies, etc), environmental concerns are still taking centre stage. Increasing number of consumers, NGOs and media are questioning the oil palm industry in its contribution to climate change. Issues of carbon footprint

in the oil palm plantations need to be addressed very urgently; some NGOs are calling for a moratorium on planting on primary forest and peat areas. It is most encouraging and reassuring to note that Ecological Intensification of oil palm cultivation is now an integral part and important priority for most private and national research centers; the main objective is to increase the productivity of oil palm based not only on per unit area but also on per unit carbon contribution. More green practices are needed in the oil palm industry.

Based on the success of the first ICOPE conference, the three organizers, Sinarmas Agribusiness Resources and Technology Research Institute (SMARTRI) Indonesia, WWF Indonesia, and CIRAD France, have decided to organize the second ICOPE on 23 – 25 February 2010. The event will be held in Grand Hyatt Hotel, Nusa Dua Bali, Indonesia

Re-enforcing the objectives of the first conference, ICOPE 2010 will address the issues of Green House Gas balance, biodiversity, environmental impact assessment, and the capacity of the industry to improve productivity through an ecological intensification of cultivation practices in both big plantations and smallholdings.

## OBJECTIVES

***To highlight environmental issues, sharing experience on possible solutions and resources not only for the benefit of the environment, but also for the industry itself.***

## OPENING CEREMONY

***Opening Speech & Opening by Minister of Agriculture of the Republic of Indonesia  
Keynotes Speech by Minister of Environment of the Republic of Indonesia***

## KEY TOPICS

- **Oil palm and climate change (*Panel Discussion*)**  
Covering carbon balance and other GHGs emission, carbon footprint of palm oil production (food, energy and other palm oil utilization)
- **Oil palm and biodiversity**  
Covering deforestation issues, conservation of endangered species, ecological integration of oil palm plantations in the landscape.
- **Measurement of environmental impact of oil palm plantations**  
Covering tools for environmental impact assessment (agro-environmental indicators)
- **Ecological intensification of oil palm plantations**  
Covering how to improve oil palm productivity, with practice compatible with ecological consideration
- **Smallholders and the environment**  
Covering smallholder agricultural practice and social issues having an impact on environment

## LECTURES

### ***General Lecturer for each topic***

General Lectures will be held during the conferences. The lectures will cover the above-mentioned key topics and will be addressed by reputable people

### ***Technical Session:***

Beside General Lecture, the discussion of above-mentioned key topics will be carried out in the Technical Sessions. There will be around 15 excellent technical papers to be presented by researchers, NGO activists,

Along with the oral presentation in the Technical Sessions, 16 Poster Presentation will also be available during the conference.

## WHO WILL ATTEND:

- *Oil palm planters, millers, traders, etc*
- *Academicians from Research Organizations and Universities*
- *Activist of NGOs involved in Environmental issues*
- *Government officers*

## PROGRAMME

### Tuesday, 23 February 2010

08.00-09.00	<b>Registration</b>
09.00-10.00	<b>Opening Ceremony</b> <ul style="list-style-type: none"> <li>• Welcoming Remarks by Chairman of Organizing Committee</li> <li>• Opening Speech by Minister of Agriculture, Republic of Indonesia</li> <li>• Keynote Speech by Minister for the Environment, Republic of Indonesia</li> </ul>
10.30-12.30	<b>Panel Discussion :</b> <b>Key topic - Oil palm and climate change</b> <b>Panelist:</b> <ol style="list-style-type: none"> <li>1. Masnellyarti Hilman – Ministry for the Environment, Indonesia</li> <li>2. Gatot Irianto – IAARD, Indonesia</li> <li>3. Erna Witoelar – Civil Society, Indonesia</li> <li>4. Gerard Matheron – CIRAD, France</li> <li>5. Derom Bangun – IPOB, Indonesia</li> <li>6. Jan Kees Vis – RSPO, Malaysia</li> </ol> <p><b>Moderator:</b> Daniel Rembeth - JAKARTA POST, Indonesia</p>
13.30-14.30	<b>General Lecture Key topic 1:</b> <b>Oil palm and climate change</b> Amanda Katili – NBCC, Indonesia
14.00-15.00	<b>General Lecture Key topic 2:</b> <b>Oil palm and biodiversity</b> Jeffrey Sayer – IUCN, Switzerland
16.00-18.00	<b>Technical Session - Oil palm and biodiversity</b> <ul style="list-style-type: none"> <li>• Land Swap Project – World Resources Institute (WRI), USA</li> <li>• HCV identification, monitoring and management - Gary Paoli, HCV Network, UK</li> <li>• Biodiversity information for oil palm- <i>Sophie P &amp; Syahrial A, ZSL, UK</i></li> <li>• WWF International</li> </ul>

