

## Sustainable Landscape Management for Bioenergy and the Bioeconomy

Joint IEA Bioenergy Task 43 & FAO Workshop, 11-12<sup>th</sup> October 2018, The FAO Headquarters, Viale delle Terme di Caracalla, Rome, Italy

IEA Bioenergy Task 43 has launched an initiative to identify attractive examples of landscape management and design for bioenergy and the bioeconomy. 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 organized as part of the [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 by placing the discussion of biomass feedstock systems within the broader bioeconomy. The attractive examples selected for this workshop show how biomass can be produced together with food and other products in sustainably managed landscapes. This is a highlight topic of the workshop host, the Food and Agriculture Organisation of the United Nations, as described at [the Energy-Smart Food for People and Climate Programme \(ESF Programme\)](#).

**The aim of the workshop is to provide a platform for a dialogue between stakeholders along biomass supply chains where invited representatives from important organizations will share their perspectives on the showcase examples and landscape management and design for bioenergy and the bioeconomy.**

**The workshop will mix presentations of attractive examples and work in groups to identify opportunities and tradeoffs along biomass supply chains and frameworks for identifying and supporting attractive examples of landscape management and design for bioenergy and the bioeconomy.**

**The outcome of the workshop will be a report summarizing presentations and outcomes of the group discussions.**



## Agenda

13:00 – 13:20	<b>Registration and introduction</b>
	<ul style="list-style-type: none"> <li>🌿 FAO: welcome</li> <li>🌿 Dimitriou: Welcome to IEA Bioenergy Task 43 workshop</li> </ul>
13:20 – 13:40	<ul style="list-style-type: none"> <li>🌿 Dubois: <a href="#">The Energy-Smart Food for People and Climate Programme</a> (ESF Programme)</li> <li>🌿 Berndes: WP1 Landscape management and design for bioenergy and the bioeconomy</li> <li>🌿 Kulisic: Sustainable Landscape Management for Bioenergy and the Bioeconomy workshop format</li> </ul>
13:40 - 14:30	<ul style="list-style-type: none"> <li>🌿 Introduction of stakeholders (3' per stakeholder)</li> </ul> <p><i>Introduction will be moderated by Kulisic showing a power point slide with a name and affiliation of a stakeholder. The stakeholder will have 3 minutes to share the view and focus on biomass in bio-based economy from the activities within their affiliation.</i></p>
14:30 – 14:45	Coffee/tea break
14:45 – 16:30	<b>Section 1 (45' presentations; &lt;60'work in groups)</b> <ul style="list-style-type: none"> <li>🌿 FAO (Maltsoglou I.): Assessment of residue availability in Turkey and Egypt and how the competing use of residues aspect was accounted for – through the BEFS RA methodology</li> <li>🌿 Bentsen N.S.: Grass based biorefinery systems producing biofuels/biomaterials/feed</li> <li>🌿 Kline K.&amp; Negri C.: Implementing bioenergy at the landscape level to reduce land use impacts and improve resource use efficiency?</li> <li>🌿 Moderated discussion</li> </ul> <p><i>Work in groups will investigate the positions of each stakeholder of the presented landscape management for bioenergy and bioeconomy – starting from production to energy consumption.</i></p> <p><i>Participants will be organized in groups. For each group, a moderator and a rapporteur are assigned from IEA Bioenergy experts. After solving the task in H form, the groups are moving in a carrousel style from table to table, clock-wise.</i></p> <p><i>After the bell, the work stops, stakeholders move to the next table while the moderator and the rapporteur prepare a new sheet of H form with the same question for the group to come.</i></p>
16:30 – 16:45	Coffee/tea break
16:45 – 18:30	<b>Section 2 (45' presentations; &lt;60'work in groups)</b> <ul style="list-style-type: none"> <li>🌿 Skeer J &amp; Armitage Ch. (IRENA&amp;ICRAF): A set of integrated practices: a multi-faceted market-led approach to improving food and energy security and adaptation to climate change, which incorporates alley cropping of <i>Gliricidia sepium</i> into small-scale maize farming systems in Zambia</li> <li>🌿 FAO (Dubois O.): Water-energy-food nexus in bioenergy-landscapes</li> <li>🌿 Bezzi G. et al: Biogas done right</li> <li>🌿 Moderated discussion as in Section 1</li> </ul>
<b>END OF DAY 1</b>	
<b>20:00 dinner</b>	
<b>DAY 2: 12 Oct 2018</b>	
09:00 – 10:00	<p>Reporting back of the Sections 1&amp;2 and introduction to the Day 2</p> <p><i>Rapporteurs of different groups will report by showing on a slide the fairness position of a stakeholder in question, organizing the fairness, unfairness and solution in 3 columns – detecting frequency, outliers, pattern – 5' per stakeholder.</i></p>
10:00 – 10:15	Coffee/tea break
10:15 – 12:00	<b>Section 3 (45' presentations; &lt;60'work in groups)</b>

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	<ul style="list-style-type: none"><li>🌿 Dale V. et al: Cellulosic-based biofuels are strengthening rural investment and development in the United States</li><li>🌿 FAO (Colangeli M.): Web-based sustainability assessment tools for Bioenergy projects on underutilized lands in Europe</li><li>🌿 Thiffault E. et al: Opportunities for making use of unloved wood</li><li>🌿 Moderated discussion as before in Section 1 and 2</li></ul>
12:00 – 13:00	Lunch break
13:00 – 15:00	Section 4 Where to move from here? <ul style="list-style-type: none"><li>🌿 Reporting back of the Section 3 (10')</li><li>🌿 Plans forward – FAO (O. Dubois) (15')</li><li>🌿 Plans forward – new triennium of IEA Bioenergy (M. Brown &amp; G. Berndes) (15' + 15')</li><li>🌿 Stakeholders' ideas on collaboration opportunities (3' each) (60')</li><li>🌿 Wrap up (I. Dimitriou &amp; O. Dubois) (5')</li></ul>
<b>END OF DAY 2</b>	

