

Florent Mc Isaac | Economist

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Nationality: French—**Date of birth:** 7/28/1989

Current position

- **French Development Agency (AFD)** **Paris**
Economist, Macroeconomic Modeling *October 2015–present*
Member of the macroeconomic modelling program GEMMES (GEneralized Monetary Macrodynamics Multisectoral for the Ecological Shift) in the research department of the AFD.
- **Energy and Prosperity Academic Committee** **Paris**
Associate researcher, (ENS ULM, X, ENSAE) *January 2017–present*
Research topics: macroeconomic modelling, energy shift, finance, economy and climate interaction, estimation and simulation of continuous-time stochastic process, dynamical systems.

Academics

Academic qualifications.....

- **Ph.D. in Applied Mathematics at Université de Paris 1–Panthéon-Sorbonne**
Title: *Energy and Money in New Frameworks for Macro-dynamics* *December 14, 2016*
- **Ph.D. committee:** **G. Giraud** (CNRS—Advisor), **M. Grasselli** (McMaster University), **M. Lavoie** (Ottawa University), **S. Keen** (Kingston University), **I. Ekeland** (Université de Paris Dauphine), **A. Nguyen-Huu** (Université de Montpellier), **C. Chorro** (Université de Paris Panthéon-Sorbonne)

Publications.....

- **“The effects of Oil Price Shocks in a New-Keynesian Framework with Capital Accumulation”**
Energy Policy, Volume 86, November 2015, Pages 844–854
with Veronica Acurio, Gaël Giraud, and Ngoc Sang Pham
- **“Coping with Collapse: A Stock-Flow Consistent Monetary Macrodynamics of Global Warming”**
Ecological Economics, Volume 147, January 2018, Pages 383-398
with Gaël Giraud, and Emmanuel Bovari
- **“Debt and damages: What are the chances of staying under the +2C warming threshold?”**
International Economics, Volume 147, February 2018, In press
with Gaël Giraud, and Emmanuel Bovari

Working papers.....

- **“Carbon Pricing and Global Warming: A Stock-flow Consistent Macro-dynamic Approach”**
Working Paper, Available here
with Gaël Giraud, and Emmanuel Bovari

- **“An Input-Output Analysis: What Would A Low-Carbon Economy For Brazil Mean?”**
○ *Working Paper, Available here*
with Daniel Bastidas
- **“Testing Goodwin with a Stochastic Differential Approach—The United-States 1948-2015”**
○ *Working Paper, Available in the Ph.D. Thesis*
- **“Minskyan Classical Growth Cycles”**
○ *Working Paper, Available in the Ph.D. Thesis*
with Adrien Fabre
- **“An Augmented Net Oil Price”**
○ *Working Paper, Available on demand*
- **“Influence of Weather Variability on Orange Juice Prices”**
○ *Working Paper, Available in SSRN*
with Marius Frunza, and Frank Laudicina
- **“La dette publique française justifie-t-elle l’austérité budgétaire ?”**
○ *Working Paper, Available in CES Working Paper*
with Gaël Giraud, and Rossi Abi-Rafeh

Conference presentations.....

- **“Coping with the Collapse”**
○ *23 November, 2017/Amsterdam, Netherlands, CEP Workshop hosted at the DNB*
- **“An Input-Output Analysis: What Would A Low-Carbon Economy For Brazil Mean?”**
○ *11 October, 2017/Paris, France, Workshop Green Finance–Energy and Prosperity Academic Committee*
- **“Coping with the Collapse”**
○ *20 January, 2017/Paris, France, Energy and Prosperity Academic Committee*
- **“Testing Goodwin with a Stochastic Differential Approach—The United-States 1948-2015”**
○ *25-26 November, 2016/Cernay, France, Energy and Prosperity Academic Committee*
- **“An Augmented Net Oil Price”**
○ *25-27 October, 2015/Pittsburg, USA, International Association for Energy Economics*
- **“An Augmented Net Oil Price”**
○ *25-27 May, 2015/Antalya, Turkey, International Association for Energy Economics*
- **“Oil and Debts: Are they Substitutes?”**
○ *28-31 October, 2014/Rome, Italy, European International Association for Energy Economics*
- **“The effects of Oil Price Shocks in a New-Keynesian Framework with Capital Accumulation”**
○ *19-21 September, 2014/Beijing, China, Asian International Association for Energy Economics*
- **“The effects of Oil Price Shocks in a New-Keynesian Framework with Capital Accumulation”**
○ *27-29 June, 2013/Istanbul, Turkey, International Conference on Applied Economics*
- **“Oil and Debts: Are they Substitutes?”**
○ *6-8 June, 2013/Paris, France, Financial Engineering and Banking Society*
- **“Influence of Weather Variability on Orange Juice Prices”**
○ *1-3 September, 2012/Oviedo, Spain, Computational and Financial Econometrics*

Teaching assistantships

- **ENPC- PARITECH** 2015-6
○ *Macroeconomic modeling, Professor: Gaël Giraud*
- **Université Paris 13—Erasmus Mundus** 2016
○ *Macroeconomic modeling, Professor: Gaël Giraud*
- **UFR 27: Mathematics – Université de Paris Panthéon-Sorbonne** 2013-5
○ *Analysis S5 (Topology and Differential Calculus) for L3 MASS*
Professors: Denis Pennequin and Moncef Meddeb
- **UFR 27: Mathematics – Université de Paris Panthéon-Sorbonne** 2013-5
○ *Corporate Finance for M1 MAEF*
Professor: Duc Khuong Nguyen
- **UFR 02: Economics - Université de Paris Panthéon-Sorbonne** 2012-3
○ *Mathematics for L1 Economie*
Professor: Claude Bressand
- **UFR 02: Economics - Université de Paris Panthéon-Sorbonne** 2012-3
○ *Financial Markets for M1 Finance*
Lecturer: Benjamin Hamidi

Software skills

- **Programming and Mathematical Languages:** TeX, R, Matlab, C, C++, Java, PHP, JavaScript, HTML.
- **Industry Software Skills:** Word, Excel, Power-point.

Languages

- **English:** Excellent
- **French:** Native speaker