### Wednesday, 24 February 2010

08.00-09.00	<b>General Lecture Key topic 3:</b> <b>Measurement of environmental impact of oil palm plantations</b> Jason Beringer - Monash University, Australia
09.30-11.50	<b>Measurement of environmental impact of oil palm plantations</b> <ul style="list-style-type: none"> <li>• Carbon Footprint - Meine van Noordewijk, ICRAF, Indonesia</li> <li>• ISO 14064 - Chan Kook Weng, MPOB, Malaysia</li> <li>• Soil organic carbon indicator - SMARTRI-CIRAD, Indonesia</li> <li>• Life cycle assessment (LCA) - Michael Ng, MPOB, Malaysia</li> <li>• GHG &amp; Bioenergy – Konokwan S, GTZ, Thailand</li> </ul>
13.30-14.30	<b>General Lecture Key topic 4:</b> <b>Ecological intensification of oil palm plantations -</b> Robert Habib, CIRAD, France
15.00-17.20	<b>Technical Session - Ecological intensification of oil palm plantations</b> <ul style="list-style-type: none"> <li>• A role for biotechnologies in the improvement of oil palm sustainability - <i>Alain RIVAL, CIRAD BioS-UMR DIAPC, France</i></li> <li>• Biodiversity in oil palm plantation – SMARTRI &amp; CIRAD, Indonesia</li> <li>• Soil Changes: Jungle to Oil palm - Rosenani A.B, et. al., Malaysia</li> <li>• Bioconversion of PKM as a Business Symbiosis with Palm Oil Industry: a modern industrial ecologist approach - <i>S. Hem, et. al., IRD, Indonesia</i></li> </ul>

### Thursday, 25 February 2010

08.00-09.00	<b>General Lecture Key topic 5: Smallholders and the environment</b> Geraldo Rodriguez – Embrapa, Brazil
09.30-11.50	<b>Technical Session - Smallholders and the environment</b> <ul style="list-style-type: none"> <li>• Certification of smallholders- RSPO Certification Body</li> <li>• Smallholder environmental practice in oil palm in Cameroon-George Ngando, IRAD, Cameroon</li> <li>• Smallholder environmental practice in oil palm in Indonesia – Asril Darussamin, RSPO, Indonesia</li> </ul>
11.50-12.15	Summary of the Conference
12.15-End	Closing

## EXHIBITION & SPONSORSHIP

A palm oil exhibition will be accompanying the conference to provide opportunities for participants to view and discuss the equipment, technology and products related to oil palm industry as well as to provide networking opportunities for buyers and sellers.

Corresponding to the event, we would like to invite you to utilize this conference as a medium to promote your organization or products, through our sponsorship program.

For detail information, enquiry or register of Exhibition or Sponsorship, please contact by email to:

[registration@icope-series.com](mailto:registration@icope-series.com)  
attn. Mr. Albert W. Lewerissa

## REGISTRATION FEE

Conference Fee /Person	Rate	
	US\$	IDR
<i>Payment before 15 February 2010</i>		
• Normal	400.-	4.000.000,-
• Group - 3 participants or more	350.-	3.500.000,-
<i>On site Payment</i>		
• Walk In	450.-	4.500.000,-

### Notes:

- Accommodation is not included in the conference fee.
- Payment closed at 15 February 2010, payment after the aforementioned date will be categorized as Walk In payment.

## PAYMENT METHOD

To participate in the conference, please fill out the Registration Form and mail it with proof of payment to the Secretariat.

