

# Biofuture Platform & Campaign Introduction

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*Gerard Ostheimer*

*Biofuture Campaign*

Co-Manager

A government-led, multi-stakeholder initiative designed act on climate change and support the SDGs by promoting international coordination on the sustainable low-carbon bioeconomy.

- 2016 Established at the COP 22 climate talks in Marrakesh. Chaired by Brazil
- 2019 IEA became the Facilitator
- 2020 Biofuture Platform joined the Clean Energy Ministerial as an Initiative at CEM11
- 2021 USA became the Chair of the Biofuture Platform at CEM12
- 2021 CEM Biofuture Campaign launched at CEM12
- 2021 Workstream started on Biomass Quantification and Sustainability Governance
- 2022 *CEM13 to be hosted by the USA September 22 – 24, 2022 in Pittsburgh, PA*

## MEMBER COUNTRIES

**Argentina • Brazil • Canada • China • Denmark • Egypt • Finland • France • Hungary  
India • Indonesia • Italy • Morocco • Mozambique • Netherlands • Paraguay • Philippines  
Portugal • South Africa • United Kingdom • United States • Uruguay**

## STRATEGIC GOALS


- 1. Forge consensus on biomass sustainability, availability, and governance***
2. Promote policy best practices and convergence
3. Enable supportive financing mechanisms (e.g., Climate Finance)
4. Promote Technology Cooperation



## New Conventional Wisdom<sup>1</sup> regarding the relationship between Biomass, the Energy Transition, and the Circular Economy

- There IS such a thing as sustainable biomass
- But biomass is in very limited supply
- Society must think very hard about how we use this very limited resource
- Society should decide NOW that biomass is only for SAF and chemicals

<sup>1</sup> Not including the entrenched positions regarding forest biomass

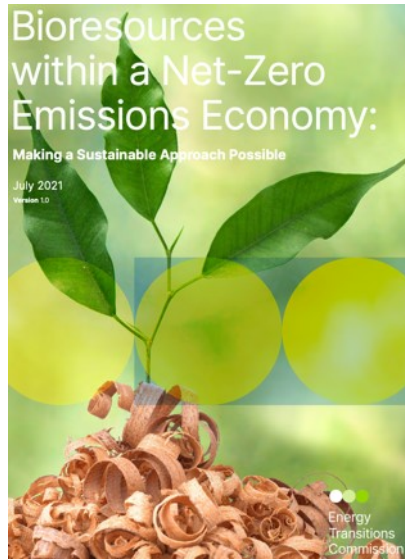


## New actors are a boon and a challenge

- Aviation, Shipping, and Chemicals are doing their own evaluations of biomass availability and sustainability
- Each sector needs to translate IEA Bioenergy work for its own community
- Opportunity to break out of old paradigms regarding availability and sustainability
- Opportunity for out-of-date arguments to be resuscitated

