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EFFICIENT BUILDINGS AND INDUSTRIAL PROCESSES: DRIVING THE ENERGY TRANSITION

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This special session is dedicated to soliciting contributions on innovative methodologies and applications aimed at improving energy efficiency in residential buildings and industrial processes.
Regarding the buildings, the topics included in this special session concern (but are not limited to):

- Energy efficiency enhancement and Optimal Operation of Active Buildings as Energy Systems
- New solutions and technologies to contain energy losses and increase the performance of the building technological systems.
- Increased autonomy in consumption and flexibility in energy management in buildings
- Multiple benefits of energy efficiency measures and end-user awareness
- Innovative strategies for increasing the potential of thermal networks.
- Development of innovative solutions for energy recovery and storage and building monitoring

Regarding industrial processes, in line with what is indicated in guiding-documents such as the Clean Energy Package, PNIEC, PNRR and in the national emission reduction targets, the topics included in this special session concern (but are not limited to):

- Industry applications, Power engineering and energy
- Study, definition, monitoring and control of energy, functional and resource efficiency standards of energy-related products
- Energy efficiency of industrial thermal processes, production and sharing of thermal energy from recovered fluids and resources
- Definition of technical-managerial best practices for energy efficiency and optimization of industrial clusters (supply chains/districts) towards the creation of dynamic innovation ecosystems
- Tools, analysis and impact of technologies and practices for energy efficiency and energy transition in production sectors

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