Payments are to be made by wire transfer in US Dollars or IDR (**in Full Amount**). The bank account details are as follows:

**PT. SMART Tbk**  
Bank International Indonesia (BII), Thamrin  
Jakarta – Indonesia  
IDR Account # **2-003-01404-6**  
USD Account # **2-003-03609-2**

Payments with cash and credit cards (Visa or MasterCard) are available for on-site payment only.

### Terms and Conditions

- Requests for substitutions are welcome. Please notify the secretariat at least 1 (one) week before the event.
- Request for cancellations must be made in writing at least **3 (three) weeks** before the event (**31 January 2010**). All cancellations will carry a 25% administrative fee. Refund will be issued 2 weeks after the conference.
- No refund will be given for cancellations received after **31 January 2010**. However, a complete set of conference papers will be sent to you.

## ACCOMMODATION

Grand Hyatt Hotel offers attractive rates to participants. Participants are requested to fill out our hotel reservation form and fax or email it back to the respective hotel to receive the conference rates

### Grand Hyatt Bali

P.O. Box 53, Nusa Dua, Bali , Ph: (62) 361 771234 Fax: (62) 361 772038, <http://bali.grand.hyatt.com/>

#### Notes:

- Reservations must be made prior to **22 January 2010**. After this date, the booking will be subject to availability.
- Any cancellations for hotel reservation that occur within **one week** prior to arrival date **or no shows** will be charge **full night booked** cancellation fee.

## ENTRY REQUIREMENTS

A valid passport (for a minimum of 6 months as from the date of entry into Indonesia) and visa are required for all persons entering Indonesia. It is suggested that all overseas participants take a direct flight to Bali, rather than a transit flight to Jakarta.

#### Visa

- Nationals of the following countries may apply for Visa on Arrival for a maximum visit of 30 days:

01. Argentina	18 Greece	36 Norway	
02. Australia	19 Hungary	37 Oman	
03. Austria	20 Iceland	38 Poland	
04. Bahrain	21 India	39 Portugal	
05. Belgium	22 Iran	40 Qatar	
06. Brazil	23 Ireland	41 Russia	
07. Bulgaria	24 Italy	42 Saudi Arabia	
08. Cambodia	25 Japan	43 South Africa	
09. Canada	26 Kuwait	27 Laos	44 South Korea
10. China	28 Liechtenstein	45 Spain	
11. Cyprus	29 Luxembourg	46 Surinam	
12. Denmark	30 Maldives	47 Sweden	
13. Egypt	31 Malta	48 Switzerland	
14. Estonia	32 Mexico	49 Taiwan Territory	
15. Finland	33 Monaco	50 United Emirates Arab	
16. France	34 Netherlands	51 United Kingdom	
17. Germany	35 New Zealand	52 USA	

- No visa is required for a tourist visit of up to 30 (thirty) days for nationals of Brunei Darussalam, Chile, Hong Kong SAR, Macao SAR, Malaysia, Morocco, Peru, Philippines, Singapore, Thailand and Vietnam.

Official hotels around the conference venue:

### Melia Bali Villa & Spa Resort

P.O. Box 88, Nusa Dua Bali 80363, Ph: (62) 361 771510, Fax: (62) 361 771360, <http://www.meliabali.com/>

### Novotel Nusa Dua Bali

Nusa Dua Bali 80363, Phone : 62 361 - 8480555 Fax : 62 361-8480501, <http://www.novotelnusaduabali.com/>

### Intercontinental Bali Resort, Jimbaran

Jimbaran, Ph: (62) 361 701888, Fax: (62) 361 701247, <http://www.interconti.com/>

#### Notes:

- The granting of a visa is, in effect, only a form of pre-entry clearance. It does not grant permission to enter Indonesia. The Indonesian Immigration authorities at the port of entry reserve the right to refuse entry into Indonesia.
- Due to the fact that Indonesia and Israel do not, at present, share diplomatic relations, nationals and passport holders of Israel are unfortunately unable to enter the Republic of Indonesia as a tourist or otherwise without special authorization from the Immigration Office. Therefore, all such applications have to be sent to the Immigration Office in Indonesia.
- All journalists regardless of nationality require visas and special permission.
- All children traveling with parents who require visas must also have visas, even if traveling on their parents' passports.
- All visitors require sufficient funds in cash and/or travelers cheques. Credit cards can no longer be accepted as proof of a traveler's financial status when applying for a visa or traveling to Indonesia, due to the fact that there has been regular misuse of credit cards and credit limits.
- The following information is correct at time of print. However, please check the prevailing conditions of entry with the Indonesian Embassy in your country.

