

# Economic models and tools against climate change

**12 December 2019**

Banque de France (BdF) and Toulouse School of Economics (TSE) workshop  
Conference center of the Banque de France, Room 1, Paris

- 10:00-11:20 **Session 1 Fundamental models of carbon use**
- Capital stranding cascades: The impact of decarbonisation on productive asset utilization  
**Antoine Godin** (AFD) with L. Cahen-Fourot (Univ of Vienna), E. Campiglio (LSE), E. Dawkins (Stockholm Environment Institute), E. Kemp-Benedict (Institut für Makroökonomie und Konjunkturforschung)
  - Greenhouse gases emissions in the oil industry: Ecological debts and missed opportunities  
**Fanny Henriët** (PSE), with R. Coulomb (Univ of Melbourne) & L. Reitzmann (Polytechnique)
- 11:20-11:40 Coffee break
- 11:40-13:00 **Session 2 Financial risk**
- Climate-related scenarios for financial stability assessment: An application to France  
T. Allen, J. Boissinot, CM. Caicedo-Graciano, V. Chouard, L. Clerc, S. Dees, A. de Gaye, M-E. de La Serve, M. Després, A. Devulder, S. Haincourt, B. Hallinger, N. Lisack, JS. Mésonnier, S. Peyron, M. Rabate, R. Svartzman, L. Vernet (BdF)
  - Climate change and financial system stability: what role for central banks, regulators and supervisors?  
**Romain Svartzman** (BdF) with P. Bolton (Columbia Univ), M. Després (BdF), L. Pereira da Silva (BIS) & F. Samama (Amundi AM)
- 13:00-14:10 Lunch
- 14:10-15:30 **Session 3. Financial tools**
- Why is participation in the zero-interest green loan program so low? Demand- and supply-side barriers  
**Louis-Gaëtan Giraudet** (École des Ponts & CIRED)
  - Green finance and climate policy  
**Julien Xavier Daubanes** with JC. Rochet (Univ de Genève)
- 15:30-15:40 Coffee break
- 15:40-17:00 **Session 4 Carbon consumption and policies**
- Long-term growth impact of climate change and policies: the Advanced Climate Change Long-term (ACCL) scenario-building model  
**Gilbert Cette** (BdF & AMSE) with C. Alestra (AMSE), V. Chouard (BdF) & R. Lecat (BdF)
  - The cost-efficiency carbon-pricing puzzle  
**Christian Gollier** (TSE)