

INTERNATIONAL CONFERENCE

MAY 19-20, 2022

INNOVATION AND CLIMATE CHANGE GOVERNANCE

PROGRAM

LOCATION

INRAE, 147 Rue de l'Université, 75007 Paris

CONFERENCE ORGANIZERS

Basak Bayramoglu (Université Paris Saclay, INRAE, PSAE)
Guy Meunier (Université Paris Saclay, INRAE, PSAE)
Jean-Pierre Ponsard (CNRS-IP Paris)

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MAY 19, 2022

8:30-9:00 Participants welcome and registration

9:00-9:15 Welcome Address

9:15-11:15 INTELLECTUAL PROPERTY AND GREEN INNOVATION

- **Amrita Raychaudhuri** (University of Winnipeg)
Green technology, competition and patents
- **Matthieu Glachant** (Mines Paris Tech)
Intellectual property rights protection and the international transfer of low-carbon technologies
- **Julie Lochard** (ERUDITE, UPEC):
Does environmental regulation drive specialisation in green innovation?

Chair: Guy Meunier (Université Paris Saclay, INRAE, PSAE)

11:15-11:45 Coffee Break

11:45-12:45 PhD session – 1

- **Coline Metta-Versmessen** (Université Paris Dauphine, EDF R&D)
Carbon Contracts for Differences for the development of low-carbon hydrogen in Europe
- **Valentin Lignau** (Université Paris Nanterre, EconomiX, Climate Economics Chair)
Wind of Technical Change: Do Patent Matters?

Chair: Marc Baudry (EconomiX, Université Paris Nanterre)

12:45-14h15 Lunch

14:15-16:15 TRANSITION DYNAMICS AND INNOVATION

- **Erin Baker** (University of Massachusetts Amherst)
Low carbon energy R&D portfolios that are robust when models and experts disagree
- **Knut Rosendahl** (Norwegian University of Life Sciences)
Directed technical change and the resource curse
- **Rabah Amir** (University of Iowa)
Optimal dynamic pricing of green goods under discounted network effects

Chair: Jean-Pierre Ponsard (CNRS, IP-Paris)

16:15-16:45 Coffee Break

16:45 – 17:45 PhD session – 2 Hydrogen

- **Albin Kasser** (Université Paris Saclay, INRAE-PSAE & ENGIE)
A sustainable market niche for hydrogen in the transport sector?
- **Maryam Sadighi** (Université Paris-Saclay, Université d'Evry & ENGIE)
Cost-Benefit Analysis of Hydrogen for Energy Transition in Container Glass Sector: A Case Study

Chair: Quentin Hoarau (Université Paris Saclay, INRAE, PSAE)



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9:15-11:15 MULTILATERAL AGREEMENTS

- **Scott Barrett** (SIPA & Earth Institute, Columbia University)
Climate Technology Treaties
 - **Inmaculada Martínez-Zarzoso** (University of Göttingen & Universitat Jaume I)
Technology Internationalisation and Trade Agreements
 - **Michael Finus** (Department of Economics, University of Graz)
Global Climate Governance in the Light of Geoengineering: A Shot in the Dark?
- Chair: Basak Bayramoglu (Université Paris Saclay, INRAE, PSAE)**

11:15-11:45 Coffee Break

11:45-12:45 PhD session – 3

- **Lucille Neumann-Noël** (Université Paris Saclay, INRAE PSAE)
*Are international climate aid really climate-related?
A new empirical analysis with new data.*
 - **Ariane Bousquet** (Université Paris-Saclay, Université d'Evry, Renault R&D)
*How do new electric vehicle business models affect the dynamics
between the primary and secondary automotive markets?*
- Chair: Stéphane De Cara (Université Paris Saclay, INRAE, PSAE)**

12:45-14h00 Lunch

14:00-16:00 **SECTORAL POLICIES**

- **Timo Goeschl** (Heidelberg University)
*Energy efficiency for the poor: Varying subsidies and procedures in a refrigerator
replacement program*
 - **Elisabeth Isaksen** (Ragnar Frisch Centre for Economic Research)
Peer effects in green technology adoption: Evidence from electric vehicles
 - **Juan Pablo Montero** (Pontificia Universidad Católica de Chile)
Pricing congestion to increase traffic: The case of Bogota
- Chair: Maria-Eugenia Sanin (Université Paris Saclay, Université d'Evry)**

On January 1, 2022, a new research unit, **Paris-Saclay Applied Economics** (PSAE), was created. This INRAE-AgroParisTech Joint Research Unit is the result of the merger between ALISS and the Public Economics unit. PSAE is conducted by Stéphan Marette, assisted by Basak Bayramoglu and Guy Meunier.

CONTEXT AND CHALLENGES

PSAE is composed of about fifty permanent members from AgroParisTech and INRAE, and hosts an average of forty students and trainees each year.

PSAE is organized around 3 thematic axes:

- Sustainable diets
- Agricultural markets and agri-food chains
- Sustainable production systems

and two cross-cutting axes:

- Evaluation of public policies
- Quantitative data and methods.

The research conducted within PSAE aims to evaluate the economic efficiency of public policies in the three thematic areas mentioned above using theoretical analyses and quantitative methods. This effort to quantify economic impacts is based on the constitution of databases with the Odalim platform.

Recent work by PSAE members has focused on mitigation and adaptation policies, interactions between international trade and environmental policies, the possible emergence of plant-based protein foods, the impact of the Nutri-score or Eco-score on consumer food choices, and power relations within the agri-food industry. For all these issues, the impacts of different regulatory options (taxes, subsidies, mandates, technical standards) on the gains and losses of agents (producers, consumers, taxpayers) are studied.

RECENT PUBLICATIONS

- Allais, O., Leroy, P., & Mink, J. (2020). Changes in food purchases at retirement in France. *Food Policy*, vol 90, 101806.
- Bareille, F., Zavalloni, M., & Viaggi, D. (2022). Agglomeration bonus and endogenous group formation. *American Journal of Agricultural Economics*.
- Bayramoglu, B., & Jacques, J. F. (2022). Is Clean Development Always Possible? The Role of Environmental Policy in Developing Countries in the Presence of Aggregate Demand Spillovers. *Environmental Modeling & Assessment*, 27(1), 139-153.
- Chambolle, C., & Molina, H. (2021). Exclusive Dealing and Exclusionary Bundling. Forthcoming in *American Economic Journal: Microeconomics*.
- Gouel, C., & Laborde, D. (2021). The crucial role of domestic and international market-mediated adaptation to climate change. *Journal of Environmental Economics and Management*, 106, 102408.
- Orset, C. (2021). Is information a good policy instrument to influence the energy behaviour of households?. *Energy Economics*, 102, 105451.
- Saïdi, M., Ay, J. S., Marette, S., & Martin, C. (2020). Willingness-to-pay for reshuffling geographical indications. *Journal of Wine Economics*, 15(1), 95-111.
- Martinet, V., Del Campo, S., & Cairns, R. D. (2022). Intragenerational inequality aversion and intergenerational equity. *European Economic Review*, 104-075.
- Meunier, G., & Ponssard, J. P. (2020). Optimal policy and network effects for the deployment of zero emission vehicles. *European Economic Review*, 126, 103449.

WEBSITES

Economie Publique - Accueil

<https://www6.versailles-grignon.inrae.fr/psae>

Paris-Saclay Applied Economics

<https://hal.inrae.fr/PSAE>