



[GCP/MaGNET Pre-Workshop, IIASA, March 1, 2017](#)

Latest Land Use Modeling and Scenario Developments

Venue: IIASA (Gvishiani Room)
Schedule: March 1st, 13:30-18:00

Agenda

13:30 - 13:40 Opening Remarks:

Sabine Fuss (GCP SSC, MCC) and *Florian Kraxner* (IIASA)

13:40 – 15:20 Session 1

Chair: *Sabine Fuss*

GLOBIOM: A global model to assess competition for land use between agriculture, bioenergy, and forestry - *Hugo Valin* (IIASA) [20+10]

Non-CO2 emission mitigation options - *Stefan Frank* (IIASA) [15+5]

Sustainability Assessments of Negative Emission (BECCS) Land Use Scenarios - *Yoshiki Yamagata* (NIES) [10+5]

Estimation of gridded population and GDP scenarios with spatially explicit downscaling - *Daisuke Murakami* and *Yoshiki Yamagata* [10+5]

Downscaled BECCS Land use scenarios for agriculture and forestry lands - *Tsuguki Kinoshita* (Ibaraki University) and *Yoshiki Yamagata* (NIES) [10+5]

Results from ICA-RUS project on BECCS analysis, and recent progress and challenges in bioenergy implementation in GRAPE model - *Etsushi Kato* (IAE) [15+5]

15:40– 16:00 *Coffee Break*

16:00 – 17:40 Session 2

Chair: *Florian Kraxner*

Impacts of deforestation for bio-fuel production on ecosystem services - *Akihiko Ito, Tsuguki Kinoshita, Yoshiki Yamagata, Naota Hanasaki* (NIES) and *Etsushi Kato* (IAE) [15+5]

BECCS and water use: a scenario analysis using a global hydrological model - *Naota Hanasaki* (NIES) [15+5] (*presented by Yoshiki Yamagata*)

Challenges for land-use and water management under the 2 °C target - *Ayami Hayashi, Fuminori Sano, Keigo Akimoto, Takashi Homma* and *Yasuhide Nakagami* (RITE) [15+5]

Implications of food security in the carbon constrained world: an application of AIM/CGE - *Tomoko Hasegawa, Shinichiro Fujimori* (NIES/IIASA), *Kiyoshi Takahashi* and *Toshihiko Masui* (NIES) [15+5]

Opportunities and trade-offs of terrestrial carbon dioxide removal within a safe operating space for humanity - *Vera Heck* (Potsdam Institute for Climate Impact Research and Aalto University, Finland) [15+5]

17:40 Discussion [15]

17:55 Closing the Workshop [5]