



MINISTÉRIO DE
MINAS E ENERGIA



Launch of Online Course on Energy Efficiency in Buildings for Brazil

5 May, 2021

10:00am BRT / 3:00pm CET

Background

Buildings represent a third of the world's energy demand. In Brazil, energy consumption in buildings accounted for 15% of total energy consumption, 46% of electricity consumption and almost 90% of LPG consumption in 2019 (EPE, 2020). At the same time, future scenarios project an increase in the share of electricity consumption in buildings, with important impacts on the electricity system.

Improving the efficiency and sustainability of new and existing buildings is critical to ensuring that buildings meet people's needs while contributing to clean energy transitions. These improvements can generate local jobs, improve the healthfulness of buildings, save on energy bills, and provide many more important benefits.

The good news is that there is increased activity towards efficient and sustainable buildings in Brazil, with the development of policies, projects and programmes at the national, state and municipal levels. For example, the Resources Application Plan of the National Energy Conservation Program (PAR PROCEL) has supported the development of several projects and initiatives, and learning networks for energy efficiency (RedEE) are helping to accelerate uptake of efficiency measures in participating buildings.

In this context, the International Energy Agency (IEA) and Development Bank of Latin America (CAF) have developed a comprehensive online course on *Energy Efficiency in Buildings*. This is a free online course that practically explores the main aspects of energy efficiency in four modules: introduction to energy efficiency in buildings; implementation of energy efficiency; measurement of energy efficiency; and facilitating investments.

In this webinar, speakers will provide insights into the importance of energy efficiency in buildings and progress in Brazil, inspiration from leading programmes driving energy efficiency in buildings, and an overview of the online course.

Agenda

Times reflect BRT

10 :00 – 10 :15	Introduction	Alexandra Maciel, Infrastructure Analyst, MME
10 :15 – 10 :30	Presentation of course	Maxine Jordan, Energy Policy Analyst, IEA
10 :30 – 10 :45	Presentation of PROCEL programmes and initiatives	Elisete Cunha, Architect, Eletrobras/Procel
10 :45 – 11 :00	Presentation of Learning Networks	Gustavo Gontijo, Coordinator of RedEE – Public Buildings
11 :00 – 11 :10	Q&A	Samira Sousa, General Coordinator for Energy Efficiency, MME <i>With participation of Fernando Branger, Senior Executive / Energy Coordinator, CAF</i>
11 :10 – 11 :15	Closing	Samira Sousa, General Coordinator for Energy Efficiency, MME

Speakers:



Alexandra Maciel

Graduated in Architecture and Urbanism at the University of Brasília (1998), master's and doctorate in Civil Engineering at the Federal University of Santa Catarina (2002 and 2006), working as a researcher at the Energy Efficiency in Buildings Laboratory - LabEEE. She is a Level A licensed professor at the Centro Universitário de Brasília and, since 2008, she is infrastructure analyst of the Ministry of Economy, having coordinated the area of energy efficiency at the Ministry of the Environment for 10 years. Currently, she is working at the Ministry of Mines and Energy, in the General Coordination of Energy Efficiency. She has experience in Architecture and Urbanism, with an emphasis on technology, working mainly on

the following themes: energy efficiency, bioclimatic architecture and passive design strategies.



Maxine Jordan

Leads the energy efficiency in buildings work within the IEA's Energy Efficiency in Emerging Economies (E4) Programme. After several years working as a building services and environmental design consultant in London specialised in high-performance buildings, Maxine moved to Brazil to work in one of the country's leading energy efficiency and policy research consultancies, where she participated in preparatory studies for the National Energy Efficiency Action Plan for Buildings, alongside capacity building and design consultancy activities. At the IEA, Maxine has led the development of the GlobalABC Global and Regional Roadmaps for Buildings and Construction for Asia, Africa and Latin America. She also provides policy support and analysis for buildings and cooling efficiency across the Agency. Maxine holds a Masters of Engineering degree from the University of Cambridge in Civil, Structural and Environmental Engineering.



Elisete Cunha

Architect and urban planner at UFF - Universidade Federal Fluminense, specialist in Planning and environmental management and in Economics and sustainability management with emphasis on social interest housing. She has worked for ten years in construction industry on management of residential, high-end commercial and distribution centres, and two years in facilities management of corporate building. In the last ten years, her work has been in the area of energy efficiency in buildings, in the National Electricity Conservation Program - Procel.



Gustavo Gontijo

In his more than 20 years of professional experience, he has covered the most diverse areas such as Information Technology, Music, Marketing, Astronomical Instrumentation and Mechanical Engineering. He divides his time between the Doctorate in Mechatronics Engineering at the University of Brasília and the consultancies in Energy Efficiency and Renewable Energies at the company Vaz Gontijo Consultoria, of which he is the founder. Project Manager, enthusiastic about collaborative methodologies and Network Mobilizer, he is currently the Technical Coordinator of the Energy Efficiency and Distributed Generation Learning Network in Public Buildings, an initiative of the Ministry of Mines and Energy and German Cooperation (GIZ) that leads institutions public authorities in reaching a new level of efficiency in the use of energy.



Samira Sousa

Electrical Engineer from the State University of Campinas (Unicamp), with specializations in Wind Energy and Public Management and Professional Master in Public Policy and Development from the Institute for Applied Economic Research (IPEA), on the Energy Efficiency Law. She has been working in the Energy Sector since 2003, having worked at the Ministry of Mines and Energy from 2003 to 2010 as General Coordinator of Environmental Sustainability of the Energy Sector (DDE/SPE), and from 2011 to 2018 as a Specialist in Public Policies and Government Management, at the Ministry of Science, Technology, Innovations and Communications (MCTIC) in management of CT&I public policies in the areas of electric energy, more specifically in renewable energy, hydrogen and fuel cells and issues related to energy efficiency. In March 2018, she assumed the position of General Coordinator of Energy Efficiency (DDE/SPE/MME).