

## Workshop:

# Landscape management and design for food, bioenergy and the bioeconomy: methodology and governance aspects

15 - 16 March, Chalmers, Gothenburg, Sweden

## Background:

With increasing demand for land, often with competing interests, there is a need for improved understanding – and promotion – of biomass production in landscapes that generate multiple ecosystem services and support biodiversity. Governance of land use and other activities shaping our landscapes requires methods to assess impacts on biodiversity and ecosystem services. A multitude of approaches exist that address biodiversity and ecosystem services on different spatial and temporal scales. This diversity is important for advancing science and knowledge, but can create difficulties in situations where governance agreements are to be made. This is particularly complex in a context where multiple goals need to be considered, e.g., mitigation of climate impacts from land use, promotion of renewable energy, increased food production, and more sustainable resource management in general.

The advancement of science and knowledge needs to be managed in parallel with processes informing governance based on the current state of knowledge. This is a challenging task, which can be supported through structured information exchange and collaboration engaging researchers and other actors involved with landscape governance.

## Preliminary schedule 15-16 March:

### Tuesday:

- 10.00-10.30 *Registration, coffee/tea and mingle*  
10.30-11.30 **Introduction, presentation of organizers and expected outcomes**  
11.30-12.30 **Keynote presentations:**

Virginia H. Dale, Centre for Bioenergy Sustainability,  
Environmental Science Division,  
Oak Ridge National Laboratory, Tennessee USA

N.H. Ravindranath, Indian Institute of Science,  
Bangalore, India

- 12.30-13.30 *Lunch*  
13.30-15.30 **Session 1a: Methodology aspects**  
15.30- 15.40 *Break for refreshments*  
15.40- 17.00 **Session 1b: Break out groups - Methods**

### Wednesday:

- 8.30-10.30 **Session 2a: Governance aspects**  
10.30-11.00 *Break for refreshments*  
11.00-12.30 **Session 2b: Break out groups – Governance**  
12.30-13.30 *Lunch*  
13.30-15.00 **Reporting back from groups, plenary and identifying the way forward**

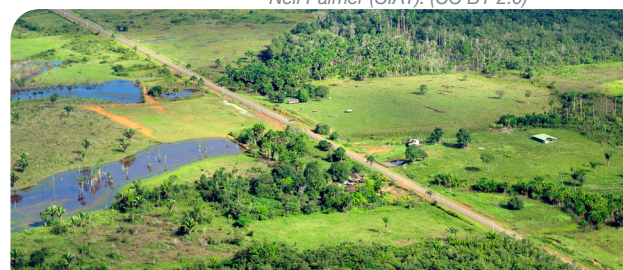
See full and latest version of the program at: [www.focali.se](http://www.focali.se)  
Register to: [eskil.mattsson@chalmers.se](mailto:eskil.mattsson@chalmers.se), deadline 7 March

## Workshop outline:

The workshop is based on received presentation proposals addressing landscape methodology and/or governance aspects in terrestrial ecosystems and both agriculture and forestry activities. In addition key note speakers will provide inspirational speeches about the necessity for improved landscape management for multiple benefits and share concrete examples on how this can be achieved. Break out groups, between sessions, will facilitate room for deeper discussions and documentation.



Neil Palmer (CIAT). (CC BY 2.0)





## Register to:

Eskil Mattsson  
eskil.mattsson@chalmers.se  
Deadline 7 March

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## Workshop aim and scope:

This workshop aims to facilitate the sharing of views and experiences and provide the basis for a publication about methodologies and tools for assessing land-use impacts on biodiversity and ecosystems services, including an agenda for further advancement of science and knowledge in support of governance agreements on landscape management and design for food, bioenergy and the bioeconomy.

## Expected outcome:

A workshop outcome report and/or policy brief is planned. The option to publish an IEA Bioenergy position paper is investigated. The workshop will provide a good opportunity to network and develop collaborations between the different organizers and participants. It will further be a forum to identify important research questions and research gaps that should be followed up in subsequent meetings to this workshop.

## Organizers:

The workshop is organized in cooperation with the Global Bioenergy Partnership [GBEP AG6 “Bioenergy and Water”](#) by the following organizations:

- [IEA Bioenergy Task 43 - Biomass Feedstocks for Energy Markets](#)
- [Agriculture for Food Security programme, AgriFoSe](#)
- NKJ-SNS Network “Effects of bioenergy production from forests and agriculture on ecosystem services in Nordic and Baltic landscapes”
- [Focali](#), The Forest, Climate, and Livelihood research network - [SIANI](#), The Swedish International Agricultural Network Initiative, joint theme [Forests Landscapes and Food Security](#)
- [Chalmers Energy Area of Advance: Energy in a Circular Economy](#)
- [Royal Swedish Academy of Agriculture and Forestry](#), Energy Committee
- Centre of Advanced Research on Environmental Services from Nordic Forest Ecosystems, [CAR-ES](#)

## Organizing Committee:

Göran Berndes, Chalmers University of Technology  
Christel Cederberg, Chalmers University of Technology  
Nicholas Clarke, Norwegian Institute of Bioeconomy Research, NIBIO  
Gert Nyberg, Swedish University of Agriculture Sciences  
Madelene Ostwald, Centre for Environment and Sustainability, GMV  
Inge Stupak, University of Copenhagen  
Rajja Laiho, Natural Resources Institute Finland, LUKE

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Forest, climate & livelihood research network

Agriculture for Food Security 2030

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