

**International Conference on Sustainable Biofuels 2018**  
**"A joint event of Mission Innovation and Biofuture Platform"**

**Program (February 26-27)**

<b>Day 1</b>	<b>February 26</b> <b>Stein Hall, India Habitat Centre</b>
<b>Time</b>	
<b>9:00-10:00</b>	<b>Registration</b>
<b>10:00-11:00</b>	<p><b>Opening Ceremony</b></p> <ul style="list-style-type: none"> <li>• Welcome by Dr. Renu Swarup, Senior Adviser / Scientist 'H', Department of Biotechnology, Government of India, India</li> <li>• Perspectives from Mission Innovation, Ms. Sarah Webb, Mission Innovation Secretariat, United Kingdom</li> <li>• Perspectives from Biofuture Platform, Mr. J. Antonio Marcondes, Ambassador, MoFA, Biofuture Platform, Brazil</li> <li>• Address by Prof. Ashutosh Sharma, Secretary, Department of Biotechnology &amp; Department of Science and Technology, MoS&amp;T, India</li> <li>• Keynote Address by Shri. V.K. Saraswat, Member, National Institution for Transforming India (NITI) Aayog, Government of India, India</li> <li>• Inaugural Address by Chief Guest, Dr. Harsh Vardhan, Minister for Science &amp; Technology, Earth Sciences and Environment, Forest &amp; Climate Change, Government of India, India</li> <li>• Vote of Thanks by Dr. Sangita Kasture, Joint Director / Scientist 'E', Department of Biotechnology, Government of India, India</li> </ul>
<b>11:00-11:30</b>	<b>Coffee Break &amp; Inauguration of Exhibition by Chief Guest at Charminar Hall</b>
<b>11:30-12:15</b>	<p><b>Chair:</b> Renu Swarup, Sr. Adviser / Scientist 'H', Department of Biotechnology, India</p> <p><b>Plenary Talk: Advance Biofuels : Pathways to decarbonise transport fuels</b></p> <ul style="list-style-type: none"> <li>• Jack Saddler, Professor, University of British Columbia (UBC), Canada</li> </ul>
<b>12:15-13:30</b>	<p><b>Session II: National Perspective on Sustainable Biofuel Innovation Challenge &amp; Collaboration Opportunities</b></p> <p><b>Chair:</b> Sarah Webb: Mission Innovation Secretariat Head, United Kingdom</p> <p><b>Presentation by Co-leads (10 minutes each)</b></p> <ul style="list-style-type: none"> <li>• <b>Brazil :</b> Artur Milanez, Manager, Brazilian Development Bank BNDES</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Canada:</b> Preto Fernando, Executive Director, Natural Resources Canada, NRC-CANMET</li> <li>• <b>China :</b> XU Jingliang, Professor, Guangzhou Institute of Energy Conversion GIEC</li> <li>• <b>India:</b> Sangita Kasture, Joint Director / Scientist ‘E’ Department of Biotechnology DBT</li> <li>• <b>Brazil:</b> Renato Godinho, Head, Division of New And Renewable Energy Sources Biofuture Platform</li> </ul>
13:30-14:30	<p align="center"><b>Networking Lunch</b></p>
14:30-16:00	<p><b>Session III: Technology Development and Need for Innovation</b></p> <p><b>Chair -</b> K.T. Shanmugam, Professor, University of Florida, USA</p> <p><b>Technical Speakers (10 minutes each)</b></p> <ul style="list-style-type: none"> <li>• SSV Ramakumar : Director (R&amp;D), Indian Oil Corporation Limited, IOCL , India</li> <li>• Hans van den Hombergh : Commercial Director, Royal DSM Netherlands</li> <li>• Arvind Lali : Professor, DBT-ICT Centre, India</li> <li>• Vasudeo Joshi: Vice President - Advance biofuels &amp; chemicals, Praj Industries, India</li> <li>• Jarmo Heinonen : Director Bioeconomy and Cleantech, Business Finland, TEKES, Finland</li> </ul>
16:00-16:30	<p align="center"><b>Coffee Break</b></p>
16:30-18:00	<p><b>Session IV : Global Status of Biofuel Technologies &amp; National Perspective</b></p> <p><b>Moderator:</b> Adam Brown : Senior Consultant International Energy Agency, IEA, France</p> <p><b><u>Lead Talk</u> :</b> Duncan Akporiaye : Director, SINTEF Energy, Norway (10 minutes )</p> <p><b>Presentations by Country Representatives of Sustainable Biofuel Innovation Challenge (SBIC) &amp; Biofuture Platform (8 minutes each)</b></p> <ul style="list-style-type: none"> <li>• <b>European Commission:</b> Policy Officer -Directorate-General for Research and Innovation - Directorate for Energy - Unit for Renewable Energy resources: Dr Maria Georgiadou</li> <li>• <b>Brazil :</b> Director General for Biofuels MME : Miguel Ivan Lacerda de Oliveira</li> <li>• <b>Mexico :</b> Director of Innovations, Ministry of Energy: Edgar Santoyo- Castelazo</li> <li>• <b>Paraguay :</b> Director of Alternative and Renewable Fuels - Ministry of Industry and Commerce : Gustavo Collar Benavente</li> <li>• <b>Sweden :</b> Counsellor – Innovation and Science, Embassy of Sweden : Ms Maria Lunander</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>IEA Bioenergy Technology Cooperation Programme:</b> Chief Executive Officer, Netherland Enterprise Agency : Kees Kwant</li> <li>• <b>International Renewable Energy Agency (IRENA): (5 minutes each)</b></li> <li>• Deputy Director General : Sakari Oksanen &amp;</li> <li>• Senior Programme Officer - Technology Cooperation : Jeffrey Skeer</li> <li>• <b>Below50/SE4ALL</b> : Global Lead for Sustainable Bioenergy, Gerard Ostheimer</li> </ul> <p><b>Discussion</b></p>
<b>18:00 -19:00</b>	<p><b>Networking Tea / Coffee</b></p> <p><b>Closed Door Meeting : Discussion about Draft New Delhi Declaration by Co-Lead Countries, MI SBIC Countries and Biofuture Platform</b></p>
<b>19:30 onwards</b>	<p><b>Cultural Program / Conference Dinner (Silver Oak, India Habitat Centre)</b></p>



