

SÉMINAIRE

DES DOCTORANTS

Lucie Ricq: Sector-coupled prospective optimization of the energy system and its financing schemes

ABSTRACT

The energy system transition requires proper micro-economic modeling tools in order to capture the key aspects of future markets, and to apply their teachings to inform economic decision-making. An example of such decisions is the design of the energy actors subsidies scheme, a market intervention that aims at triggering more renewables investments in capacities, or more production. In order to better assess the optimal subsidy schemes, we are aiming at setting up a bi-level model with the public entity acting as a price maker and the private market actors acting as price takers in a Stackelberg game. We are aiming at using a stochastic formulation to introduce the energy producers' risk aversion. During this seminary, I am going to present my (very) early work and reflections.

[PHD PROJECT]

WEDNESDAY JANUARY 24, 4:30-5:30 - MEETING ROOM + ZOOM

ORGANIZERS: CLÉMENT BOYER, THIBAUT BRIERA, BERTILLE DARAN, SIMON JEAN & BAPTISTE PARENT