

May-September 2025

Issue

9

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# CPTEn Newsletter

**CPTEn**   
Centro Paulista de Estudos da Transição Energética

## Energy transition to move the world

The projects and activities carried out by the São Paulo Center for Energy Transition Studies (CPTEn) never stop! In this edition, check out some of our recent achievements: book launches showcasing the expertise of our researchers; studies featured in Jornal da Unicamp; our researchers making a difference through awards; and a CPTEn delegation taking part in a training program in China.

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Photo: researchers' collection

## CPTEn researchers launch a book on the energy transition in Latin America

The launch event for the book *Energy Poverty, Justice and Gender in Latin America* brought together professors, students, and members of the academic community on May 14 at the School of Electrical and Computer Engineering (FEEC) to celebrate the production of knowledge on energy poverty, climate justice, and gender diversity challenges within the context of Latin America's energy transition.

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## Electricity theft under the watch of computer vision

In the search for technological solutions to mitigate problems caused by energy losses and other factors affecting the transmission and distribution chain, researchers from the School of Electrical and Computer Engineering (FEEC) at Unicamp have developed systems that use computer vision and machine learning tools to identify possible disturbances in these systems. The master's research responsible for these advances was conducted by Nelson Rodrigues Silva, under the supervision of Professor Fernanda Arioli.

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Photo: São Paulo City Government press release

## Book showcases the experiences of 30 cities that have adopted electric mobility

Divided into nine chapters, the book *Cities as Protagonists – Public Policies for the Transition to Electric Mobility* discusses the ability of cities to rethink their strategies and actions by forming networks to regulate, promote, and organize urban spaces in order to advance electric mobility. The work presents an overview of this ecosystem through successful initiatives from 30 cities in both the Global North and the Global South and was coordinated by Flávia Consoni, a professor in the Department of Science and Technology Policy (DPCT) at the Institute of Geosciences (IG) of Unicamp.

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Photo: researchers' collection

## CPTEn delegation attends a course in Beijing on Green Energy leadership

Between July 1 and 18, students and professionals from different countries participated in a training course organized by North China Electric Power University (NCEPU), a leading university in the field of energy science and transition in China. The program aims to expand participants' knowledge on the development and application of clean energy technologies, discuss future trends and challenges in the sector, and deepen understanding of China's advancements in this field.

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## Coordinator of Cepagri to participate in the preparation of an IPCC report

The coordinator of Cepagri and CPTen researcher, David Montenegro Lapola, is one of 664 scientists from 111 countries worldwide selected to contribute to the new report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations. Lapola will serve as lead author for Chapter 8 of Working Group I, which will address "Abrupt changes, high-impact and low-probability events, and critical thresholds, including tipping points, in the Earth system."

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Photo: Julia Devito

## CPTen researcher receives 2025 Women in Energy Award

With the aim of discussing the challenges and opportunities of the energy transition in Brazil from a female leadership perspective, the 4th Brazilian Women in Energy Congress honored 24 women in the sector with the 2025 Women in Energy Award, recognizing the innovation and transformative projects they represent. Danúsia Arantes, a CPTen researcher, won in the Social Impact category for her work as coordinator of the *Olhos no Futuro* program.

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Photo: Julia Devito

## Central Library hosts book launch on the Olhos no Futuro Program

On September 12, 2025, Unicamp's Central Library hosted the launch of the book 'Educational Principles and Extension Practices of the *Olhos no Futuro* Program'. Part of the University Extension series by Unicamp Press, the book brings together reflections, interviews, and accounts of the program's journey since its creation in 2018. Organized by Danúsia Arantes Ferreira, Roberta Ceriani, and Luiz Carlos Pereira da Silva, the work provides a comprehensive and multidimensional view of the program's activities, integrating teaching, research, and extension.

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Photo: Agência Brasil

## An in-depth look at food production in Brazil

Researchers from the School of Agricultural Engineering (Feagri) at Unicamp have developed PHFood Brazil, a database that integrates information from 114 datasets across eight official platforms. It covers topics such as plant-based food production, land and water use, pesticide application and the effects of their residues, as well as household purchasing and consumption patterns in Brazil. The data spans 48 years, allowing for the analysis of changes and trends over time.

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