

Hugo Pillu
27 years old
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Ph.D. in Economics
Technical change Economist, Energy Economics.



International Mobility

Degrees & Education

- 2006-2009 **PhD in economics**, Ecole Centrale Paris (expected dissertation date, November 2009).
- 2003-2006 **Magistère of economics** University Paris I Pantheon-Sorbonne / ENS Ulm / EHESS
- 2005-2006 **Masters Degree in research in international economy**, University Paris I.
- 2004-2005 **Bachelor in Economics and Econometrics**, University Paris I.

Working Experience

- 2006-2009 Conduct of the research project (thesis): «**Study of knowledge flows through patent citations data. Focus on energy efficiency technologies**», Ecole Centrale Paris.
 - Empirical studies based on patent citations data. Measure of international knowledge flows and stocks through input-based patent citation indicator. Study of main determinants of innovation in efficient technologies and renewable energy through the methodologies previously developed.
 - Setting objectives and protocol analysis; development of theoretical models, development and management of relational databases; using econometric tools; publication and communication of results.
- 2005 Economic study coordinator. Internship at the University of Paris V on the **project Epinum**. Design and development of telecommunication facilities in rural Africa.

Participation to European projects supported by DG Research and DG Environment:

- 2009 **Demeter project**: Development of methods and tools for evaluation of research. Theoretical reflexion on knowledge externalities and modelling issues.
- 2008- 2009 **Models project**: Model Development for the Evaluation of Lisbon Strategies. Specification and estimation of wage functions according to workers education, for the macro econometrics model NEMESIS
- 2006-2008 **Forasset project**: Foresight and assessment for environmental technologies. Specification and estimation of production function and their implementation in the model NEMESIS

Teaching experience & others activities:

- 2006- 2009 Teaching Assistant, Economics, Ecole Centrale Paris
- 2009 Referee for the *Revue Economique*

Skills

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|-----------|---------------------------------------|-----------------|
| Languages | French | native language |
| | English | business |
| | Italian | rudiments |
| Softwares | Office pack, TSP, Lyx, LaTeX & MySQL. | |

Communications

- 2009 “*Zvi Griliches Research Summer School in the Economics of Innovation.*” Barcelona Graduate School of Economics. July 13-15, 2009. Barcelona, Spain.
- “*Firms, Markets and Innovation.*” French Economic Association (AFSE). June 25-26, 2009. Sophia-Antipolis, France.
- “*2009 International Energy Workshop.*” Fondazione Eni Enrico Mattei / Euro-Mediterranean Center on Climate Change. June, 17-19. Venice, Italy.
- 2008 “*Patent Statistics for Decision Makers: Patenting, Innovation, Valuation.*” EPO/OECD, September 3-4, 2008. Vienna, Austria.
- “*Enerday, 3rd Conference on Energy Economics and Technology.*” Dresden University of Technology. April 11, 2008, Dresden, Germany.
- “*Reperes, L’innovation dans le secteur énergétique.*” Bureau of studies on research statistics from the Ministry Of Education and Research (FR). January 14, 2008. Paris, France.
- 2007 “*Applied econometrics association, Patent & Innovations*”, Association d’Econométrie Appliquée, June 28-29, 2007. Strasbourg, France.

Working papers

- 2009 “*Induced price innovation and international knowledge spillovers*” with Gilles Koléda, ERASME working paper.
- “*Les externalités de connaissance: Une revue de la littérature*”, ERASME working paper.
- “*Knowledge spillovers: A meta-analysis.*” ERASME working paper.
- 2008 “*Measure of international knowledge flows through input-based patent citation indicator*” ERASME working paper.
- “*Induced Innovation and International Technological Opportunity in the Field of Energy: Evidence from World Patent Citations*” with Gilles Koléda, ERASME working paper.
- 2007 “*Induced Energy Saving Innovation: An empirical study using French data*” with Gilles Koléda, Miméo.
- 2006 “*Théorie de l’innovation induite et prix de l’énergie*”, Miméo.