GCP- LUC4C Workshop

Carbon Emissions from Land Use Change:
Bringing together the latest products for improved global and regional estimates
8-10 February 2016, LSCE, Paris

Objectives and Products:

1. To combine current datasets and modeling capabilities to reassess global LUC emissions. Paper.
2. To map a pathway for improving data-modeling capabilities over the coming years. Possibly a paper.
3. To analyze the contribution of LUC to the 2030 INDCs. Paper.

Agenda
as per 30 January 2016

Monday, 8 February 2015

9:00 am

Introductions
Workshop objectives and products. Pep Canadell, Almut Arneth, Philippe Ciais, Jo House, Corinne Le Quéré.

9:30 am
MODELING
    20 min. talks + 10 min. discussion
- Overview methodologies to estimate global LUC carbon emissions. Jo House.
- Updating estimates of the annual flux of carbon from LULCC with data from FRA2015: A new reconstruction. Skee Houghton

10:30 Break

11:00
- DGVM – How LUC is implemented in TRENDY models (DGVMs). What are the LC datasets used? What would be the ideal LC datasets needed? Stephen Sitch
- Implications of methodological choices for simulated net LULCC flux estimates. Julia Pongratz

12:00 Plenary Discussion on Modeling (w/Rapporteur)

12:30 Lunch

1:30 pm
DATASETS
    20 min. talks + 10 min. discussion

- Land Use Model Intercomparison project (LUMIP), and the new land-use dataset. George Hurt
- FAOSTAT Emissions Database, Agriculture, Forestry and Land Use. Francesco N Tubiello
  10 min. talks + 10 min. discussion
- Multi-gas and multi-source comparison of five global land use emission databases and their influences over IPCC AFOLU reports for the European Commission. Martin Herold

2:50
Plenary Discussion on Datasets (w/Rapporteur)

3:30 pm Break

3:50   Plenary discussion (w/Rapporteur)
How to build an improved global system for LUC emissions from current components-1

6:00 pm *Day Ends*

7:00 pm Group Dinner

Tuesday, 9 February 2015
9:00 am

REMOTE SENSING
20 min. talks + 10 min. discussion
- Global forest cover change. Matt Hansen
- Biomass and LCC emissions tropical. Alessandro Baccini

10 min. talks + 10 min. discussion
- ESA LC change products. Inès Moreau (not confirmed)
- Estimating tropical deforestation rates and related carbon losses. Frederic Achard

10:40 *Break*

11:10
- Independent Monitoring of GHG Emissions from Land Use Activities. Hannes Böttcher

11:30
Plenary Discussion on Remote Sensing (w/Rapporteur)

12:30 Lunch

1:30 pm

MODELING AND DATASETS (Continuation)

10 min. talks + 10 min. discussion
- Uncertainty in the reconstruction of historical PFT maps. Philippe Ciais
- New advances in modeling LUC emissions. Shifting agriculture, forestry and gross LCC in ORCHIDEE. Chao Yue
- Discriminating secondary versus primary forest components of land use change fluxes using POP: a solution for Earth system models. Vanessa Haverd
- CARDAMOM data-assimilation framework. Jean-Francois Exbrayat
- An inter-comparison of global land use models and future scenarios to identify sources of uncertainty. Mark Rounsevell

3:10 Groups Discussion on Modeling and Datasets

3:30 *Break*

4:00
How to build an improved global system for LUC emissions from current components-2 (discussion could extent to include future components)
Plenary discussion (w/Rapporteur)

6:00 pm *Day Ends*

Wednesday, 10 February 2015

9:00 am
LUC contribution to 2030 INDCs (chair: Almut Arneth)
- **10 min. talks + 10 min. discussion**
- The quantitative role of Land use sector within INDCs. Giacomo Grassi
- Measuring a fair and ambitious climate agreement using cumulative emissions: How does LUC effect results? Glen Peters
- Forest area projections to 2030. Sandro Frederici

10:00
Plenary discussion (w/Rapporteur)

12:00 Wrap up: Products, leadership, timetables, others.

12:30 pm   Meeting Ends