

# Joining hands to scale up:

*The Biofuture Platform targets and actions and  
IRENA's work on bioenergy*

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**biofuture platform**

Kickstarting a global, advanced bioeconomy



First, some background about the Biofuture Platform...





## **20 countries launch the Biofuture Platform at COP22**











Launch event also attended by heads and top-level representatives of FAO, IEA, IRENA, UNIDO, SE4ALL and of private sector organizations such as the WBCSD, UNICA, ABBI.



# Biofuture Platform Launch Statement

*"There is an evident need for a more consistent international collaboration and dialogue to help fulfill the social and economic potential of advanced low carbon fuels and the new bioeconomy"*

*"The countries here represented have decided to join efforts in a new government-led, multi-stakeholder Biofuture Platform designed to promote international coordination on advanced low carbon fuels and bioeconomy development. "*



# Biofuture Member Countries



- Argentina • Brazil • Canada • China • Denmark • Egypt • Finland
- France • India • Indonesia • Italy • Morocco •
- Mozambique • Netherlands • Paraguay • Philippines •
- Sweden • United Kingdom • United States • Uruguay











# First All-Member Meeting of the Biofuture Platform (Abu Dhabi January 19th, 2017)





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# Biofuture Platform – first activities

- International policy conferences: promote dialogue, exchange, policy convergence, collaboration
  - Launch of a Declaration on the bioeconomy to provide strong signal to markets. Proposed title: "Scaling-up the low carbon bioeconomy: an urgent and vital challenge “
  - Preparation of the 1<sup>st</sup> “Biofuture State of the Low Carbon Bioeconomy Report”
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# 2017-2018 Events

- *Biofuture/Mission Innovation CEM8 side event (Beijing, June 8, 2017)*. Highlighting the role of the bioeconomy in a clean energy future.
  - *Biofuture Summit (São Paulo, October 24-25, 2017)*. Exchange national policy experiences.
  - *Biofuture@COP23 High-Level Side event (Bonn, Nov 16, 2017)*. Stocktaking 1 year after launch, endorsement of the Biofuture Declaration.
  - *2018 Biofuture Conferences: New Delhi, India (26-27 February 2018, with MI/SBIC), Italy (May 2018), San Francisco, US (November 2018)*.
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REGISTER

THE EVENT

THE PROGRAM

PHOTOS AND SLIDES

THE SPEAKERS

THE HOSTS

# BIOFUTURE SUMMIT 2017

October 24-25, 2017 | Hotel Estanplaza International | São Paulo, Brazil

**52 speakers and authorities,  
more than 400 registered participants from 26 countries**

[www.biofuturesummit.com](http://www.biofuturesummit.com)



# I Biofuture Summit



São Paulo, October, 24th and 25th 2017



# State of the Bioeconomy Report

- Highlight policies, production, technologies, institutions in the bioeconomy, help diagnose the way forward
- Based on survey to be filled by 26 countries and the EC. Survey work was done jointly by Biofuture Platform and Mission Innovation, with support provided by IRENA, IEA and IEA Bioenergy, among others.
- Carbon Trust and Way Carbon won bid to prepare a first draft report and have already started work.
- Final report to be reviewed and issued by the countries themselves. Launch intended for Nov/2018















**Biofuture@COP23, Bonn, Nov 16, 2017, Launch of the Vision Statement**

**Major countries agree to scale up the low carbon bioeconomy and develop sustainable biofuels targets**



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# Vision Statement

- Provides context on the need to accelerate the bioeconomy in face of climate/energy models and scenarios, with emphasis on the transport sector
  - Sets a vision and aspirational targets for the kind of growth needed by 2030 and beyond.
  - Spurs change by listing a key examples of the kinds of policies and actions that could be deployed in order to make the targets become a reality in the desired timeframes.
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# Scaling-up the low carbon bioeconomy: an urgent and vital challenge

Ministers and high-level representatives of Argentina, Brazil, Canada, China, Denmark, Egypt, Finland, France, India, Indonesia, Italy, Morocco, Mozambique, Netherlands, Paraguay, Philippines, Sweden, United Kingdom and Uruguay gathered together on November 16, 2017, in Bonn, Germany, and stated the following:

