

2nd Joint ICL-IIASA Workshop on GGR/NETs Modelling

6-7 March 2017

Gvishiani Room, IIASA, Laxenburg, Austria

Workshop aims

- I. Review relevant IIASA/ICL models and approaches
- II. Discuss complementary methodologies
- III. Identify collaboration options and next steps

Workshop themes

- I. Ecosystems management
 - Managing crop residues with EPIC
 - Managing forest residues with G4M
 - Environmental safeguards
- II. Technical aspects
 - Decision Support Systems for bioenergy systems
 - Innovative CCUS technologies overview
- III. Case studies

Agenda

Day 1, Monday 6th March

Morning: Recap from first meeting in 2016

10:00 - 10:30 *Arrival at IIASA/coffee/get together*

10:30 - 12:00 IIASA models: short overview presentations (BeWhere, EPIC, G4M, BGC-MAN)

12:00 - 13:00 Lunch, IIASA Restaurant

Afternoon: Ecosystems and technical aspects

- 13:00 - 14:40 Technical aspects and general presentations (15 + 5 minutes each)
- Sorbent screening for CO₂ capture (*Maria Mota Martinez*)
 - Linking thermochemistry and process simulation (*Mai Bui*)
 - Strategies for £/MWh reduction of CCS (*Renato Cabral*)
 - Inefficient BECCS as an optimal route to negative emissions (*Mathilde Fajardy*)
 - Current status of CCS in Indonesia (*Retno Gumilang Dewi*)

14:40- 15:10 *Coffee Break*

- 15:10 - 16:50 Technical session continued (15 + 5 minutes each)
- BECCS supply chain modelling in the UK (*Di Zhang*)
 - BIOCCS potential in US (*Piera Patrizio*)
 - Using Curtailed Wind To Run CCU Processes (*Habiba Daggsh*)
 - Balancing energy intermittency in the Alps (*Sennai Mesfun*)
 - Long term power systems modelling (*Clara Heuberger*)

- 16:50 - 17:00 Open discussion and wrapping up of the 1st day
- Data sharing opportunities

19:00 -... *Working Dinner in Vienna, hosted by IIASA*

Day 2, Tuesday 7th March

Morning: Case studies

09:00 - 09:30 Arrival at IIASA/coffee/get together

- 09:30 - 10:50 Ecosystems management and energy policy issues (15 + 5 minutes each)
- Crop residue management (EPIC: *Juraj Balkovič*)
 - Sustainable Forest Management (G4M: *Stephan Pietsch*)
 - Mapping sustainable forest management certification (*Florian Kraxner*)
 - Indonesia's energy sector climate commitments (*Bintang Yuwono*)

10:50 - 11:15 *Coffee Break*

- 11:15 - 12:15 Case studies continued (15 + 5 minutes each)
- Wildlife protection (Dynamica software: *Alma Mendoza*)
 - Harmonization of environmental protection in the Alps (*Hernan Serrano Leon/Sylvain Leduc*)
 - Improving biomass data through citizen science (biomass geo-wiki: *Dmitry Schepaschenko*)

12:30 – 13:30 *Lunch, IIASA Restaurant*

Afternoon: Round table and conclusions

- 13:30 - 15:00 Discussing methods and collaboration modes
- YSSP
 - IIASA Post Doc
 - Joint call response
 - publications
 - ...
- 15:00 - 15:30 *Coffee Break*
- 15:30 - 16:00 Identifying next steps and wrapping up the 2nd day
- 16:00 Ending the workshop

Participants

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