Sophie Bérean

Date of birth: October 6, 1981
Citizenship: French
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Positions

Current positions

- 2012-... **Associate fellow**, Center for Operations Research and Econometrics (CORE), UCL
- 2011-... **Assistant Professor of Finance**, UCL-LSM

Past positions

- 2010-11 Research scholar, CREST-INSEE, Macroeconomics department
  Visiting lecturer, University of Namur
- 2009-11 Associate researcher, Center for Economic Studies (CES), KULeuven
- 2009-10 Visiting scholar under the supervision of Prof. P. De Grauwe, International Macroeconomics working group, KULeuven
- 2007-10 Research scholar, Université Paris Ouest
- 2006-08 Intern under the supervision of Prof. A. Bénassy-Quéré and V. Mignon, CEPII

Education

- 2007-10 **PhD in Economics**, under the supervision of Prof. V. Mignon, Université Paris Ouest
  Defended on October 08, 2010 and obtained *with highest honors*
  - Title: *Exchange rate nonlinear dynamics - From the short to the long run*
  - Committee: A. Bénassy-Quéré (CEPII and Ecole Polytechnique), P. De Grauwe (KULeuven), C. Hurlin (referee, Université d'Orléans), R. MacDonald (referee, University of Glasgow), V. Mignon (supervisor), H. Raymond-Feingold (president, Université Paris Ouest)
- 2005-07 **M.Sc. in Applied Modelling**, *with highest honors*, Université Paris Ouest
- 2002-05 **B.Sc. in Applied Mathematics and Econometrics**, *with highest honors*, Université Paris 7 and Université Paris Ouest
- 1999-02 **Musical studies**, harp classes in Dijon, Paris (France) and Venise (Italy)
- 1999 **High school degree**, major in Physics, *with highest honors*

Distinctions

- 2013 FSR Funding for the project on "The Econometrics of Financial Complexity"
- 2011 Fondation Banque de France Prize for the best PhD in Monetary, Financial and Banking Economics
- 2010-11 CREST-INSEE research grant
- 2007-10 Ministerial scholarship for PhD research
- 2006-07 Ministerial scholarship for studies in a Master's program

Research activities

Keywords

International Finance: exchange rate and asset price dynamics, systemic risk
Behavioural finance: heterogeneous agent models, financial complex systems, financial networks
Applied econometrics: time series, macro panel data, nonlinear modelling, econometrics of network

Grants

Béreau, S., 2013. 'A spatial econometrics approach of financial complexity'. Fonds Spéciaux de Recherche (FSR), UCL

Béreau, S., Bernal, O., Castiaux, A. and J.-Y. Gnabo, 2013. 'Financial CompleX Systems (FiXS)'. Action de Recherche Concertée (ARC), UNamur

N.B. I actively contributed to the redaction of the project and am now involved in the research activities of the group, but could not be considered as an official promoter due to my non-tenured status at UCL

Peer-reviewed publications

Béreau, S., Lòpez Villavicencio, A. and V. Mignon, 2012. 'Real Exchange Rate Misalignments and Growth: A New Look using Nonlinear Panel Data methods'. ***Applied Economics***, 44(27), 3503-3511.

Bénassy-Quéré, A. and S. Béreau, 2010. 'Rebalancing IMF Quotas'. ***The World Economy***, 34(2), 223-247.

Bénassy-Quéré, A., Béreau, S. and V. Mignon, 2010. 'On the complementarity of equilibrium exchange rate approaches'. ***Review of International Economics***, 18(4), 618-632.

Béreau, S., Lòpez Villavicencio, A. and V. Mignon, 2010. 'Nonlinear Adjustment of the Real Exchange Rate Towards its Equilibrium Value: A Panel Smooth Transition Error Correction Modelling'. ***Economic Modelling***, 27(1), 404-416.

Bénassy-Quéré, A., Béreau, S. and V. Mignon, 2009. 'The Dollar in the Turmoil'. ***Journal of the Japanese and International Economies***, 23(4), 427-436.

Bénassy-Quéré, A., Béreau, S. and V. Mignon, 2009. 'Robust Estimations of Equilibrium Exchange Rates within the G20: A Panel BEER Approach'. ***The Scottish Journal of Political Economy***, 56(5), 608-633.

Bénassy-Quéré, A., Béreau, S. and V. Mignon, 2009. 'Taux de change d'équilibre : une question d'horizon'. ***Revue Economique***, vol. 60, n°3, 657-666.

Béreau, S., 2007. 'Une mesure macroéconométrique "à la Feldstein-Horioka" du degré d'intégration financière en Europe, ***Economie Internationale***, n° 110, 63-106.

Chapters in books

Béreau, S., 2013. 'Time is Money: An Heterogenous Agent Model for the FX', in "Proceedings of the European Conference on Complex Systems 2012", Springer Proceedings in Complexity.