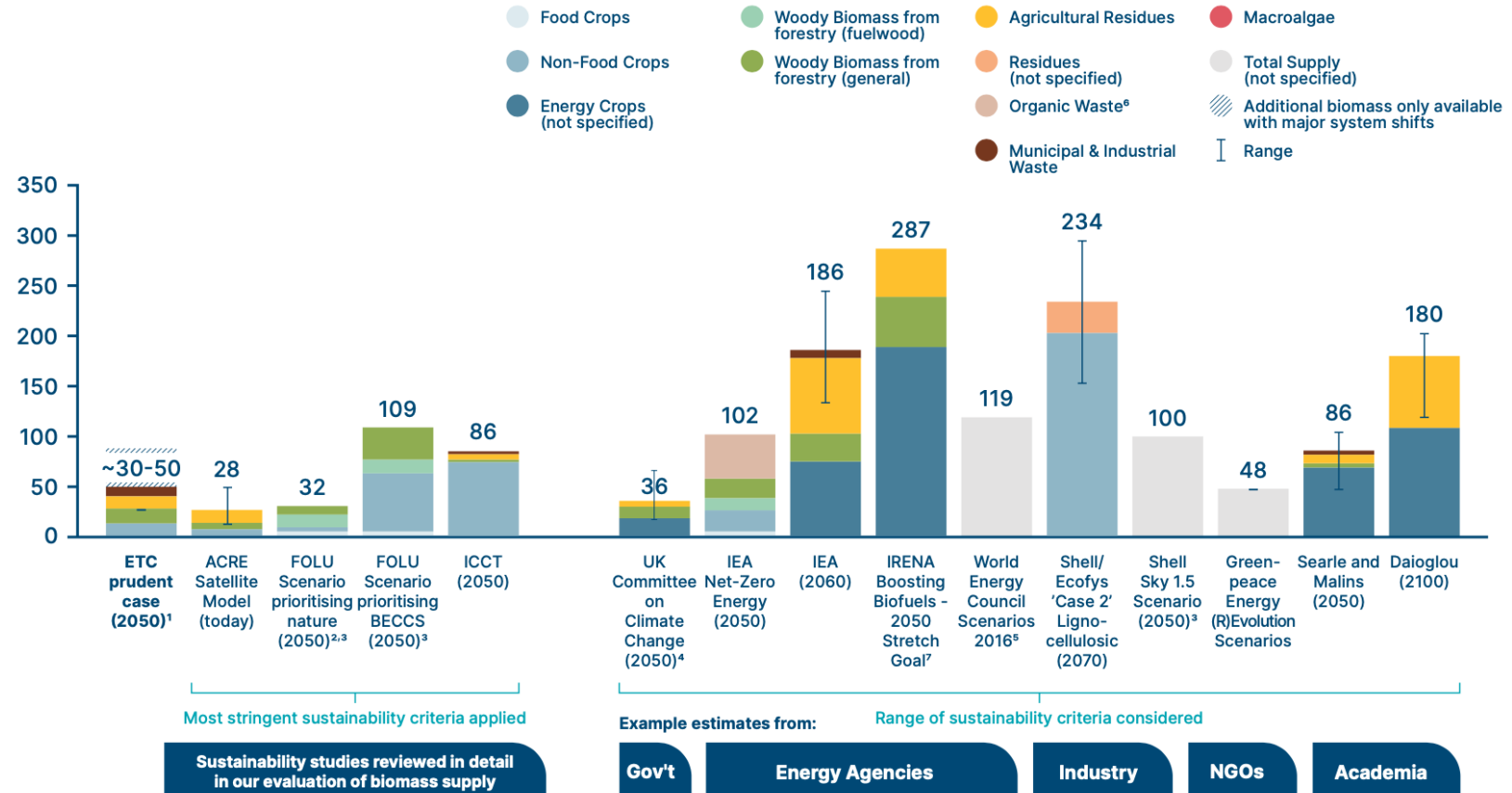


It is difficult to pre-determine markets for sustainable bio-based products when their supply is unknown.



## ETC estimate is consistent with sustainability-focused estimates but lower than many others due to different assumptions around land use and sustainability trade-offs

Total global biomass supply (primary energy)  
EJ/year



## MISSION

- Convene stakeholders to develop evidence-based understandings of sustainable bio-based feedstock availability, in order to de-risk investments in sustainable biomass supply chains

## DELIVERY

- CEM13 September 2022 Pittsburgh, USA

## SCOPE

- Convene stakeholders to develop evidence-based understandings of sustainable bio-based feedstock availability
- Document conditions required for biomass feedstocks to provide fuels, chemicals, and materials to drive impactful reductions in GHG emissions while generating jobs and rural prosperity
- Enumerate policies and regulations that minimize wastes, increase sustainable biomass production, and de-risk biomass use

# Working Group on Biomass Quantification & Sustainability Governance: ToR and membership

## ***Roles & Responsibilities:***

- Lead and contribute to the workstream
- Initially meet 3 – 5 times to complete the Scope & Action Plan
- Oversee the Support Team that liaises with the Advisory Group and prepares Workstream reports/products
- Recruit stakeholders and experts to the Advisory Group

## ***Membership:***







**MISSION:** Enable the reduction of GHG emissions and foster a circular economy by showcasing how countries, companies, and consumers can substitute sustainable bio- and waste-based Fuels, Chemicals, and Materials for their fossil equivalents.



**FOUNDING COUNTRIES:**



**BIO-BASED SUBSTITUTION CHALLENGE:** Signatories aspire to substitute bio- and waste-based Fuels, Chemicals, and Materials for 10% of their fossil carbon equivalent in relevant sectors and products by 2030, relative to a 2019 baseline.



**JOINT ACTION:** The Campaign enables joint action between the Biofuture Platform, Industry Leaders, NGOs, and the Clean Energy Ministerial community.

Topics include **Feedstock Sustainability, Biomass Availability & Sustainable Finance.**

# Biofuture Campaign – Value Proposition

The Biofuture Campaign will create value for Members in four ways:

## 1. Raise the level of Biofuture Engagement

Enable **Ministerial/CEO-level engagement** on the Biofuture at major international events: CEM, UNFCCC, G20, WEF, etc., particularly CEM13 in the USA in September 2022.

## 2. Foster Government-Industry Joint Workstreams

Create a **first-of-its-kind partnership** whereby forward-leaning Governments and Biofuture Industry Leaders can work jointly on issues of common interest, such as Biomass Quantification & Sustainability Governance

## 3. Strengthen Biofuture Alignment with Net Zero Campaigns

Work with **Net Zero Campaigns** to advance a systematic approach to the Energy Transition and development of the Circular Economy; whereby, bio-based fuels, chemicals, and materials contribute synergistically with advances in electrification, hydrogen, and CCUS

U.S. DOE hosting CEM13  
and serving as Biofuture  
Platform Chair creates a  
unique opportunity to  
showcase bio-based  
solutions



# Campaign Co-Managers

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