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Day 2	February 27 Stein Hall, India Habitat Centre
Time	
09:30-11:00	<p><b>Session I: Sustainable Biofuels-Technology Scale up opportunities</b> <b>2G Ethanol, Enzymes and Feedstock Sustainability , LCA</b></p> <p><b>Moderator(s):</b> Anjan Ray : Director CSIR-Indian Institute of Petroleum, CSIR-IIP India</p> <p><b>Lead Talks: (10 min each)</b></p> <ul style="list-style-type: none"> <li>• Pasi Rouso : President, Chempolis, Finland</li> <li>• GS Krishnan : Managing Director, Novozymes South Asia Pvt. Ltd. India</li> </ul> <p><b>Panellists :</b></p> <ul style="list-style-type: none"> <li>• Anil Pande : Executive Director Hindustan Petroleum Corporation Limited (HPCL), India</li> <li>• Antonio Alberto Stuchi : Director Raizen Energia, Brazil</li> <li>• Myrsini Christou : Head, Center for Renewable Energy Sources and Saving ( CRES), Greece</li> <li>• D. K. Tuli : DBT Energy Biosciences Chair : Bio-Energy Research (BERC) India</li> <li>• S.S. Yazdani : Coordinator- DBT-ICGEB Advanced Bioenergy Research International Centre for Genetic Engineering and Biotechnology, (ICGEB) India</li> </ul> <p><b>Open House Discussions</b></p>
11:00-11:30	<b>Coffee Break</b>
11:30-13:00 (***)	<p><b>Session II : Advanced Biofuel Options</b> <b>Algal, Bio-Hydrogen, Drop-in fuels, Bio-Butanol, Systems and Synthetic Biology</b></p> <p><b>Moderator :</b> Preto Fernando, Executive Director, Natural Resources Canada (NRC-Canmet) Canada</p>

