

Dr. Emeline Hily

Researcher and Lecturer

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Room 02012



My research mainly focuses on two interrelated topics:

- The analysis of existing synergies and trade-offs between biodiversity conservation and the provision of ecosystem services.
- The design of cost-effective incentive payments for biodiversity conservation in various contexts (asymmetric information, climate change, etc.).

I investigate these topics from both an empirical and a theoretical perspective. From a methodological point of view, my research is based on theoretical and especially integrated ecological-economic modelling as well as applied econometrics.

Research interests:

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- Environmental Economics
- Ecological-economic modelling
- Biodiversity conservation
- Contract theory
- Applied econometrics

Work experience

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Since 04/2018	Post-doctoral researcher and lecturer, Department of Environmental Economics and Resource Management, University of Freiburg
2017-2018	Lecturer in Microeconomics and Industrial Organization, Faculty of Law, Economics and Administration – University of Lorraine
2016-2017	Lecturer in Microeconomics, Faculty of Law, Economics and Management – University of Lorraine
2013-2015	Teaching assistant in Microeconomics and Public Economics, ENSAIA engineering school – University of Lorraine
2013-2016	Teaching assistant in Microeconomics and Public Economics, IAE Nancy School of Management – University of Lorraine
2013-2018	Research assistant, Laboratoire d'Economie Forestière, INRA, AgroParisTech, Nancy, France

## Education

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2013-2017	PhD in Economics, University of Lorraine and Laboratory of Forest Economics (Nancy, France)
Oct. 2015 – Feb. 2016	Visiting PhD student, Chair of Environmental Economics, Brandenburgische Technische Universität Cottbus (Germany)
2012-2013	M.Sc. in Environmental Economics, Sustainable Development and Energy Economics, AgroParisTech (Paris, France)
2010-2013	Engineering degree, Major in Environmental Economics, AgroParisTech (Paris, France)

## Teaching (selection)

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- Introduction to Economics – M.Sc. “Renewable Energy Engineering and Management” (Winter 2019)
- Economics of Renewable Energy – M.Sc. “Renewable Energy Engineering and Management” (Summer 2018)
- Markets and regulation – Lectures (Graduate students) University of Lorraine (2017 – 2018)
- Microeconomics – Lectures (Undergraduate students, 3rd semester), University of Lorraine (2017 – 2018)
- Industrial Organization – Lectures (Graduate students), University of Lorraine (2017 – 2018)
- Microeconomics – Tutorials (Undergraduate students, 1st and 3rd semester), University of Lorraine (2013 – 2017)
- Public Economics – Tutorials (Undergraduate students, 4th semester), University of Lorraine (2015 – 2016)
- Introduction to Environmental Economics – Lectures and tutorials (Graduate students), University of Lorraine (2013 – 2016)

## Publications

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Publications in peer reviewed journals:

Hily E., Garcia S., Stenger A., Tu G., Assessing the cost-effectiveness of a biodiversity conservation policy: A bio-econometric analysis of Natura 2000 contracts in forest, *Ecological Economics*, Volume 119, November 2015, Pages 197-208

Working papers:

Hily E. and Gegout J-C. (2016). Designing species-specific conservation contracts with unobservable conservation costs and benefits. *Cahiers du LEF* n°2016-02. In revision in *Environmental and Resource Economics*

Hily E., Drechsler M. and Wätzold F., (2017). Cost-effectiveness of conservation payment schemes under climate change. *Cahiers du LEF* n°2017-01

Work in progress:

Bocqueho G., Hily E., Langlois B. and Tardieu L., Ecological-Economic spatial models for an efficient provision of ecosystem services: A Review

Hily E. and Garcia S., Spatial prioritization for biodiversity conservation – An ecological-econometric analysis

Book chapters and reports :

Weiss G., Ecochard L., Hily E., Garcia S., (2017). Economic effects and funding of Natura 2000 in forests. In What science can tell us? Natura 2000 and forests – Assessing the state of implementation and effectiveness. Metodi Sotirov, Gerhard Weiss and Georg Winkel (Eds). European Forest Institute

Hily E., Tardieu L. (2018). Tools for a better accounting of natural capital in territorial decisions. In Re-connecting Natural and Cultural Capital. Contributions from Science and Policy. Maria Luisa Paracchini, Pier Carlo Zingari, Carlo Blasi (Eds). Office of Publications of the European Union, Luxembourg. (doi: 10.2788/258513)