

# 12<sup>TH</sup> FAERE THEMATIC WORKSHOP

FRENCH ASSOCIATION OF ENVIRONMENTAL AND RESOURCE ECONOMISTS

This 12th FAERE thematic workshop has been organized by  
THE GRADUATE SCHOOL ECONOMICS & MANAGEMENT,  
AT UNIVERSITÉ PARIS-SACLAY



with the support of

MAISON DES SCIENCES DE L'HOMME PARIS-SACLAY



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INSTITUT DE L'ÉNERGIE SOUTENABLE



ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY



# APRIL 21 AND 22, 2022

## CLIMATE CHANGE ECONOMICS AND MANAGEMENT Linking Adaptation and Mitigation

### KEYNOTE LECTURE

**PR. THOMAS STERNER** (University of Gothenburg)  
Designing climate policies to be fair and effective

### ROUNDTABLE

Les stratégies climatiques à l'épreuve de l'urgence  
et des crises : de la science à la pratique

More than 20 presentations of selected research papers  
in economics and management

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### LOCATION

ENS Paris-Saclay - 4 Av. des Sciences  
91190 Gif-sur-Yvette

### ORGANIZING COMMITTEE

Vincent Martinet (INRAE, Paris-Saclay Applied Economics), Graduate School Economics & Management  
Natalia Zugravu-Soilita (UVSQ, UMI SOURCE), Graduate School Economics & Management  
Stéphane De Cara (INREA, Paris-Saclay Applied Economics), Graduate School Biosphera  
Marc Leandri (UVSQ, UMI SOURCE)  
Julien Lefevre (CIRED)  
Maria-Eugenia Sanin (UEVE, EPEE)

### SCIENTIFIC COMMITTEE

Organizing committee + Thierry Côme (UVSQ, LAREQUOI), and Mouez Fodha and Francesco Ricci for the FAERE

We thank the team of the Maison des Sciences de l'Homme Paris-Saclay for their support in the organizational aspects of the conference, as well as Frédérique Ramé (Faculté Jean Monnet, Université Paris-Saclay) for administrative support.





# PROGRAM

APRIL 21, 2022

**9h:** Welcome coffee & Conference Registration

**9h45:** Opening address (**Vincent Martinet**, Graduate School Economics & Management)

**10h-11h45:** Session 1 “*International flows (migration, climate aid, pollution) under climate pressure*” (session chair: Julien Lefèvre)

- Go where the wind doesn't blow: Climate damages heterogeneity and future migrations? by **Lesly Cassin**, A. Méjean, S. Zuber
- Why some countries receive more climate aid? An explanation by the tournament model, by **Jean-François Jacques**
- Are international climate aids really climate-related? An empirical analysis on the reporting of donor countries, by B. Bayramoglu, **Lucille Neumann-Noel**, A. Dequet
- International Production Chains and the Pollution Offshoring Hypothesis: An Empirical Investigation, by **Aurélien Saussay**, N. Zugravu-Soilita

**11h45-13h30:** Lunch ‘C-Basc’

**13h30-14h30:** Teasing session (session chair: Marc Leandri)

- Management sciences & the Anthropocene, by **Cédric Gossart**
- Design and economic & environmental assessment of a low-carbon mobility solution, by **Ariane Bousquet**
- How green are SRI labelled funds? Insights from a Machine Learning based clustering approach, by Y. Rannou, **Mohamed Amine Boutabba**, M. Mercadier
- Livestock regulation, land use and greenhouse gas mitigation: an analysis of second-best policies, by **Maxence Gérard**, S. De Cara, G. Meunier
- Robust Decarbonization Policies, by **Michel De Lara**, N. Montanari
- The role of international transfers in carbon pricing, by **Stellio Del Campo**

**14h30-14h40:** Technical break

**14h40-16h20:** Session 2 “*Adapting agriculture and forests to climate change*” (session chair: Stéphane De Cara)

- The Impact of Global Warming on Agriculture: An Equilibrium Perspective on Supply-Side Approaches, by **Christophe Gouel**
- The impact of Climate Change on Farmland Prices: a Repeat-Ricardian analysis, by **François Bareille** and R. Chakir
- Climate Change, Comparative Advantage and the Water Capability to Produce Agricultural Goods, by F. Candau, **Charles Regnacq**, J. Schlick
- Forest adaptation strategies to conciliate timber production and carbon sequestration objectives under multiple risk of extreme drought and windstorm risks, by **Sandrine Brèteau-Amoresa**, R. Yousef pourb, M. Hanewinkelc, M. Fortin

**16h20-16h45:** Coffee Break ‘C-Land’

**16h45-18h15:** Keynote Lecture – **Pr. Thomas Sterner**. *Designing climate policies to be fair and effective* (Chair: Vincent Martinet)

FAERE speech: **Mireille Chiroleu-Assouline** (President of the FAERE)

APRIL 22, 2022

**9h-10h45:** Session 3 “Carbon pricing, social impacts and policy design” (session chair: Maria-Eugenia Sanin)

- Understanding the resistance to carbon taxes: A case study of Sweden, by **Jens Ewald**, T. Sterner, E. Sterner
- Climate policies under income inequality, by M. Lefebvre, **Sarah Van Driessche**
- Backfire and marginal efficiency of Pigouvian taxation and redistribution to households, by **Emilien Ravigné**, F. Nadaud
- Flood risk information: Evidence from Paris housing markets, by **Katrin Millock**, E. Dubos-Paillard, E. Lavaine

**10h45-11h15:** Coffee Break ‘IES’

**11h15- 12h45:** Table ronde (**in French**) “Les stratégies climatiques à l'épreuve de l'urgence et des crises : de la science à la pratique”

Chair: **Patrick Schembri** (UVSQ, Université Paris-Saclay)

General introduction: **Jane Lecomte** (Vice-President Sustainable Development, Université Paris-Saclay)

Presentation of the GIEC reports: **Franck Lecocq** (CIRED, GIEC)

Panel: **Bertille Delaveau** (Centre sur le Changement Climatique de la Banque de France)

**François Lanavère** (AXA Climate)

**Benoît Leguet** (I4CE – Institut de l'économie pour le climat)

**José Lopez** (AFD – Agence Française de Développement)

**Aleksandar Rankovic** (Sciences-Po Paris)

**12h45-14h15:** Lunch ‘Biosphera’

**14h15-16h00:** Session 4: “Technological innovations, risks and transition paths” (session chair: Natalia Zugravu-Soilita)

- Optimal climate policy under tipping risk and temporal risk aversion, by **Romain Fillon**, C. Guivarch, N. Taconet
- Net Zero Carbon Metrics, by **Thierry Roncalli**, T. Le Gueneda, F. Lombard, T. Sekine
- Carbon Contracts for Difference for the development of low-carbon hydrogen in Europe, by C. Chaton, **Coline Metta-Versmessen**
- Environmental subsidies to mitigate transition risk, by E. Jondeau, G. Leveigue, J-G. Sahuc, **Gauthier Vermandel**

**16h:** Closing address from the organizing committee members