## GENERAL CONDITIONS

It is has to be very clear that the members of the Organizing Committee, SMARTRI Indonesia, CIRAD France, WWF Indonesia and their legal representatives, Directors and officers/employees and their agents shall not be liable for any loss, injury or damage of any kind whatsoever suffered directly or indirectly by the person, possessions or property of any Conference participants or other persons during or in connections with the events of the program or any other activities of the Conferences, for any reason whatsoever. Without prejudice to the generality of foregoing provision, any liability, if any, shall be limited to a refund of fees received from the aggrieved person.

It is agreed that the Organizing Committee, SMARTRI Indonesia, CIRAD France, WWF Indonesia and their agents and officers reserve the right to cancel at anytime any or all of the program if this should appear necessary as a result of events which are beyond their control or which they cannot reasonably be expected to influence or for which they are not responsible; such events shall include but are not limited to force majeure, government or other officials regulations, natural disasters, strikes of any kind whatsoever, civil disorder or riots, obstruction or curtailment of transport and/or transmission facilities, insurrection or other crisis, or any other unforeseen occurrences. The decisions regarding the necessity of such cancellations shall be taken by the Organizing Committee, SMARTRI Indonesia, CIRAD France, WWF Indonesia and their agents at their sole discretion and shall be final.

The Organizing Committee, SMARTRI Indonesia, CIRAD France, WWF Indonesia and their agents reserve the right to make changes to the program without any prior notice, whether in terms of papers, speakers, schedules or any other aspects.

**REGISTRATION FORM FOR PARTICIPANT**

Please complete this form and fax or email back to:

**Mr Lalang Buana**

Fax: (62) 21 318 1315 Email : [registration@icope-series.com](mailto:registration@icope-series.com)

**Participants**

Name : \_\_\_\_\_

Job title : \_\_\_\_\_

E-Mail : \_\_\_\_\_

Name : \_\_\_\_\_

Job title : \_\_\_\_\_

E-Mail : \_\_\_\_\_

Name : \_\_\_\_\_

Job title : \_\_\_\_\_

E-Mail : \_\_\_\_\_

**Company/Organization Info**

Company : \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ Country: \_\_\_\_\_ Postcode : \_\_\_\_\_

Ph: \_\_\_\_\_ Fax: \_\_\_\_\_

Website : \_\_\_\_\_

Nature of Business: \_\_\_\_\_

**Conference Fee and Payment Method**

Rate	Conference Fee /Person	
	US\$	IDR
<i>Payment before 15 February 2010</i>		
• Normal	400.-	4.000.000,-
• Group - 3 participants or more	350.-	3.500.000,-
<i>On Site Payment</i>		
• Walk In	450.-	4.500.000,-

- Notes:
- Accommodation is not included in the conference fee.
  - Please Fax or Email proof of payment when paid

An amount of IDR \_\_\_\_\_ /US\$ \_\_\_\_\_

(in Full Amount) have been transferred by wire to the bank account:

PT. Smart. Tbk.  
Bank Internasional Indonesia (BII) Jakarta Thamrin Branch  
Rupiah Account (IDR) : 2-003-01404-6  
US Dollar Account (US\$) : 2-003-03609-2  
Swift code : IBBKIDJA

on (DD/MM/YYYY) \_\_\_\_\_

**Contact Persons**

Name : \_\_\_\_\_

Job title : \_\_\_\_\_

Ph : \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail : \_\_\_\_\_

**Note:**  
Payment closed at 15 February 2010, payment after the aforementioned date will be categorized as Walk In payment.

