



# Program of LMI LUSES Annual Meeting

October 19<sup>th</sup> to 20<sup>th</sup>, 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)*.
- 09:45-10:10 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.

**14.00-14:30** Coffee break

**14:30 – 15:30 SEALNET, South East Asia Laboratory Network**

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

**16:00– 17:45** 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 Welcome 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. Boonthai Iway Chouleemas (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. *Diversification of income through rubber agroforestry system to overcome overprice fluctuation by Philippe Thaler (CIRAD)*
3. *TITLE to define" by Dr. Isabelle Vagneron (CIRAD) & Mrs. Arunee Promkhambut (KKU)*

**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**

*Program in preparation.*