



## Chair Prospective Modeling For sustainable development

---

Seminars of the Chair on the Key Issues for Low-Carbon Transition Modeling

# Investment risks and financial mechanisms in integrated energy-economy-climate models

November 21st 2018

9 :30am - 12 :30pm

CIRED

45bis, avenue de la Belle Gabrielle, Nogent sur Marne



## 6th Modeling Platform Seminar of the MPDD Chair Provisional program

The whole set of models that fed into the 5th IPCC Report and, more recently, the forthcoming Special Report on the 1.5°C objective project technological arbitrations, levels of investment and macroeconomic feedbacks in a universe without risk and without financial constraints. Such a paradigm makes it less and less possible to respond to the real conditions for triggering climate policies at the level necessary to achieve the proclaimed objectives.

The next seminar of the modeling platform of the MPDD Chair should allow an exchange with three modeling teams AFD (Gemmes), OFCE (Three-Me) and CIRED (Imaclim-R) on how they introduce or intend to introduce in the models the following items:

- investment risk in the energy sector and more broadly in the infrastructure sectors
- financing constraints on actors, including public actors, and the role of financial intermediation mechanisms.

**Chairman:** Nadia Maïzi, CMA

9h30 : **Introduction**

9h40-10h15: **Capital market modelling in ThreeME**

Frédéric Reynes-Aurélien Saussay (OFCE)

10h15-10h50: **Stock-Flow Consistent modelling for developing economies in a global financial world**  
(Devrim Yilmaz, AFD)

10h50-11h00: **Break**

11h00-11h35: **Investment risks and financial mechanisms in IMACLIM-R**

(Jean Charles Hourcade, CIRED)

11h35-12h15 **Counterpoints**

Benoît Leguet (I4CE)

12h15-12h30: **Free exchange on perspectives**