

Seventh Session of the IRENA Assembly**Thematic side-meeting****13 January 2017, 11.00 – 13.00****St. Regis Hotel, Saadiyat Island, Abu Dhabi****Bioenergy's Role in Doubling Renewable Energy Supply**

Bioenergy accounts for half of the cost-effective potential for doubling the renewable share of energy supply by 2030. Therefore, IRENA has devoted considerable effort to assess sustainable biomass resource options, cost-effective bioenergy technology pathways, and strategies for bioenergy scale-up. During this event, the results of IRENA's bioenergy work will be presented, and additional activities will be proposed for discussion.

Part I: Sustainable Bioenergy Potential

There is great potential for the sustainable intensification of land use – higher crop yields, reduced food waste, systematic collection of farm and forest residues, and replanting of degraded and neglected land – to boost bioenergy production alongside greater fuel production and increased carbon sequestration. This session will set forth a paper on *Sustainable Approaches to Expansion of Bioenergy*, which IRENA has developed jointly with the Bioenergy Technology Collaboration Programme of the International Energy Agency (IEA), UN Food and Agricultural Organization (FAO) and other partners. A discussion of priority policies and actions will focus on how to harness enough of the potential to meet climate and energy access goals in the face of concerns over food requirements and environmental protection.

Part II: Bioenergy Technology Pathways and Scale-up Tools

This session will present IRENA's work on cost-effective technologies for bioenergy conversion and successful strategies for bioenergy scale-up. Recent work will be highlighted, and proposed work outlined. Participants will be invited to provide their feedback and suggest additional projects.

Draft Agenda

<i>PART I: SUSTAINABLE BIOENERGY POTENTIAL</i> Welcome Remarks Sakari Oksanen <i>Deputy Director-General, IRENA</i> Presentation of Sustainable Approaches to Bioenergy Expansion Jeffrey Skeer <i>Senior Programme Officer, Technology Cooperation, IRENA</i> Discussion of Sustainable Approaches to Bioenergy Expansion <i>With Invited Panel:</i> Olivier Dubois, Energy Programme Leader, UN Food and Agriculture Organization Jim Spaeth, Deputy Executive Committee Chair, IEA Bioenergy Gerry Ostheimer, Global Lead, Sustainable Bioenergy Group, SE4All	11:00 – 12:00
<i>PART II: BIOENERGY TECHNOLOGY PATHWAYS AND SCALE-UP TOOLS</i> Introduction to Three Pillars of IRENA Bioenergy Activity Dolf Gielen <i>Director, IRENA Innovation and Technology Centre</i> Demonstration of Bioenergy Simulator for Choosing the Best Crop Mix Nicolas Fichaux <i>Programme Officer, Resource Assessment, IRENA</i> Project Navigator Module for Heat and Power from Solid Biofuels Simon Benmarraze <i>Analyst, Project Navigator, IRENA</i> Discussion of Proposed Bioenergy Work Scope <i>With IRENA Staff, Invited Panel and Members</i>	12:00 – 13:00

For more information, please contact:
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