**Indemnity**  
The organizer reserves the right to make any changes or amendments to the program for reasons beyond its control. The organizer shall endeavor to reschedule but the client hereby indemnifies and holds the organizer harmless from and against any and all costs, damages and expenses, including attorney fees, which are incurred by the client.

For further information, please contact:

**Secretariat of ICOPE 2010**

attn. **Ms. Marintan Octavia or Ms. Shita Amelia**

Plaza BII, Second Tower, 34<sup>th</sup> Floor Jalan MH Thamrin Kav 22 Jakarta 10350 – Indonesia

Email : [secretariat@icope-series.com](mailto:secretariat@icope-series.com) Website : <http://www.icope-series.com>

Phone : +(62) 21 3181 212, +(62) 21 3181 224 Fax : +(62) 21 3181 315

**HOTEL REGISTRATION FORM**

To make a reservation for accommodation at our special rate,  
Please complete this form and fax back to the respective hotel.

**Reservation**

Name : \_\_\_\_\_

Company name : \_\_\_\_\_

Mailing address : \_\_\_\_\_

Phone : \_\_\_\_\_ Fax : \_\_\_\_\_ E-mail : \_\_\_\_\_

Arrival date : \_\_\_\_\_ Flight no : \_\_\_\_\_ Time : \_\_\_\_\_

Departure date : \_\_\_\_\_ Flight no : \_\_\_\_\_ Time : \_\_\_\_\_

Room Type & Rate	No. of Room	Check-in Date	Check-out Date	Contact Detail
<b>Grand Hyatt Bali Hotel, Nusa Dua</b>				Mr. Adi Sutawan Phone : (62) 361 - 77 1234 Fax : (62) 361 - 77 2038 Email : <a href="mailto:balgh-group_reservations@hyatt.com">balgh-group_reservations@hyatt.com</a> , <a href="mailto:adi.sutawan@hyatt.com">adi.sutawan@hyatt.com</a>
Run of House : USD 160				
Grand Ocean : USD 195				
Club Garden : USD 235				
<b>Melia Bali Villas &amp; Spa Resort, Nusa Dua</b>				Mr. Ferry Firmansyah Phone : (62) 361 - 771510 Fax : (62) 361 - 776880 Email : <a href="mailto:ferry.firmansyah@meliabali.com">ferry.firmansyah@meliabali.com</a> , <a href="mailto:reservation@meliabali.com">reservation@meliabali.com</a>
Superior : USD 125				
Deluxe Garden: USD 140				
Duplex Suite : USD 175				
<b>Novotel Nusa Dua Bali</b>				Mrs. Tenny Phone : (62) 361 - 8480555 Fax : (62) 361 - 8480501 Email : <a href="mailto:reservations@novotelnusaduabali.com">reservations@novotelnusaduabali.com</a> , <a href="mailto:jktsales1@novotelnusaduabali.com">jktsales1@novotelnusaduabali.com</a>
Deluxe : USD 160				
1 Bedroom Residence: USD 180				
2 Bedroom Residence: USD 280				
<b>Intercontinental Bali Resort, Jimbaran</b>				Mr. Adi Nugroho or Ms Yuslinar Phone : (62) 361 - 701888 Fax : (62) 361 - 701247 Email : <a href="mailto:DPSHA-Group@interconti.com">DPSHA-Group@interconti.com</a>
Resort Classic: USD 220				
Singaraja: USD 260				
Club InterContinental: USD 440				

**Notes:**

- For other room types, bedding arrangement, airport transfer, etc., please contact the respective hotel.
- All rates are inclusive service charges, government tax and breakfast for two person.
- Reservations must be made prior to **22 January 2010**. After this date, the booking will be subject to availability.
- Any cancellations for hotel reservation that occur within **one week** prior to arrival date **or no shows** will be charge **full night booked** cancellation fee.

**GUARANTEE**

*Please complete the following to guarantee your reservation.*

American Express                      Visa                      Diners Club                      JCB                      Mastercard

Full Name of Card Holder : ..... Expiry date : ...../...../.....

Card number : ..... Signature : .....

