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UMR 5206

Université Paris 8 Vincennes - Saint-Denis

**LED**

Laboratoire d'Économie Denis Diderot (EA 2022)

# Workshop 'Facts in Environmental and Energy Economics, Models and Practices, Past and Present'



**ESHET**

European Society for the History of Economic Thought

**CIRED Paris, 19-20 Oct. 2018**

## PROVISIONAL PROGRAM (4.0)

### OVERVIEW

	Friday 19 Oct. 2018	Saturday 20 Oct. 2018
8:45-9:00	Registration of the participants	
9:00-10:00	Opening session	Session #5: Models and reality
10:00-11:00	Session #1: History of growth and energy economics	
11:00-12:00	Coffee break	Coffee break
12:00-13:00	Session #2: Externalities	Roundtable
13:00-14:00	Lunch	Lunch
14:00-15:00	Session #3: Hotelling	Session #6: Integrated assessment models
15:00-16:00	Coffee break	Closing words
16:00-17:00	Session #4: Production and natural capital	
17:00-18:00	Short break	
18:00-19:00	Keynote lecture	
19:00-20:00		
20:00-late	Social dinner (optional)	

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**FRIDAY 19 OCT. 2018**

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**8:45-9:15 | Registration of the participants**

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**9:15-9:30 | Opening session**

Franck Lecocq (director of CIRED) [tbc], Antoine Missemmer (CNRS-CIRED, France), Marion Gaspard (Triangle-Lyon 2, France), Thomas M. Müller (LED-Paris 8, France)

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**9:30-11:00 | Session #1: History of growth and energy economics  
(chair: Aurélie Méjean, CNRS-CIRED, France)**

Wout Saelens (Univ. of Antwerp, Belgium)  
“Adding a Consumer Perspective to the History and Economics of Energy”  
[discussant: Roberto Ferreira da Cunha, IHS Cera, Brazil]

Antoine Missemmer (CNRS-CIRED, France) & Franck Nadaud (CNRS-CIRED, France)  
“The Linkage between Energy and Economic Output: A Return to Tryon’s 1927 Early Contribution”  
[discussant: Quentin Couix, Univ. Paris 1, France]

Christopher Jones (Arizona State Univ., USA)  
“Energy Facts in Growth Accounting Models”  
[discussant: Guido Erreygers, Univ. of Antwerp, Belgium]

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**11:00-11:30 | Coffee break**

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**11:30-13:00 | Session #2: Externalities  
(chair: Harro Maas, University of Lausanne, Switzerland)**

Nathalie Berta (REGARDS-Univ. of Reims CA, France)  
“Environmental Economics and the Least Cost Theorems in the Late 1960s. A Third Way between Idealized Pareto Optimality and Tradition Regulation”  
[discussant: Antonin Pottier, EHESS-CIRED, France]

Rebecca Livernois (Univ. of British Columbia, Canada)  
“Externalities in the Model and the World: Conceptual Problems with Estimating the Social Cost of Carbon”  
[discussant: Nathalie Berta, REGARDS-Univ. of Reims CA, France]

Vincent Viguié (ENPC-CIRED, France)  
“Urban Forms and GHG Emissions”  
[discussant: Thomas Beaussier, INRA, France]

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**13:00-14:00 | Lunch**

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**14:00-15:30 | Session #3: Hotelling  
(chair: Nathaniel Wolloch, Independent Scholar, Haifa, Israel)**

Antonin Pottier (EHESS-CIRED, France)  
“Has Economics Become Self-Referential? The Case of the Hotelling’s Argument”  
[discussant: Christopher Jones, Arizona State Univ., USA]

Roberto Ferreira da Cunha (IHS Cera, Brazil) & Antoine Missemmer (CNRS-CIRED, France)

“Hotelling and the Peak Oil: A Reassessment”

[discussant: Marion Gaspard, Triangle-Lyon 2, France]

Thomas M. Müller (LED-Paris 8, France), Marco P. V. Franco (UFMG, Brazil) & Marion Gaspard (Triangle-Lyon 2, France)

