



Program of LMI LUSES Annual Meeting

October 19th to 20th, 2015
Khon Kaen University, Khon Kaen Thailand

2 DAY SCHEDULE AT A GLANCE

19th October 2015

Plenary session at meeting room No.2

PRELIMINARY

08:00-09:00 Registration.

09:00-09:30 Opening ceremony.

Welcome address by:

- *KKU*, Prof. Dr. Supachai Pathumnakul, Vice President for Research and Technology Transfer
- *IRD*, Dr. Jacques Berger, Representative of *IRD* Thailand.

09:30 -10:30 LMI LUSES: a statement after 3 years.

- 09:30-09:45: *IRD* support for partnership research, by *Jacques Berger (IRD)*.
- 09:45-10:15 LMI LUSES Assessment and prospects by *Nopmanee Suvannang (LDD) & Dr. A. Brauman (IRD)*, Directors of *LUSES*.

Discussion

10:15-10:45: Group photo and coffee break

10:45 – 12:00: LMI LUSES, annual report of the current scientific projects.

10:45 -11:30: **TREE PLANTATIONS: the effects of tree plantations on the soil.**

1. Impact of rubber plantation on soil functioning, a first statement after 3 years by *Dr. Alain Brauman (IRD)*.
2. Consequences of swidden transformation on agriculture system and social-economic of smallholder rubber plantation in Namtha watershed by *Avakat Phasouysaingam*.
3. Long term impact of rubber plantations on soil functioning” by *Phantip Panklang (LDD)*.
4. Impact of rubber plantations on the soil microbial diversity and activities by *Monrawee Peerawat (LDD)*.

11:30-12:30: Lunch break

PLENARY SESSION

12:30 – 15:30 LMI LUSES annual report of the current scientific projects (continued).

12:30-13:15 OMM: Organic Matter Management.

1. Project outlines and objectives by *Dr. Christian Hartmann.(IRD)*.
2. Report on the green house experiment (Vietnam) by *Dr. Thuy Doan Thu (SFRI)*.
3. Report on the columns experiment (Lao PDR) by *Phimmasone Sisouvanh (NUOL)*.
4. Report on activities in Thailand by *Mrs Thanyakan (LDD)*.
5. Discussion.

13:15-14:00 ECOFILTER: Land uses and stream ground water.

1. Regional results of the 2014-2015 field campaign by *Dr. Alain Pierret (IRD)*.
2. Impact of land uses on soil water infiltration and drainage by *Xayathip Kampaseuth (IRD Lao PDR)*.
3. Impact of the conversion from annual cultivation to rubber tree plantation on soil erosion at catchment scale by *Dr. Karn Trisophon (LDD) & Henri Robain (IRD)*.
4. Discussion.

14:00 – 15:00 SEALNET, South East Asia Laboratory Network

1. Methodology and results of the first ring test by *Nopmanee Suvannang (LDD) & Dr. Christian Hartmann (IRD)*.
2. Report on capacity building of biotechnology laboratory at LDD-LMI laboratory by *Pascal Alonso (IRD) and Dr. Dararat (LDD)*.
3. Report on the ISO process by *Dr Phai Duy Do (SFRI)*.
4. SEALNET perspective plan with FAO and other networks by *Dr. C. Hartmann (IRD)*.

15.00-15:30 Coffee break

15:30– 17:00 Potential LMI scientific projects for the 2016-2020 period

1. Sustainable agriculture: to promote and study alternative agricultural practices by *Dr. Nivong Sipaseuth (DALAM) and Dr. Tran Minh Tien (SFRI)*.
2. Perennial plantations and soil ecosystem services by *Prof. Anan Polthanee (KKU) and Dr. J.P. Laclau (CIRAD)*.
3. Critical zone processes for sustainable agriculture by *Dr. Alain Pierret (IRD) and Oloth Sengtaheuanghoung (DALAM)*.

18:00 Departure for Dinner Party



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Parallel sessions

8:30- 10:00 Parallel sessions linked to the 3 potential projects.

1. Sustainable agriculture – how to promote and study alternative agricultural practices?
2. Perennial plantations and soil ecosystem services: what will be the new objectives?
3. Critical zone processes for sustainable agriculture: next steps after ECOFILTER?

10:00 – 10:30 Coffee break

10:30-11:15 Projects related to LMI LUSES.

1. Hevea Research Platform In Partnership by *Dr. Philippe Thaler (CIRAD), HRPP Coordinator*
2. Recent Evolution of the CANSEA network in Agro-Ecology by *Dr. Frank Enjalric (CIRAD)*
3. SURUMER-Sustainable Rubber Cultivation in the Mekong Region by *Dr. Sergey Blagodatskiy (University of Hohenheim, Germany)*

11:15-12:15 Parallel sessions output and general discussion on the next LMI LUSES project.