## **Context**

1. The overarching vision behind the formation of the Biofuture Platform is to increase the use of low carbon sources (i.e.











sustainable biomass) to become the feedstock for the production of energy, chemicals and materials. In the not-so-distant past, the world relied almost entirely on renewable resources, including biomass, for food, energy, and shelter. We ask you to envision a future where this is once again true – many modern needs including plastics, materials of construction and clothing can be met by biomass. It has been estimated that, by 2050, half of world's chemicals and materials could be produced from renewable resources.



# Biofuture Vision Statement – Rationale for Targets

## Vision and Aspirational Targets – Rationale (IEA Bioenergy Technology Roadmap)











7. *According to the best available projections by international agencies such as the IEA and IRENA, by 2030 there will need to be a widespread increase in the production and use of sustainable biofuels and bioproducts, with significant progress by 2020, including at least a doubling of the contribution of sustainable modern bioenergy to final energy demand and a tripling of the share of sustainable, low carbon fuels as a percentage of transport fuels, including sea and air transport.*





# Biofuture Vision Statement - Targets

## Vision and Aspirational Targets

- Significantly increase the contribution of sustainable modern bioenergy to final energy demand.
  - Significantly increase the share of sustainable, low carbon biofuels as a percentage of transport fuels (including sea and air transport).
  - Progressively increase the average lifecycle carbon savings from biofuels production compared to fossil fuels.
  - Bring down the costs of sustainable, low carbon biofuels so that they become broadly cost competitive with oil when the value of the carbon savings are taken into account).
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# Biofuture Vision Statement - Targets

## **Vision and Aspirational Targets (continued)**

- Contribute to the significantly increase global investments in bioenergy and bio-based products.
- Multiply the expenditure by governments and industry on research and innovation in the bioeconomy













# Biofuture Vision Statement - Actions

The range of possible actions needed by the different stakeholders includes:

By governments:

- Provide supporting policies, programmes and regulatory frameworks to enable the development and deployment of sustainable biofuels and bio-products.

Examples:

- Market (demand push): National targets/mandates; national procurement; incentive regimes tied to carbon savings; carbon pricing; promote trade and standards
  - Supply push and integration: R&D and demonstration support; targeting early stage technologies; building integrated value chains; circular economy; capacity building and training
  - Sustainability and feedstocks: ; smart agricultural policies; energy crops; better use of waste; feedstock management policies; practical and science based sustainability frameworks.
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# Biofuture Vision Statement - Actions











## By industry:

- Increase investment in development and innovation to foster the competitiveness of bioenergy and bioproducts
- Become users of advanced bioproducts when performance specifications are achieved and products are competitive

## By the finance community :

- Greatly increase priority given to low carbon sustainable bioeconomy projects as a key part of renewable energy, climate change mitigation and "green" financing portfolios
- Deploy loan guarantees and other financial instruments

## By the research community:

- Lead high quality research in bio-based processes, and products, as well as conversion and utilization systems optimized for bioenergy.
  - Support policy design by government and provide high quality evidence and analysis relating to sustainability.
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# Biofuture Vision Statement – Next Steps












The Biofuture Platform shall undertake a detailed analysis, including recent and upcoming data and reports, in order to:

- a) work towards specific targets;
- b) devise an action plan outlining detailed actions to work towards achieving the targets; and
- c) develop a reporting mechanism to track progress.



# Biofuture's next steps and the role of IRENA

Proposed new areas for IRENA's bioenergy work in connection with the Biofuture Platform:

- A) Organizing one or more workshops, maybe in collaboration with the IEA, specifically on the preparations of bioenergy targets and an action plan for the Biofuture Platform
  - B) Elaborate information and analysis to support this debate building on IRENA's work on REMap for bioenergy and its work in partnership with IEA Bioenergy, FAO and others in feedstock potential for bioenergy.
  - C) Support the monitoring mechanism called for in the Biofuture Declaration
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Thank you very much!

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