Nicolas Taconet

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Research fields: Integrated Assessment Modeling, Climate change, Optimal taxation, Inequality and environment.

Education

2017–... **PhD in Environmental Economics**.
- **Centre International de Recherche en Environnement et Développement (CIRED)**
  Essays on the economic impacts of climate change: ethical and dynamic aspects.

2016–2017 **MPP in Sustainable Development**.
- **École des Ponts ParisTech**
  Course preparing for careers in public institutions and agencies related to sustainable development.

2014–2016 **MSc in Economics of Environment, Energy and Transport**.
- **École Polytechnique**
  Concentration in Prospective Modeling. Program providing quantitative tools to build long term economic models integrating interactions with energy and environment.

2009–2014 **BSc in Advanced Engineering**.
- **École Polytechnique**
  Multidisciplinary Engineering training.
- **"Classes Préparatoires"**
  Intensive undergraduate program in Mathematics and Physics leading to nationwide competitive examinations to enter the French Scientific Grandes Écoles.

Work Experience

March–July 2018 **French Ministry for the Environment**.
Policy Analyst in the Department 'Economics of Common Goods'
- Analysis of socio-technical uncertainties in low carbon pathways using Dynamic Marginal Abatement Curve.

2016–2017 **Agence Française de Développement**.
Research Assistant for the Chief Economist
- Study of carbon prices in line with the Paris Agreement in developing countries, using coupling between macro (GEMMES) and bottom-up (POLES) models.

March–July 2016 **CIRED**.
Research Fellow. Supervisor: C. Guivarch
- Developed a stochastic Integrated Assessment Model using Dynamic programming.

March–Aug 2015 **Environmental Defense Fund**.
Research Assistant for G. Wagner
- Provided background research for the World Bank-led Handbook "Emissions Trading in Practice".

Summer 2014 **Climate Economics Chair**.
Research Intern
- Carried on research on environmental valuation methods and discrete choice experiments in public policy.

Articles

In Progress **Distributional impacts of airline carbon taxation in France**.

In Progress **Optimal climate policy under inter and intra-generational inequalities: revisiting Schelling's conjecture**, *with Céline Guivarch and Aurélie Méjean.*

Submitted **Social Cost of Carbon under stochastic tipping points: does risk play a role?**, *with Céline Guivarch and Antonin Pottier*, Link to FAERE Working paper.

Under review **Climate change and inequality between countries: influence of climate change impacts and mitigation costs on inequalities in the 21st century**, *with Aurélie Méjean and Céline Guivarch*, Draft upon request.

Contribution to book chapters

In progress **Inégalités Internationales et Changement climatique**.
with Céline Guivarch, in Numéro Spécial "Ecologie et inégalité", Revue de l'OFCE (January 2020)

In progress **International inequality and climate change**.
with Céline Guivarch, in Routledge Handbook of the Political Economy of the Environment (2020)

Oral presentations

2019 **Journées Louis André Gérard Varet, Marseille, France**.
"Optimal emission targets and inequality between countries"

Aix-Marseille School of Economics, Aix-en-Provence, France.
"Stochastic tipping points: risk and expected damages"

CIRED Séminaire Doctorant, Paris, France.
"Optimal emission targets and inequality between countries"

2018 **Journées Climat et Impact Université Paris-Sud, Orsay, France**.
"Climate impacts and inequality between countries"

Eleventh Integrated Assessment Modelling Consortium, Sevilla, Spain.
"Optimal emissions path under multiple uncertainties: the role of the decision criteria"

Summer School EAERE-FEEM-VIU, Venice, Italy.
"Climate change may counterbalance the declining trend in inequality between countries"

International Energy Workshop, Gothenburg, Sweden.
"Drivers of future distribution of wealth between countries under climate change"

2016 **Ninth Integrated Assessment Modeling Consortium, Beijing, China**.
"Influence of tipping points on the Social Cost of Carbon"

Teaching

2018-2019 **École des Ponts ParisTech**.
Tutoring of students' projects on Cost Benefit Analysis (20h)

Agro ParisTech.
Integrated Assessment Models: DICE (6h), Tutoring of a student project on climate impact modeling in an IAM

2017-2018 **Université Sorbonne Paris Cité**.
Environmental Economics (36h)

École des Ponts ParisTech.
Cost-Benefit Analysis (10h), Industrial Organization (10h)

Miscellaneous

Languages	French (native language), English (fluent), German (C2), Italian (B2)
Computer	R, Python, SciLab, Stata
Volunteering	public writer (Montreuil), tutoring in prisons (GENEPI)
Hobbies	Sports and cinema