Sophie BÉREAU-GNABO
Date of birth: October 6, 1981
Citizenship: French
Family status: Married, two children
(born in 2015 and 2020)

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1. Positions

Current positions		
2020-...	Professor of Economics	Université de Lorraine (UL)
2019-…	Professor of finance and quantitative methods (FQM)	Université de Namur (UNamur), on leave as from January 2021
Past positions		
2016-2019	Associate professor of FQM	
2014-2018	Associate professor of finance	UNamur
	Faculty member	Université catholique de Louvain (UCL, on leave since 2016)
2015-2017	Consultant	Center for Operations Research and Econometrics (CORE)
		Banque de France, Business Conditions and
2014-2016	Co-director	Macroeconomic forecasting directorate
2012-2014	Research fellow	CORE
2011-2014	Assistant professor of finance	CORE
2010-2011	Research scholar	UCL
	Visiting lecturer	CREST-INSEE, Macroeconomics department
2009-2011	Associate researcher	UNamur
2009-2010	Visiting scholar	Center for Economic Studies (CES), KULeuven
2007-2010	Research scholar	CES, KULeuven
2006-2008	Intern	Université Paris-Nanterre (UPN)
		Centre d'Etudes Prospectives et d'Information Internationale (CEPII, France)

2. Education

2007-2010	PhD in Economics, under the supervision of Prof. V. Mignon Defended on October 08, 2010 and obtained with highest honours 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-Nanterre)	UPN
2005-2007	M.Sc. in Econometrics, with highest honours	UPN
2002-2005	B.Sc. in Applied Mathematics and Econometrics, with highest honours	Univ. Paris
1999-2002	Musical studies, harp classes in Dijon, Paris (France) and Venise (Italy)	Diderot
1999	High school degree, major in Physics, with highest honours	

3. Distinctions and grants

2018 BNB grant (8000 EUR) for the project on "Endogenous categories in European mutual funds' industry over time: an empirical investigation"
2013 FSR grant (42,860 EUR) for the project on "The Econometrics of Financial Complexity", UCL
N.B. FSR stands for the "Fonds Spéciaux de la Recherche" from the Belgian National Fund for Scientific Research

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

4. Research activities

Research interests
International Finance: exchange rate and asset price dynamics, systemic risk
Financial complexity: heterogeneous agent models, financial complex systems, financial networks
Sustainability: sustainability metrics, sustainable finance strategies
Econometrics: time series, macro panel data, nonlinear modelling, econometrics of network

Grants
Béreau, S., 2018. 'Endogenous categories in European mutual funds' industry over time: an empirical investigation', BNB grant, UNamur
Béreau, S., 2013. 'A spatial econometrics approach of financial complexity'. Fonds Spéciaux de Recherche (FSR), UCL

Publications
Gandica, Y., Béreau, S. and J.-Y. Gnabo, 2020. 'A multilevel analysis of financial institutions' systemic exposure from local and system-wide information', Scientific Report, 10(1).
Béreau, S., Gnabo, J.-Y. and H. Vanhomwegen, 2019. 'Making a difference: European mutual funds distinctiveness and peers' performance'. Finance, vol. 41, 7-51.
Gandica, Y., Geraci, M., Béreau, S. and J.-Y. Gnabo, 2018. 'Fragmentation, integration and macroprudential surveillance of the US financial industry: Insights from network science', PLOS*ONE* 13(4).
Béreau, S., Gnabo, J-Y, Kerkour, M. and H Raymond, 2017. 'Sovereign wealth funds' investments and industry performance: Evidence from Europe', Handbook of Sovereign Wealth Funds, Oxford Univ. Press.
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, [B1].
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.
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.

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

Working papers/work in progress

Béreau, S., Gnabo, J.-Y. and J. Soudant, 2019. 'ECB Monetary Policy and Cross-Market Financial Spillovers: Evidence from large TVP-VAR'. CORE working paper, submitted.

Béreau, S., Gnabo, J.-Y. and H. Vanhomwegen, 2018. 'Making a difference: European mutual funds distinctiveness and peers' performance'. CORE working paper, forthcoming.

Béreau, S., Faubert, V., and K. Schmidt, 2017. 'Inflation forecasts in the euro area: Are domestic and global factors useful in forecasting the mean and the distribution of euro area inflation?'. Banque de France working paper #663, [BFS].

Béreau, S., Debarsy, N., Dossougoin, C. and J.-Y. Gnabo, 2017. 'Contagion in large US banking institutions: A robust analysis'. In revision, [BDDG].

Béreau, S., Casteleyn, A., Gnabo, J., Zwinkels, R., 2015. 'Commonality among equity mutual funds: impact on financial stability and price discovery'. In revision.

