

## Seminar Program

### Energy Transition and Artificial Intelligence: Solutions for a Sustainable World

Date: March 18, 2025

Time: 02:00 PM to 06:30 PM (EST)

Venue: Smith Learning Theater Main Room at Columbia University

#### Summary

*In a global context defined by rapid technological advancement and the pressing imperative to address climate change, the convergence of energy transition and artificial intelligence represents a critically important field of research and practical application. The seminar, “Energy Transition and Artificial Intelligence: Solutions for a Sustainable World,” will convene academics, experts, policymakers, and private sector leaders to explore strategic topics at the intersection of technology, sustainability, and investment opportunities, with a particular focus on exchanges between Brazil and the United States.*

*The program will consist of three interactive panels addressing essential topics for a sustainable and innovative future, such as:*

- The role of renewable energy sources in optimizing technological processes;*
- Regulatory and infrastructural challenges for the sustainable use of natural resources in advanced technological applications, including the operation of data centers, one of the most notable infrastructures for AI-based services;*
- Opportunities for international cooperation, business, and investment, emphasizing the Brazil-USA partnership in energy transition and technological innovation.*

*By exploring these themes, the seminar aims to foster interdisciplinary dialogue and promote solutions that align technological progress with sustainable development.*

## **Panel 1: Energy Transition and Brazil's Renewable Energy Matrix**

*With more than 90% of its electricity matrix comprising renewable sources, Brazil is a global leader in clean and sustainable energy. This panel will highlight how the country is at the forefront of this transformation, exploring its advancements, potential, and successful examples.*

*Invited experts will discuss the challenges and opportunities to expand further the use of renewable sources such as wind, solar, and biomass energy. Additionally, initiatives positioning Brazil as a reference for energy transition in other nations will be presented, aligning sustainability, technological innovation, and effective public policies.*

*A Brazilian government representative, from the Ministry of Mines and Energy or another agency, is expected to present the National Energy Transition Plan (PLANTE), focusing on its strategic axes most related to the seminar's objectives.*

## **Panel 2: Technological Development and Artificial Intelligence Infrastructure**

*Focusing on the intersection of technology and infrastructure, this panel will explore how artificial intelligence is revolutionizing product design, energy efficiency, and service delivery. The growing demand for data and global connectivity drives the development of these infrastructures, which are the backbone of the digital economy.*

*Experts will discuss how modern infrastructure leveraged by artificial intelligence is transforming the economy, enabling not only greater operational efficiency but also more sustainable solutions. Special attention will be given to the role of data centers in the digital economy and global sustainability, highlighting strategies to reduce environmental impact and investment opportunities in emerging markets such as Brazil.*

*A Brazilian government representative, from the Ministry of Science, Technology, and Innovation or another agency, is expected to present the Brazilian Artificial Intelligence Plan (PBIA), focusing on the structural actions most aligned with the seminar's objectives.*

### **Panel 3: Attracting Investments for Renewable Energy and Artificial Intelligence Infrastructures in Brazil**

*This panel will discuss the strategic role of public policies and government initiatives in strengthening Brazil’s capacity to attract foreign direct investment (FDI). Focusing on key sectors such as energy, technology, and infrastructure, experts will explore how the country can maximize its global competitiveness.*

*The National Investment Attraction Plan is a comprehensive strategy focused on positioning Brazil as one of the most attractive destinations for foreign investment. This plan aligns with the “New Industry Brazil” (NIB) program, which seeks to strengthen national industry competitiveness, encourage technological modernization, and promote economic sustainability. The plan includes tax incentives, infrastructure investments, and policies aimed at reducing regulatory barriers, creating a more favorable environment for FDI.*

*The panel will emphasize how Brazil, with its vast opportunities in sectors like renewable energy and artificial intelligence infrastructure, is prepared to meet global investment demand, leveraging innovation and sustainable growth.*

*A Brazilian government representative, from the Ministry of Development, Industry, Trade, and Services or another agency, will present the PNAI-NIB and, specifically, the Public Policy Implementation Strategy for Attracting Data Centers.*

#### **Pre-Event Registration**

**01:30pm - 02:00 pm**

#### **Opening Remarks**

**02:00 pm - 02:40 pm      Welcome**

**Host:** Carolina Camargo | Journalist - Record Américas

**Ambassador Adalnio Senna Ganem (5')** | Consulate General of Brazil in New York

**Dr. Carlos Ivan Simonsen Leal (5')** | President of FGV

**Dr. Paulo Blikstein (5')** | Director of the Lemann Center of Columbia

**Abrão Neto (5')** | CEO of AMCHAM

**Will Goodwin (5')** | Director of the New York Stock Exchange (NYSE) / Director of NYSE Institute

**Edward Mermelstein (5')** | Commissioner for International Affairs at New York City Hall

**Márcio Elias [keynote speaker] (10')** | Executive Secretary of Ministry of Development, Industry, Trade and Services (MDIC)

Pause for Stage Reconfiguration (10')

**02:50 pm - 03:40 pm Panel 1: Energy Transition and Brazil's Renewable Energy Matrix**

Speakers:

Amanda Schutze - FGV EESP (10')

Dimitri Zabelin - World Economic Forum/ Pantheon Insights (10')

Nicolas Lippolis - Columbia Climate School (10')

Bruno Dantas - Minister of Federal Court of Accounts of Brazil (TCU) (10')

Q&A moderated by Marcos Contardi (FGV) (10')

Pause for Panel Change (5')

**03:45 pm - 04:35 pm Panel 2: Technological Development and Artificial Intelligence Infrastructure**

Speakers:

Luis Martins - CEO of Dadosfera (10')

Laércio Lemos de Souza - (indicated by FGV) Director of Caixa Economica Federal (10')

Alexander Tingle - Managing Director at Goldman Sachs (10')

Marcos Peigo - CEO and Co-Founder of Scala Data Centers (10')

Q&A moderated by Sidney Nakahodo (Columbia) (10')

### Coffee Break

Smith Learning Center Main Room: 04:35 pm - 04:50 pm

04:50 pm - 05:40 pm Panel 3: Attracting Investments for Renewable Energy and Artificial Intelligence Infrastructures in Brazil

Speakers:

Adalberto D. Bueno Netto - Investment and Trade Analyst (10')

Dr. Decio Freire - General Counsel of FGV (5')

Fabrizio Panzini (3') - Director for Public Policy and Government Relations at AMCHAM Brasil (10')

Q&A moderated by Mariana Fleischhauer (FGV Europe) (10')

Pause for Stage Reconfiguration (5')

### Closing Remarks

05:45pm - 05:55 hrs Final Remarks

Host: Carolina Camargo | Journalist - Record Américas

Ambassador Adalnio Senna Ganem (4') | Consulate General of Brazil in New York

Dr. Cesar Cunha Campos (3') | Director of FGV Europe

Pause for Room Change (5')

### Reception (Cocktail)

06:00 pm - 06:30 hrs (Smith Learning Center Side Room)