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### Opening Remarks from the Workshop Chairman and Sugar & Ethanol Brazil Virtual

09:00 - 09:10

#### Participants

**Jaime Finguerut** - Director, Institute of Technology for SugarCane

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### Capital investments and sugarcane biotechnology aligned with Industry 4.0: Technology innovation for leveraging changes and improvements in the operational management of plants

09:10 - 09:40

#### Participants

**Bruno Jorge** - Head of Industry 4.0 Project, ABDI – Brazilian Agency of Industrial Development

**Antonio de Pádua Rodrigues** - Diretor Técnico, UNICA

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#### Live Q&A

09:40 - 10:00

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### Significance of bioelectricity in Brazilian energy matrix and operational improvements in the mills

10:00 - 10:15

#### Participants

**Newton Duarte** - Vice-presidente Executivo, COGEN

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#### Live Q&A

10:15 - 10:25

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### Vinasse – A precious effluent from distilleries

10:25 - 10:40

#### Participants

**Anil Raj Pise** - Managing Director, Raj Process Equipments and Systems Pvt Ltd

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#### Networking

10:40 - 11:00

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### Technology management of biogas plants in sugarcane mills

11:00 - 11:30

#### Participants

**Alessandro Gardemann** - Presidente, Abiogás – Brazilian Association of Biogas

**Rafael Hernando de Aguiar González** - Diretor Presidente, CI Biogás – International Center of Renewable Energy

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#### Live Q&A

11:30 - 11:40

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### Agricultural technology aimed at increasing sugarcane productivity and genetically modified sugarcane

11:40 - 12:10

#### Participants

**Almir Torcato** - Corporative Manager, Canaeste – Association of Sugarcane Planters from the Western of São Paulo State

**Luiz Carlos Corrêa Carvalho** - Director, ABAG – Brazilian Association of Agribusiness

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#### Live Q&A

12:10 - 12:20

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### 2G development - attracting investors in 2G ethanol technology and prospects for lowering final product cost

12:20 - 12:35

#### Participants

**Jaime Finguerut** - Director, Institute of Technology for SugarCane

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#### Live Q&A

12:35 - 12:45

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### Closing Remarks From the Chair and End of Workshop

12:45 - 12:50

# SCHEDULE

PRODUCTION, OPERATIONS AND FEEDSTOCK WORKSHOP 2020 - 01/09/2020

Sugar & Ethanol Brazil

1 - 3 September 2020

Virtual Conference

Delivered Live Online (BRT time)

TIME	
<b>09:00</b>	<b>09:00</b> - Opening Remarks from the Workshop Chairman and Sugar & Ethanol Brazil Virtual <b>09:10</b> - Capital investments and sugarcane biotechnology aligned with Industry 4.0: Technology innovation for leveraging changes and improvements in the operational management of plants <b>09:40</b> - Live Q&A
<b>10:00</b>	<b>10:00</b> - Significance of bioelectricity in Brazilian energy matrix and operational improvements in the mills <b>10:15</b> - Live Q&A <b>10:25</b> - Vinasse – A precious effluent from distilleries <b>10:40</b> - Networking
<b>11:00</b>	<b>11:00</b> - Technology management of biogas plants in sugarcane mills <b>11:30</b> - Live Q&A <b>11:40</b> - Agricultural technology aimed at increasing sugarcane productivity and genetically modified sugarcane
<b>12:00</b>	<b>12:10</b> - Live Q&A <b>12:20</b> - 2G development - attracting investors in 2G ethanol technology and prospects for lowering final product cost <b>12:35</b> - Live Q&A <b>12:45</b> - Closing Remarks From the Chair and End of Workshop

### Opening Remarks from the Chair and Sugar and Ethanol Brazil Virtual

09:00 - 09:10

Opening Remarks from the Chair

### Global sugar outlook

09:10 - 09:25

#### Participants

**Sergey Chetvertakov** - Analyst – Sugar, F.O. Licht | IHS Markit

### Global scenario and trends in the international sugar, ethanol and bioplastics markets and COVID-19 impacts

09:25 - 10:05

- Major world producers of sugar, ethanol, molasses and bioproducts and market analysis
- Changes in Chinese regulation and market impacts
- Trends related to the main feedstocks for alcohol production
- Sugar and ethanol prices outlook in the international markets
- Evolution of commercial scale projects of biomass bioproducts - bioplastics case studies

#### Participants

**Eduardo Leão de Sousa** - Executive Director, UNICA (Brazilian Sugarcane Industry Association)

**Jacyr Costa Filho** - Member of Executive Committee, Tereos

**Charles Tang** - Chairman, Brazil-China Chamber of Commerce & Industry – CCIBC

#### Live Q&A

10:05 - 10:20

### Brazilian outlook for sugar and ethanol production, COVID-19 emergency plan and market projections

10:20 - 10:50

- Short and medium-term market trends
- Perspectives on sugar and molasses: national trading and export
- Future of sugarcane ethanol considering expansion of corn ethanol
- Financial and productive challenges, storage management due to reduction of consumption
- Alternatives for the current harvest

#### Participants

**Francis Vernon Queen Neto** - Executive VP - Ethanol, Sugar and Bioenergy, Raizen

**Ricardo Carvalho** - Commercial Director, BP Bunge Bioenergia

**Luiz Gustavo Junqueira Figueiredo** - Sales Director, USINA ALTA MOGIANA

#### Live Q&A

10:50 - 11:05

### Networking

11:05 - 11:25

### RenovaBio deployment, market impacts and RenovaCalc specifics

11:25 - 12:05

- Market reaction and balance of the first months
- RenovaBio's mechanism, practical understanding and how its proposals will impact the market
- What is CBIO?
- Definition of RenovaCalc and how the performance calculation of the production units is done