Bénassy-Quéré, A., Béreau, S. et V. Mignon, 2009. 'Taux de change de l'euro : perspectives de moyen et long termes', in "L'économie mondiale 2009", Paris : La découverte, collection Repères.

In progress

Béreau, S., 2013. 'An agent-based modelling of the exchange rate disconnect puzzle'. *Submitted.*

Béreau, S., Gnabo, J.-Y. and T. Quang, 2013. 'Debt structure and growth in emerging economies'. *Submitted.*

Béreau, S., Gnabo, J.-Y., Vandenbem, C. and D. Zountcheme, 2013. 'Why are they systemic? A panel analysis of the determinants of SIFIs'. Mimeo.

Béreau, S. and C.-H. Dahlqvist, 2013. 'The relationship between CDS spreads and bond yields revisited: An information-based test of causality'. Mimeo.

Béreau, S. and A. Casteleyn, 2013. 'The impact of short-selling regulation on financial stability: An HAM-based empirical assessment'. Mimeo.

Bénassy-Quéré, A., Béreau, S., Decreux, Y., Gouel, C. and S. Poncet, 2007. 'IMF Quotas at Year 2030'. *CEPII Working Paper*, n°2007-12.

Participation to conferences

European Conference on Complex Systems (ECCS'12), Dynamics, Economic Growth and International Trade Conference (DEGIT 2012), International Conference in Macroeocnomics and International Finance (ICMAIF 2012), Conference of the Association for the Development of Research in Economics and Statistics (ADRES 2011), Econometric Society European Meeting (ESEM 2009), Eureopan Economic Associate Conference (EEA 2008), Research in International Economics and Finance Conference (RIEF 2009), Theory and Methods of Macroeconomics Conference (T2M 2009, 2008), International Symposium on Forcasting (ISF 2008), Spring Meeting of Young Economists (SMYE 2008), Journées de l'Association Française de Sciences Economiques (AFSE 2008, 2011), Journées du Groupe de Recherche en Economie Bancaire et Financère (GdRE 2008), etc.

Participation to seminars

External Seminar (University of Amsterdam, 2012; University of Kent, 2011), Large Graphs and Networks Seminar (UCL, 2012), CORE Finance/Econometrics seminar (UCL, 2009, 2011), CREST internal seminars (CREST, 2010-2011), Econometrics workshop (Univ. Paris Ouest, 2010), CEPII internal seminar (CEPII, 2007), EconomiX PhD and lunch seminars (Univ. Paris Ouest, 2007-2010), etc.

Referee reports	Review of Financial Analysis, Economics Research International, Economie Internationale/International Economics, Economie et Prévision, Finance, Revue Economique, Revue d'Economie Politique

Teaching activities

Current teaching	2013-..	**Econometrics and Forecasting**, 15h-course in English, Joint UCL-LSM and ICHEC CFA programme
	2011-..	**Advanced Finance**, 30h-course in English, LSM CEMS Master's programme
		Finance approfondie, 30h-course in French, LSM Master's programme
		Portfolio Theory, 30h-course in English, UCL Bachelor's programme
Past Teaching	2010-11	**Finance theory**, 30h-course in French, Undergraduate program, University of Namur
	2008-10	**Data analysis**, 30h-course in French, Master's programme, Université Paris Ouest
	2007-08	**Macroeconomic dynamics**, Tutorials in French, Bachelor's programme, Université Paris Ouest
		Business cycles analysis, Tutorials in French, Bachelor's programme, Université Paris Ouest
	2005-06	**Mathematics**, Tutorials in French, Bachelor's programme, Université Paris Ouest

Administrative responsibilities

Current act.	2013-..	**Vice-director of the CeSAM** (Center for Studies in Asset Management), UCL-LSM
	2012-..	**Co-organizer** of the **CeSAM PhD seminars**, UCL-LSM
		Co-organizer of the **CORE/LSM Econometrics seminars**, UCL-CORE/LSM
	2011-..	**Responsible** for the **reading seminars** in Finance within the ILSM PhD programme, UCL-LSM
	2013-14	**Co-organizer** of the **PhD conference** in International macroeconomics and financial econometrics, [link], UCL-LSM, UNamur and Université Paris Ouest
	2011-12	**Co-organizer** of the **CEMS Finance conference and PhD course**, UCL-LSM
Past act.	2008-11	Member of the Board of EconomiX research center (elected rep. of the PhD students)
	2007-11	Member of the PhD staff for the "Econometrics workshop", Université Paris Ouest
	2010-11	Member of the PhD staff for the "Annual Congress of the French Economic Association", Nanterre, France
	2008-10	Co-organizer of the semi-monthly PhD students' seminar
	2008-10	Co-editor of the PhD students' blog

2008-09 Co-organizer of the "Doctoral Workshop in International Financial Macroeconomics" (CEPN, Université Paris Nord and EconomiX, Université Paris Ouest)

Last update: December 7, 2013