

Sustainable Landscape Management for Bioenergy and the Bioeconomy

Save-the-date information!

IEA Bioenergy Task 43 Workshop, 11-12th October 2018, Rome, Italy

IEA Bioenergy Task 43 has launched an initiative to identify attractive examples of landscape management and design for bioenergy and the bio-economy. The goal of this initiative is to compile world-wide innovative examples as a means of showcasing how the production of biomass for bioenergy can generate positive impacts in agriculture and forestry landscapes. These examples are also meant to serve as sources of inspiration that other biomass producers can use to enhance the sustainability of their own activities.

A year ago, a warm up event for the current workshop was made within [Bioenergy Australia Conference 2017](#) where contributions were handpicked to demonstrate good examples and stimulate a discussion on how these can be relevant for developing attractive systems in the Australian context.

This event takes us a step forward towards new roles of biomass feedstock within a concept of bioeconomy. The innovative examples selected for this workshop show how biomass can be produced together with food in sustainably managed landscapes.

The aim of the workshop is to provide a platform for a dialogue between stakeholders along biomass supply chain where invited representatives from policy making groups (e.g. FAO, IRENA, GBEP, SE4ALL, DG AGRI, EIP-AGRI, COPA-COGECA, EUFRAS, AEBIOM, WBA...), together with IEA Bioenergy Task 43 contributors, will exchange their perspectives on the showcase examples.

The workshop will have a proactive format, consistent of dynamic exchange of showcase presentation and work in groups to identify system frameworks and tradeoffs along different biomass supply chains.

The outcome of the workshop will be a report with outcomes of the working groups and summaries of discussions.

The participation in the workshop is by invitation only.

Please register your participation at this link: [REGISTRATION FORM](#).

Tentative agenda:

Workshop start: 11th October @ 13:00, networking dinner included

Workshop end: 12th October @ 13:30



Background of the Workshop

IEA Bioenergy Task 43 addresses issues critical to mobilizing sustainable bioenergy supply chains, including all aspects of feedstock production, its markets and environmental, social and economic impacts. The objective is to promote sound bioenergy development that is driven by well-informed decisions by landowners, businesses, governments and others. The Task has a global scope and includes commercial, near-commercial and promising feedstock production systems in agriculture and forestry. The primary focus is on land use and land management of biomass production systems.

The Work Programme is organized in three work packages:

- 🌿 WP1 - Landscape management and design for bioenergy and the bio-economy;
- 🌿 WP2 - Developing effective supply chains for sustainable bioenergy deployment; and
- 🌿 WP3 - Governance of bioenergy supply chains.

The Task collects, analyses, and shares technical and non-technical information related to biomass feedstock supply and provides relevant actors with timely and topical analyses, syntheses and information. Workshops, seminars and other events are regularly arranged and specific Task studies are conducted to analyse topics identified as important by the Task.

Landscape management and design for bioenergy and the bio-economy

Bioenergy implementation requires strategies for efficient use of biomass from sustainably managed landscapes. Formulating such strategies requires knowledge in how landscape management and land use decisions affect biodiversity and the capacity of ecosystems to provide biomass and other ecosystem services.

Task 43 aims at supporting landscape management and design for bioenergy and the bioeconomy, by expanding the knowledge base required for sustainable expansion of biomass production systems that also contribute positively to biodiversity and the generation of other ecosystem services.

The Task takes a landscape level approach to deployment of biomass production for bioenergy and integration of this objective with ownership and societal objectives for existing land use and associated systems. The below overarching questions are addressed, which are relevant for both agricultural and forestry systems and reflect that agriculture and forestry activities often co-exist and shape the landscape together:

- 🌿 Which are the most suitable areas for production and/or extraction of various biomass feedstocks?
- 🌿 How can biomass feedstock production systems be located, designed and managed to increase resource use efficiency, avoid/mitigate negative and promote positive environmental, economic, and social effects?
- 🌿 How can outcomes be optimized to meet the goals of individual stakeholders and society as a whole, including environmental, economic, and social goals?
- 🌿 How can analysis and assessment inform participatory processes engaging landowners, policy makers, and other stakeholders in further developing and re-defining goals and plans for landscape management and designs?



This workshop will bring together efforts of various stakeholders in bioenergy world in promoting integrated food-energy systems that work for people and the climate. The objective is to disseminate attractive examples among bioenergy market stakeholders fostering wider implementation.

Aim

The workshop aims at:

- 🌿 Sharing experiences and knowledge among
- 🌿 Exchanging worldwide concepts, programmes and projects with high replicability potential
- 🌿 Identifying similarities and differences between different biomass supply chains and stakeholders' roles
- 🌿 Inspiring novel solutions that will accelerate promotion of efforts within policy makers

The contributions from the workshop will be presented in a Report published by IEA Bioenergy.

Selected contributions will be invited to submit a manuscript for a Special Collection in the peer review journal WIREs Energy and Environment, published by Wiley.