

# BIOEN SAF

## Biocombustíveis para aviação

5 SET  
2023  
14h | FAPESP



**BIOEN 2020-2030**

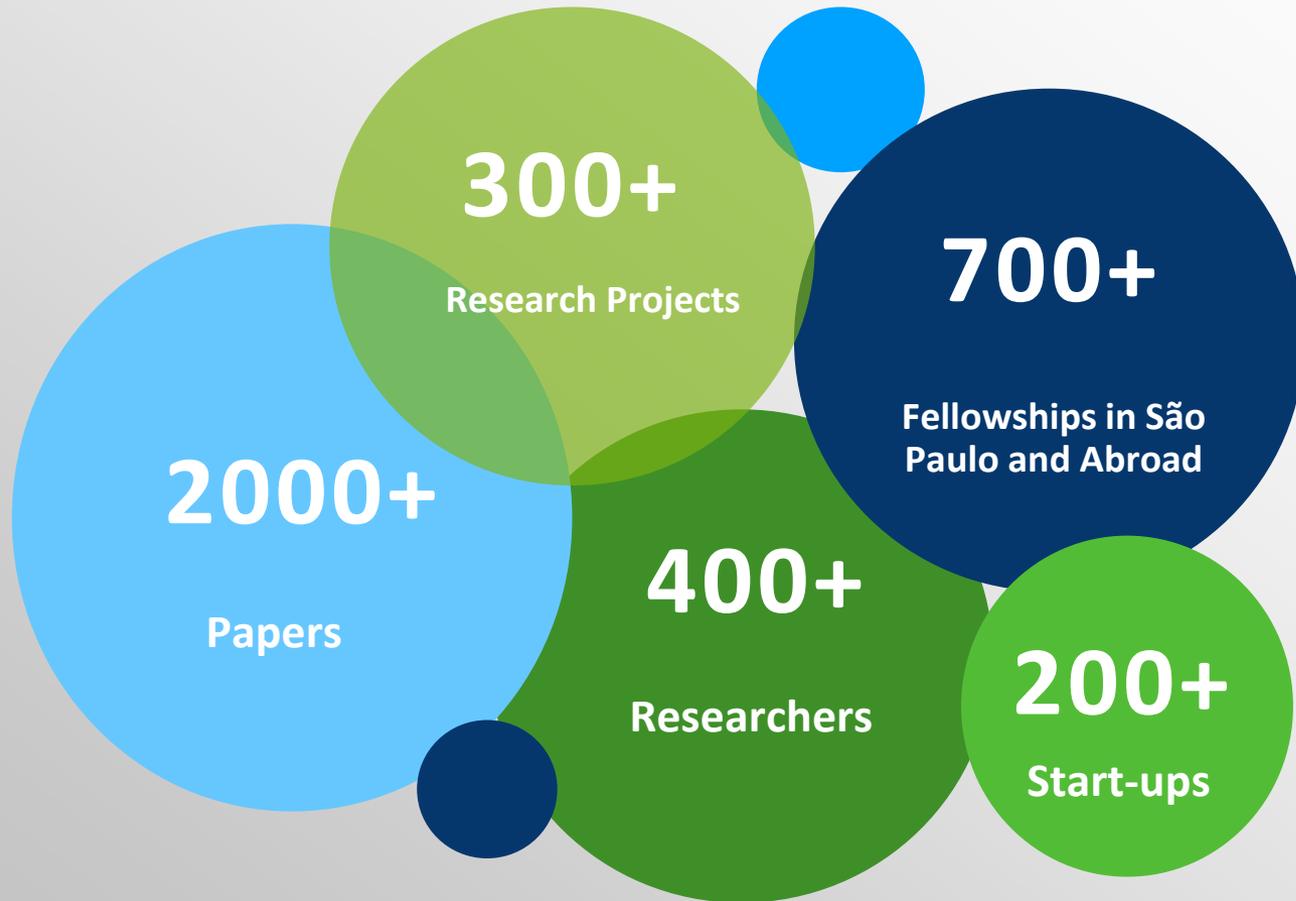
**Increase  
Biomass Yields**

**Accelerate the  
Transition to  
a Bioeconomy**

**Improve Energy  
Efficiency and  
Sustainability of  
Bioenergy  
End Use**

**Develop Efficient  
and Competitive  
Biomass  
Conversion  
Platforms**

**Broaden and Diversify**





## CALL FOR PROJECTS – ongoing 2023

**Improve Efficiency and Sustainability of Bioenergy End Use**  
**Contribute to the global effort towards a low carbon economy**  
**Give subsidy to BIOEN activities within IEA Bioenergy, GBEP, Biofuture Platform**