#### Participants

**Marlon Arraes Jardim Leal** - General Coordinator - Ethanol, Ministry of Mines and Energy

**Marcelo Mancini Stella** - Vice President, ATVOS AGROINDUSTRIAL S.A.

**Evandro Gussi** - CEO, UNICA - The Brazilian Sugarcane Industry Association

#### Live Q&A

12:05 - 12:20

### Financial planning for the maintenance of assets and credit lines for brownfield and greenfield projects in the sugar & ethanol sector

12:20 - 13:00

- Existing lines of credit and criteria to enable partnerships
- What numbers are needed to maintain sustainable net debt in the view of financial institutions
- Good practices in plant asset management
- Performance indicators associated with financial management
- Specific credit lines for facilities optimisation

#### Participants

**Artur Milanez** - Manager of Biofuels Department, BNDES - Brazilain Development Bank

**Helton Chagas Mendes** - Superintendent of Whosale Business and Government Business, Banco do Nordeste

**José Arimatea de Ângelo Calsaverini** - Diretor Presidente, UISA

#### Live Q&A

13:00 - 13:15

### Chair's Closing Remarks and End of Day 1

13:15 - 13:20

# SCHEDULE

MAIN CONFERENCE DAY 1 - SUGAR & ETHANOL BRAZIL 2020 - 02/09/2020

Sugar & Ethanol Brazil

1 - 3 September 2020

Virtual Conference

Delivered Live Online (BRT time)

TIME	
<b>09:00</b>	<b>09:00</b> - Opening Remarks from the Chair and Sugar and Ethanol Brazil Virtual <b>09:10</b> - Global sugar outlook <b>09:25</b> - Global scenario and trends in the international sugar, ethanol and bioplastics markets and COVID-19 impacts
<b>10:00</b>	<b>10:05</b> - Live Q&A <b>10:20</b> - Brazilian outlook for sugar and ethanol production, COVID-19 emergency plan and market projections <b>10:50</b> - Live Q&A
<b>11:00</b>	<b>11:05</b> - Networking <b>11:25</b> - RenovaBio deployment, market impacts and RenovaCalc specifics
<b>12:00</b>	<b>12:05</b> - Live Q&A <b>12:20</b> - Financial planning for the maintenance of assets and credit lines for brownfield and greenfield projects in the sugar & ethanol sector
<b>13:00</b>	<b>13:00</b> - Live Q&A <b>13:15</b> - Chair's Closing Remarks and End of Day 1

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### Opening Remarks from the Chairman and Sugar and Ethanol Brazil Virtual

09:00 - 09:10

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### Strategic planning to enable investments in the production chain of corn ethanol and COVID-19 impacts

09:10 - 09:50

- Competitiveness analysis in the Brazilian market
- Costs X benefits
- Pricing overview
- Incentives for corn ethanol production
- Medium and long-term expansion forecast

#### Participants

**Guilherme Nolasco** - President, UNEM - National Union of Corn Ethanol

**José Fernando Mazuca Filho** - Finance and New Business Director, UISA

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#### Live Q&A

09:50 - 10:05

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### Corn ethanol and opportunities to improve quality and value of co-products

10:05 - 10:25

- Technical analysis of corn ethanol
- Calorific value and other properties that reflect the quality of the biofuel produced
- Evaluating quality and performance of corn ethanol

#### Participants

**Eduardo Lima** - CEO, Millenium Bioenergia

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#### Live Q&A

10:25 - 10:40

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#### Networking

10:40 - 11:00

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### Sugarcane ethanol & Corn ethanol - technical analysis of both biofuels, return on investment and experience from flex plants

11:00 - 11:40

- Particularities of each feedstock
- Comparison of calorific value and other properties that reflect the quality of the fuel produced
- Management of agricultural, industrial and logistic costs
- Impacts of operating costs on the final product
- Return on Investment

#### Participants

**Haroldo José Torres da Silva** - Project Manager, PECEGE - Programa de Educação Continuada em Economia e Gestão de Empresas

**André Rodrigues Pereira da Silva** - Legal Supervisor, Inpasa

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#### Questions

11:40 - 11:55

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#### Closing Remarks from the Chair

11:55 - 12:00

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#### End of Conference

12:00 - 12:05

# SCHEDULE

MAIN CONFERENCE DAY 2 - SUGAR & ETHANOL BRAZIL 2020 - 03/09/2020

Sugar & Ethanol Brazil

1 - 3 September 2020

Virtual Conference

Delivered Live Online (BRT time)

TIME	
<b>09:00</b>	<b>09:00</b> - Opening Remarks from the Chairman and Sugar and Ethanol Brazil Virtual <b>09:10</b> - Strategic planning to enable investments in the production chain of corn ethanol and COVID-19 impacts <b>09:50</b> - Live Q&A
<b>10:00</b>	<b>10:05</b> - Corn ethanol and opportunities to improve quality and value of co-products <b>10:25</b> - Live Q&A <b>10:40</b> - Networking
<b>11:00</b>	<b>11:00</b> - Sugarcane ethanol & Corn ethanol - technical analysis of both biofuels, return on investment and experience from flex plants <b>11:40</b> - Questions <b>11:55</b> - Closing Remarks from the Chair
<b>12:00</b>	<b>12:00</b> - End of Conference