



# CAPEESH

## *Different perspectives on the energy transition*

**Physicists and economists join forces to design a tool for optimizing the production and consumption of renewable energies.**

The heat, energy and processes laboratory (IPRA-LaTEP) has been working on the energy transition issue for many years. “Modeling the energy requirements of a home, correlating the need for and the production of renewable energies, etc. are all things we know how to do,” ensures Erwin Franquet, physicist. “On the other hand, anticipating market reactions in order to propose realistic solutions that meet both business’ and consumers’ needs, calls for specific competencies.” To come up with a solution, the researcher – who belongs to the LaTEP – thought of turning to his colleagues at the CATT (the center for theoretical analysis and processing of economic data). This cross-disciplinary approach that involves combining notions of physics and economy, came into being in late 2018 with the launch of the CAPEESH project (Combined Analysis for Physical and Economical management of Energy Systems for Housings). Financed by the region of Nouvelle-Aquitaine, the research work carried jointly by the two laboratories for a three-year period aims to design a tool that will help to improve the management of electricity demand. As an active participant in the project alongside Erwin Franquet, Carole Haritchabalet – Co-Director of the CATT – is very pleased with this unprecedented partnership: “Our ambition is to build a new paradigm in the interests of electricity suppliers, households and the energy transition.”

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