

**IRENA events at the Sixth session of the  
World Future Energy Summit (WFES)**

**Transforming the Transport Sector:**  
**IRENA Innovation Technology Outlook for Advanced Biofuels**

**Tuesday, 19 January 2016, 16.00– 17.30**

**Venue:** ADNEC – Capital Suite 14

**Abstract:**

**IRENA Innovation Technology Outlook** analyses the new technology developments, which can emerge in the next three decades, making renewable energy technologies (RET) be competitive solutions in current markets and energy systems. A number of renewable energy based technologies, infrastructure, applications and products are analysed in **IRENA Innovation Technology Outlook**, with puts together a series of publications: ocean energy technologies, mini-grids, offshore wind energy technology and advanced biofuels are the first publications in this series. One of the areas of analysis is how to further enhance the competitiveness of renewable energy-based solutions. Thus, **IRENA Innovation Technology Outlook** identifies technology-related challenges that should be overcome and assesses potential breakthroughs and research needed to scale-up the deployment of these solutions.

**IRENA Innovation Technology Outlook for Advanced Liquid Biofuels** is aimed at a wide range of stakeholders, including policy-makers and investors, as well as project and technology developers worldwide. This report looks at advanced biofuel technology opportunities, by presenting an overview of advanced biofuels, a comparative assessment of advanced biofuel pathways, technical and non-technical barriers and needs and innovation prospects and strategies in the next thirty years. This presentation on the current and prospected landscape of advanced biofuels will be complemented with talks on the **R&D carried out in laboratories**, as well as the **industry experiences implemented in markets**. International experts from research institutions and from the private sector, respectively, will illustrate these talks with their hands-on experience and existing examples.

The side-event will serve as a platform to:

- discuss effective support to advanced biofuels for a transition towards a sustainable energy system in the transportation sector,
- promote IRENA Innovation Technology Outlook and present preliminary results of IRENA Innovation Technology Outlook for Advanced Liquid Biofuels to an audience of experts and policy-makers,
- strengthen networking with stakeholders of advanced biofuels, mainly in public policy and road and aviation private sectors, but also research institutions and laboratories.

**Agenda:**

<b>Transforming the transport sector</b> <b>IRENA Innovation Technology Outlook for Advanced Liquid Biofuels</b>		
<b>Opening session</b>	5 minutes	Sakari Oksanen, IRENA Deputy Director-General
Presentation of IRENA Innovation Technology Outlook for Advanced Liquid Biofuels	20 minutes	Francisco Boshell and Maria Ayuso (IRENA)
R&D on Feedstock for Advanced Biofuel Production	20 minutes	Alejandro Ríos, Director of Sustainable Bioenergy Research Consortium, Masdar Institute of Science and Technology
Industry Experience: Investing and Deploying Advanced Biofuels in Current Markets	20 minutes	Linden Coppel, Head of Sustainability, Etihad Airways
<b>Q&amp;A</b>	20 minutes	
<b>Wrap-up and Closing Session</b>	5 minutes	Sakari Oksanen, IRENA Deputy Director-General