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**Absents :** Marc Benoît MB, Jean-Pierre Caliman JPC, Marc-Philippe Carron MPC, Marcel Djama MD, Margot Moulin MM, Raymond Nkongho RN, Pablo Pacheco PP, Sylvain Rafflegeau SR, Jean-Marc Roda JMR, Lénaïc Pardon LP

### Agenda

1. Review of 2014 activities
2. Activities planned in 2015
3. Miscellaneous

### Updates

1. Review of 2014-2015 activities by task

**T.1.1+T.1.4** (PMB, RM, CB) The field survey on smallholders' production systems and practices carried out in 2013 was not large enough to conclude on the preliminary typology which was presented at ICOPE 2014 Conference. Since 2014, we have been trying to hire Indonesian students/workers to carry out further field surveys and enlarge the sample size in Riau. We first aimed to recruit 2 people but ended up focusing on one single student who seemed particularly competent. The administrative constraints related to the hiring of an Indonesian trainee had been handled in 2014 by AR. However, the selected trainee ended up in postponing the starting date of internship several times and we have been looking for other possibilities for several months in vain. In parallel, we could possibly send a student from France to carry out field survey in duo with the Indonesian surveyor but eventually the internship fees could not be covered by MOISA research unit. Nevertheless, a comprehensive field survey will take place in 2015 (for 2-3 months) under supervision by PMB and Jean-François Bélières who will be on a tutoring mission in Indonesia during July 2015. We are presently recruiting a surveyor(s) for the survey to be starting at this date. RM is in charge of the recruitment together with Pak Sudharto. RM will be the permanent supervisor in the field during the whole survey campaign.

T.1.1 included a methodological development related to the 3-D assessments. Regarding socio-economic impact assessment, the track given by the WAW methodological framework was followed in order to conduct a comprehensive assessment integrating the influence of the production system structure on the palm system performances and impacts. Regarding the environmental assessment, based on MM works on the systems' analysis, we focused on fertiliser and pesticides doses in order to discuss potential environmental impacts. In parallel, we conducted LCA studies that are being currently completed. A PhD thesis, partly funded by ANR SPOP (co-funding of 50% PhD grant) started in September 2014. The PhD student is Lénaïc Pardon (LP) who graduated from AgroParisTech in 2011. The aim of the Thesis is to finalise and field-test an agri-environmental indicator that allows assessing the environmental impacts of fertilization practices based on a holistic approach of the oil palm plantation N-balance and including a fine modelling of field practices. This indicator will be then used under the PhD framework in order to compile LCA studies based on accurate estimates of N-field emissions. The first PhD Committee took place on April 8<sup>th</sup>, 2015 and the Committee report will be posted on ANR SPOP webpage.

Starting in May 2015, a French trainee (Supagro 2A) will spend a 3-months stay hosted by the research unit UR34 under CB supervision in order to compile an Access Database on SPOP surveys and impact assessments so far. The resulting DB will include results from field surveys that describe production systems the palm oil practices. These datasets will be used to finalise both the 3D-assessments and compared LCA studies.

**T.1.2** (EC) During 2014, interviews and analytical work were carried out on the stakeholders' perceptions of "palm oil sustainability" at both macro and micro levels. The report provided by Roxane is still under reviewing and it will generate one peer-reviewed publication. EC is now focusing on compiling further information especially on the role of the partnership in underpinning palm oil sustainability. EC will conduct several interviews to deepen the question on how the various stakeholders conceive the partnership. "Palm oil partnerships" consist in agreements between at least one company, the State (in most cases, at least implicitly) and smallholders. These partnerships firstly consist in commercial agreements but actually end up in broader frames where further considerations on the palm oil system organisation and the roles played by all actors may be discussed. Understanding the varying conceptions of these partnerships and the expectations they may carry along for various stakeholders will provide interesting material to deepen the study on the cross-perceptions of sustainability through fair partnership.

**T.1.3** (MD) Since the project started, MD has worked on various projects related to palm oil sustainability in direct contact with several local partners in South East Asia. Through this work he has identified key issues that were addressed in parallel to his involvement in SPOP. Based on these results, he has proposed some different deliverables to the SPOP project that will be submitted to ANR administration for approval. MD will moreover lead the last reflexive workshop (part of the initial T.1.3 deliverables) to be held in March 2016 as a side-event of ICOPE Conference in order to present the final results of SPOP project.

**T.1.5** (RN, PL) The PhD work implemented by RN, which corresponds to SPOP T.1.5 on the comparison of palm oil production system at national level between Cameroon and Indonesia, has been completed in 2014. The help of AR under the SPOP framework was acknowledged in facilitating the collection of data from Indonesia and Malaysia. Up to now, RN has published 3 peer-reviewed articles and 2 Cifor reports. He is presently completing the final chapter of his PhD Thesis manuscript.