“Time Discounting in Hotelling’s Natural Resources Economics”

[discussant: Wout Saelens, Univ. of Antwerp, Belgium]

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**15:30-16:00 | Coffee break**

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**16:00-17:30 | Session #4: Production and natural capital  
(chair: Léa Tardieu, CIRED, France)**

Christian Bidard (EconomiX P.-Nanterre, France) & Guido Erreygers (Univ. of Antwerp, Belgium)

“Exhaustible Resources and Classical Theory”

[discussant: Marco P. V. Franco, UFMG, Brazil]

Quentin Couix (Univ. Paris 1, France)

“The Flow-Fund Model of Production in Retrospect”

[discussant: Thomas M. Müller, LED-Paris 8, France]

C. Tyler DesRoches (Arizona State Univ., USA)

“Specifying Critical Natural Capital with Equations and Graphs”

[discussant: Améline Vallet, AgroParisTech-ESE, France]

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**17:30-17:45 | Short break**

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**17:45-18:45 | Keynote lecture  
(chair: Marion Gaspard, Triangle-Lyon 2, France)**

Arthur Petersen (UCL, UK)

“Integrated Assessment: A Case Study on the GISMO Model of the PBL Netherlands Environmental Assessment Agency”

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**20:00-late | Social dinner (optional)**

Restaurant in Paris [tba]

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**SATURDAY 20 OCT. 2018**

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**9:15-10:45 | Session #5: Models and reality  
(chair: Améline Vallet, AgroParisTech-ESE, France)**

Emmanuel Combet (ADEME, France), Frédéric Gherzi (CNRS-CIRED, France), Julien Lefèvre (AgroParisTech-CIRED, France) & Gaëlle Le Treut (CIRED, France)

“Hybridation to Bridge the Gap between Bottom-Up and Top-Down Energy-Econ.-Environment Modelling”

[discussant: Arnaud Diemer, Univ. Clermont-Auvergne, France]

Romain Svartzman (McGill Univ., Canada)

“Financial and Socio-Ecological Instabilities – Towards a Comprehensive Analytical Framework”

[discussant: Gregor Semieniuk, SOAS, Univ. of London, UK]

David Glotin (CIRED, France), Cyril Bourgeois (CIRED, France), Louis-Gaëtan Giraudet (ENPC-CIRED, France) & Philippe Quirion (CNRS-CIRED, France)

“Prediction is Difficult, even if it’s about the Past: Backtesting Res-IRF, an Integrated Energy-Economy Model”

[discussant: Vincent Viguié, ENPC-CIRED, France]

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**10:45-11:15 | Coffee break**

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**11:15-12:45 | Roundtable**

(chair: Céline Guivarch, ENPC-CIRED, France)

Roger Guesnerie (Collège de France, France), Kirsten Halsnæs (Technical Univ. of Denmark, Denmark) & Jean-Charles Hourcade (CNRS-CIRED, France)

“Energy Economics, Climate Economics and the Consideration of Facts”

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**12:45-13:45 | Lunch**

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**13:45-15:15 | Session #6: Integrated assessment models**

(chair: Meriem Hamdi-Cherif, CIRED, France)

Arnaud Diemer (Univ. Clermont-Auvergne, France) & Ganna Gladkykh (Univ. of Iceland, Iceland)

“Integrated Assessment Models (IAMs). How to Integrate Energy, Climate and Economics? Challenges and Prospects”

[discussant: Frédéric Gherzi, CNRS-CIRED, France]

Thomas Beaussier (INRA, France)

“Combining Economic Models and Environmental Assessment Methods to Support Regional Policies: A Critical Review”

[discussant: Julien Lefèvre, AgroParisTech-CIRED, France]

Gregor Semieniuk (SOAS, Univ. of London, UK)

“The Impact of the Theory of Embodied Technical Change on Generating Future Energy Demand Facts in IAMs”

[discussant: Louis-Gaëtan Giraudet, ENPC-CIRED, France]

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**15:15-15:30 | Closing words**

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