**Biofuels for vehicular internal combustion engines**  
**Ethanol application in Electric Vehicles (EV's)**  
**Sustainable Aviation Fuels (SAF's) based on biomass**  
**Marine and stationary applications of biofuels**  
**Electricity generation from biomass**  
**Biohydrogen**



## **BIOEN IEA Bioenergy**

- **LCA de rotas para produção de SAF no Brasil**
- **Sinergias da bioenergia e do hidrogênio**
- **Agenda de implementação de biocombustíveis**
- **Certificação de SAF**
- **Bioenergia e uso da terra no Brasil**
- **LCA Conversão de Gases de Exaustão para Etanol**

## **PAINEL 1: TECNOLOGIAS E POTENCIAL DE PRODUÇÃO**

### **Moderadores:**

- **Rubens Maciel (BIOEN-FAPESP e Unicamp)**
- **Luis Cassineli (BIOEN FAPESP)**

### **Convidados:**

- **Fernando A. Ramada Castro (C.B. & Associates)**
- **Camilo Adas (Be8)**
- **Luciane Chiodi (Agroicone)**

## **PAINEL 1: TECNOLOGIAS E POTENCIAL DE PRODUÇÃO**

- **Perspectiva do lado da matéria-prima**
- **Processos mais promissores, viabilidade econômica, e custos de produção de SAF**
- **Tecnologias: Fischer-Tropsch, catálise direta do etanol para diesel, alcohol-to-jet (ATJ), co-processamento, e hidrocessamento de óleos vegetais**
- **Etanol no contexto da sustentabilidade**
- **Gargalos para a inovação, políticas**

## **PAINEL 2: ASPECTOS REGULATÓRIOS, SUSTENTABILIDADE, TECNOLOGIAS DE USO**

### **Moderadores:**

- **Luiz A. Horta Nogueira (BIOEN FAPESP/UNIFEI/UNICAMP)**
- **Joaquim Seabra (UNICAMP)**

### **Convidados:**

- **Symone Araújo (ANP)**
- **Otávio Cavalett (Boeing)**
- **Marjorie Mendes Guarenghi (Agroicone)**
- **Marcelo de Freitas Gonçalves (Embraer)**

## **PAINEL 2: ASPECTOS REGULATÓRIOS, SUSTENTABILIDADE, TECNOLOGIAS DE USO**

- **Processos certificados ASTM e desenvolvimentos recentes**
- **Sustentabilidade e avaliação de ciclo de vida**
- **Perspectivas no Brasil sobre a regulamentação**
- **Perspectivas sobre regionalidade e SAF brasileiro com várias rotas e matérias-primas**
- **Combustível do futuro: blend mínimo e blend médio**
- **Meta para as empresas e corporações**



## BBEST & IEA Bioenergy Conference

# 2024

**Bioenergy and bioproducts:**  
Accelerating the transition  
towards sustainability

# SAVE THE DATE

October 22<sup>nd</sup> to 24<sup>th</sup>, 2024  
São Paulo – Brazil

The BBEST – IEA Bioenergy 2024 Conference will take place in São Paulo, the capital city of the São Paulo state, Brazil, from October 22<sup>nd</sup> to 24<sup>th</sup>, 2024.

Organized by the Bioenergy Research Program (BIOEN/FAPESP), the [International Energy Agency Bioenergy Technology Collaboration Program](#), and the [Bioenergy Society \(SBE\)](#), the BBEST – IEA Bioenergy 2024 Conference will bring important topics such as responsible land use, agricultural productivity, resilient multifunctional landscapes, harvesting technology, logistics and scale, development of biorefineries and emerging advanced bioproducts and materials, bioelectricity, biofuels for air, sea and road transport, waste use for bioenergy production and strategies for the circular carbon economy.

After four successful editions in 2011, 2014, 2017, and 2020/2021, BBEST – IEA Bioenergy 2024 Conference intends to bring together the main researchers, scientists, students, and professionals interested in the topic of bioenergy.

Join us!

<http://bbest-ieabioenergy.org>