**T.2.1** (LF, PL) All PPA workshops have been carried out and reports have been delivered. In 2014, 3 workshops were organised in Cameroon together with 2 PPA and 1 open-discussion workshop that was not carried out strictly according to PPA guidelines. Publications of the PPA results are work in progress. The work of LF, PL, RN and associated trainees is currently being used to orient policy strategy for the oil palm sector in Cameroon. A policy brief will be produced.

The establishment of mutual confidence and consequently of a fair partnership was evidenced as a driver of successful smallholders schemes.

**T.2.2+T.2.3** (MM, JW) In 2014, MM worked on both the writing of an article on the typology and performance of palm oil systems and on the development of a model to explore their potential futures. The article submission has been delayed due to the need to revise some data from the agribusiness estates. JPC is in charge of double-checking these data and he will provide complementary information aimed at deepening the analyses of practices and their rationale. In parallel to her writing work, MM has first explored statistical and spatial data to test the feasibility of using learning-rules to exploit existing maps. MM is now hosted by UMR GREEN in Montpellier under supervision by by Christophe Lepage et François Bousquet in order to develop a multi-agent model. This model, based on expert knowledge, will providespatial distribution of various palm oil systems based on the modelling of decision rules that underpin potential futures of such systems.

## 2. Miscellaneous

- AR has been promoted as the Cirad Regional Director for for South East Asian Island Countries. He is now based in Jakarta.
- Sylvain Rafflegeau is no longer part of the project
- Marc-Philippe Carron is no longer part of the project
- OPAL: Oil Palm Adaptive Landscape is a 6-year research project that started in March 2015. It is funded by the Swiss Research Agency and led by ETH-Zürich. It was partly built-up on results from SPOP and Cifor Sentinel Landscapes on Oil Palm (SLOP). It involves Cifor, IPBogor, WWF, Naturaleza Colombia etc. It will make sense to look for synergies and mutual information between Opal and SPOP2 ( if any).
- Reminder: please mention the support from ANR SPOP in all your communications; you may use the following citation: “The author(s) is(are) grateful to ANR (the French National Research Agency) which supported (part of) this research within the framework of the Sustainable Palm Oil Production (SPOP) project ( <http://spop.cirad.fr/>”.
- Outputs
  - The final revised report from Roxane should be completed by the end 2015
  - RN should defend his PhD Thesis by the end of 2015
  - MM should submit her article on palm oil typology and practice analysis (Q2 2015)
  - LP is presenting his review work on palm N-balance modelling (flash poster) at the SETAC conference in Barcelona, May 2015
  - The paper presented at ICOPE 2014 by CB should be submitted to Regional Environmental Change (Q3 2015)
  - An article on methodological issues related to palm oil LCA was published in IJLCA (2014); the collaborative work on this paper was partly funded by ANR SPOP

## Discussion / Decision points

♦ Coordination:	Responsible people/timing
- SPOP web page will be further updated	CB
- Design of a proposal for SPOP 2, as a prolongation of the Project aimed at including 2 further steps deriving from SPOP results: 1) to include remote sensing data and adequate system mapping together with a new partner to be included (Sarvision), 2) to apply the 3D-assessment to produce maps based on MM model and remote sensing analyses	CB
♦ Data collection:	
- Ex-Cifor surveyors must be contacted to fulfil the proposed position to carry out field surveys within T.1.4	PL (RM transmits the internship note)
- 1-2 Indonesian surveyors supervised by RM should be hired in order to initiate field interviews in July 2015	RM (+ Pak Sudharto)
- A supervising mission of PMB and JFB in Indonesia is planned for July 2015	PMB
♦ Publication of results:	
- The report from Alice Baudoin will be further reviewed to be published by Cifor	PP + PL
- The preliminary results on production system typology and strategies is being revised and submitted to <i>Regional Environmental Change</i> journal	PMB + CB
- A project article on global scenarios outputs from ICOPE workshop led by MM will be revised and submitted for publication	AR + CB
- A chapter describing various questions addressed by SPOP on “Conceiving a supply chain sustainability” will be submitted as a chapter of the Cirad/AFD book on <i>Supply Chains and Sustainable Development</i> (Quae Editions, to be published 2016)	CB + AR
⇒ Next meeting Q4 2015	

## Documents to be uploaded on SPOP web page:

- Results from T.1.5 and T.2.1
- Report on 1<sup>st</sup> steering committee of LP
- Information on OPAL project in “Project benchmarking”
- Information on LP PhD