	<p><b>Lead Talks : (10 minutes each)</b></p> <ul style="list-style-type: none"> <li>• Jennifer Holmgren : Chief Executive Officer, Lanzatech, USA</li> <li>• Simon McQueen-Mason : Professor, York University, United Kingdom</li> </ul> <p><b>Panellist:</b></p> <ul style="list-style-type: none"> <li>• Pramod P. Wangikar : Professor, Indian Institute of Technology, Bombay { IIT(B)} India</li> <li>• Ramesh Bhujade : Vice President, Process Engineering : Reliance Renewable India</li> <li>• Ivo Fouto : Chief Executive Officer, Cenerbio, Brazil</li> <li>• Laxmi Narasimhan : IH2 Advocacy Lead, Shell India Markets Pvt Limited, India</li> <li>• Dave Cepla : Senior Director, Honeywell UOP, USA</li> </ul>
13:00-14:00	<b>Lunch</b>
14:00-15:00	<p><b>Session III : Policy support for commercialization</b></p> <p><b>Chair</b> : Renu Swarup, Senior Adviser / Scientist ‘H’, Department of Biotechnology, Government of India, India</p> <p><b>Co-Chair</b> : Jose Antonio Marcondes de Carvalho Ambassador, Ministry of Foreign Affairs, Brazil</p> <p><b>Lead Speaker:</b> Sandeep Poundrik, Joint Secretary (Refineries) : Ministry of Petroleum and Natural Gas, Government of India, India</p> <p><b>Panellist:</b> Members from MI Countries and Industry</p> <ul style="list-style-type: none"> <li>• Rasmus Valanko : Director, Climate and Energy World Business Council for Sustainable Development (WBCSD) Switzerland</li> <li>• Plinio Nastari : President, Datagro Expert Consultancy &amp; Councilor National Council for Energy Policy (NCEP) Brazil</li> <li>• Maria Georgiadou : Policy Officer : Directorate-General for Research and Innovation - Directorate for Energy - Unit for Renewable Energy resources : European Commission</li> <li>• Y.B. Ramakrishna : Chairman ,Working Group Biofuels, Ministry of Petroleum and Natural Gas, (MoPNG) India</li> </ul>
15:00-15:15	<b>Announcement of Delhi Declaration: Co-Leads Focal Points and Biofuture Platform Facilitator(s) : Brazil Canada China India</b>
15:15: 15:30	<b>Coffee Break</b>
15:30-16:30	<p><b><u>Wrap up Sessions</u></b></p> <p><b>National Perspective on Sustainable Biofuel Innovation Challenge &amp; Collaboration Opportunities</b> : Sarah Webb : Mission Innovation Secretariat Head United Kingdom</p> <ul style="list-style-type: none"> <li>• <b>Technology Development and Need for Innovation:</b></li> </ul>

K.T. Shanmugam, Professor, University of Florida, USA

- **Global Status of Biofuel Technologies & National Perspective:**

Adam Brown : Senior Energy Analyst International Energy Agency, IEA, France

- **Sustainable Biofuels-Technology Scale up opportunities : 2G Ethanol, Enzymes and Feedstock Sustainability, LCA:** Anjan Ray : Director CSIR-Indian Institute of Petroleum, CSIR-IIP India
- **Advanced Biofuel Options :Algal, Bio-Hydrogen, Drop-in fuels, Bio- Butanol, Systems and Synthetic Biology :** Preto Fernando, Executive Director, Natural Resources Canada (NRC-Canmet) Canada
- **Policy support for commercialization:** José Antonio Marcondes de Carvalho, Undersecretary for Environment, Energy, Science and Technology, Ministry of Foreign Affairs, Brazil
  
- **Summing Up Remarks:** Country Representation by Co-Leads : Brazil, Canada China India
- **Closing Remarks** : Renu Swarup, Sr. Adviser/ Scientist 'H', Department of Biotechnology, DBT India
- **Vote of Thanks** : Sangita Kasture, Joint Director / Scientist 'E', Department of Biotechnology, DBT India

#### Meeting Concludes

\* The Conference Exhibition will run concurrently at Charminar Hall which will have participation of all the MI Countries.

\*\* An optional site visit on 28<sup>th</sup> Feb, 2018 is being arranged for a 2G Demo Plant for the interested delegates.

\*\*\* Co-lead country reps to discuss & finalise draft of New Delhi Declaration