Conclusions by Alain Brauman, Nopmanee Suvannang and Alain Pierret.

12:30 - 13:30 Lunch

13:30 Transport to the hotel.

16:00-18:30 **EXECUTIVE COMMITTEE** (only for the members of the committee)
at Kosa hotel



Program of
JEAI ECCO RUBBER Meeting and Workshop on
“Socio-economic And Environmental Contexts of Rubber Plantation
Sustainability?”

Co-organized with LMI LUSES - HRPP and KDR

Meeting Room in Sirikunakorn Building

21st October 2015

Plenary session

8:30- 9:30 **Opening ceremony and general introduction**

- *KKU representative, DALAM representative, NUOL representative,*
- *LDD representative, IRD representative, French Embassy representative*

9:30-9:45 JEAI an original tool to promote young researcher teams by *Jacques Berger, IRD representative*

9:45-10:00: The JEAI ECO – RUBBER Project by *Dr. Supat Isarangkool na Ayuthaya (KKU) and Christian Hartmann (IRD)*

10:00-10:30 **Coffee Break**

10:30-12:30 **Rubber plantations impact on soil biodiversity**

Keynote Speaker *Dr. Alain Brauman (IRD): Do tree plantations improve soil health? - The case of Rubber tree plantations in Thailand*

1. *Impact of agricultural practice on soil diversity and activities in NE Thailand" by Monrawee Peerawat (LDD)*
2. *Impact of rubber plantations on macrofauna and litter degradation by Ms. Pusanisa Heepngoe (KU)*
3. *Distribution and role of earthworms on soil properties under rubber (hevea brasiliensis) in N.E. Thailand by Prof. Chuleemas Boonthai IWAI (KKU)*
4. *Are nematodes a good indicator of Land management in rubber plantation? By Dr. Prakaijan Nimkingrat (KKU)*
5. *Carbon stock assessment under different ages of rubber tree plantation " by Ms Phontip Puttasso (KKU)*
6. *Abilities of phosphate solubilizing bacteria isolated from Rubber Tree Plantations in N.E Thailand to solubilizes insoluble Phosphates and to produce IAA under in vitro conditions by Ms. B. Daopasith (KKU)*

12:30 -13:30 Lunch

13:30-14:45 Socio-Economic aspect of rubber sustainability

Keynote speaker *Prof. Anan Polthanee (KKU) " Seeking security through rubber Intercropping"*

1. *Description of agroforestry system by Dr. Vichot (PSU)*
2. *Identity of rubber agroforestry system in Phatthalung province by Dr. Uraivan Tongkaemkaew (Taksin University)*

14:45-15:15 **Rubber plantations and ecosystem services**

Keynote speaker *Dr. Jean Paul Laclau (CIRAD) "nutrient cycling in tree plantation"*

1. *Fertilisation of rubber plantation a new approach by Dr. Philippe Thaler (CIRAD)*

15:15-15:30 **Coffee Break**

15:30 16:30 Rubber plantations and ecosystem services

2. *Alternative system to cope the labour shortage by Dr. Regis Lacote (CIRAD)*
3. *Identification of ecophysiological parameter for breeding to cope water stress by Prof. Jessada Pattaralerpung (KU)*
4. *Carbon stocks and dynamics in rubber dominated watershed in Xishuangbanna, China ,by Dr. Blagodatsky, Sergey (University of Hohenheim, Germany)*
5. *Mature rubber tree fine root production a long deep soil profile and implication for soil carbon stocks in North East by Dr. J.L. Maeght (IRD) & Dr. Supat Isarangkool (KKU)*

16:30-17:00 *General discussion*



22nd October

***JEAI-ECCO RUBBER's meeting
(Only for JEAI-ECCO members)***

Plenary session

8:30 – 8:45 Introduction by *Dr. Supat Isarangkool (JEAI leader) and Dr Christian Hartmann (IRD correspondent).*

Part 1 - Review of past work

8:45 – 9:30 Task 1. Agro-socioeconomic survey

9:30 – 10:15 Task 2. Soil diversity and activity of soil organisms

10:15 – 10:30 Coffee break

10:30 – 11:15 Task 3. Nutrient cycling

11:15 – 12:00 Task 4. C sequestration

12:00 – 13:30 Lunch

Part 2 - Workplan for the next year(s)

13:30 – 14:00 Presentation of the work planned by each task for the next sample collection (at the end of the rainy season and/or beginning of the dry season)

14:00 – 14:30 Open discussion on how the different Tasks can interact and complement each other.

14:30 – 15:00 Listing the priorities in the next actions.

Part 3 – Miscellaneous

15:00 – 15:30 Identifying the needs for individual and collective trainings

15:30 – 16:00 Financial planning

16:00 – 16:30 Evaluating the feasibility of a common teaching on soil functional biodiversity between KKU & NUOL



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