Béreau, S., Dahlqvist, C.-H. and J.-Y. Gnabo, 2015. 'Effective network inference through multivariate information transfer estimation'. [BDG].

Béreau, S., 2015. 'An agent-based modelling of the exchange rate disconnect puzzle' [B2].

Béreau, S. and C.-H. Dahlqvist, 2015. 'The relationship between CDS spreads and bond yields revisited: An information-based test of causality'. Submitted, [BD].

Béreau, S. and A. Casteleyn, 2015. 'The impact of short-selling regulation on financial stability: An HAM-based empirical assessment'. Mimeo, [BC].

Béreau, S., Gnabo, J.-Y., and D. Zountcheme, 2014. 'Risk-sharing or risk contagion in financial systems. An empirical investigation'. Mimeo, [BGZ].

Béreau, S., Gnabo, J.-Y. and T. Quang, 2013. 'Debt structure and growth in emerging economies'. Mimeo, [BGQ].

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

Selected presentation in conferences/workshops/seminars

CRESE seminar	Univ. Besançon	19/04/11	presentation [BDDG]
Workshop on SES	Univ. Bourgogne	18/05/25	presentation [BDDG]
Internal seminar	Banque de France	18/01/25	presentation [BFS]
DeFiPP workshop	UNamur	17/12/12	presentation [BFS]
Winter school and workshop	UCL	16/12/12-16	co-organisation
BENet'16	UCL	16/12/15	co-organisation
Winter school and workshop	UCL	14/12/1-5	co-organisation, presentation [BDG]
BENet'14	ULB	14/10/03	presentation of [BGZ]
ECCS'14	IMT, Lucca	14/09/22	presentation of [BD]
Invited keynote lecture	Ghent Univ.	14/09/19	keynote lecture
Skema	Univ. de Lille	14/04/31	presentation of [BGZ]
ISBA Statistical workshop	UCL	14/04/11	presentation of [BGZ]
PhD conf.	Univ. Paris-Nanterre	14/03/19	co-organisation and discussion
Journée d'Econométrie	Univ. Paris-Nanterre	13/12/11	presentation of [BGZ] and [BD], discussion
IRES Research seminar	UCL	13/10/24	presentation of [B1]
FiXS workshop	Univ. de Namur	13/06/20	co-organisation, presentation of [B1]
naXys seminar	Univ. de Namur	13/06/11	presentation of [B1]

ICMAIF	Univ. of Crete	13/05/31	presentation of [B1]
PhD conf.	Univ. Paris-Nanterre	13/03/27	co-organisation and discussion
ECORE seminar	ULB	13/03/25	discussion
External seminar	Univ. of Amsterdam	13/11/23	presentation of [B2]
Journée d'Econométrie	Univ. Paris-Nanterre	13/11/21	presentation of [BGQ]
Large Graphs and Networks seminar	UCL	13/09/21	presentation of [B2]
DEGIT conf.	Univ. degli Studi di Milano	12/09/13	presentation of [BGQ]
ECCS'12	ULB	12/09/03	presentation of [B1]
ICMAIF	Univ. of Crete	12/05/24	presentation of [B2], discussion
Séminaire « 18 mois »	Univ. Paris 1	12/03/22	discussion
CORE Econometrics seminar	UCL	11/12/12	presentation of [B2]
MIFN conf.	Univ. d'Orléans	11/10/21	presentation of [B2]
AFSE congress	Univ. Paris-Nanterre	11/09/08	reception of the Fondation Banque de France prize

N.B.: AFSE, MIFN, ECCS, DEGIT, ICMAIF, BENet and FiXS acronyms stand for: "Association Française de Sciences Economiques", "Methods in International Finance Network", "European Conference in Complex Systems", "Dynamics, Economic Growth, and International Trade", "International Conference in Macroeconomic Analysis and International Finance", "Belgian network", "Financial CompleX Systems" resp. PhD conf. corresponds joint doctoral workshop.

PhD (co-)supervisions

Camille Baily (2018-., UNamur, FRESH grant), "Sustainable finance and the AM industry: Exploring the role of competition in the transition of mutual funds towards sustainable investments", ongoing
Joey Soudant (2016-., UNamur, FNRS grant), "Heterogeneity, learning and monetary policy », ongoing
Cyrille Dossougoin (2013-2018, UCL with N. Debarsy, FNRS grant), "Essays on empirical financial spillovers", now Financial Services consultant at CapGemini
Nicolas K. Scholtes (2013-2018, UCL-UNamur with J-Y. Gnabo, ARC grant), "Interbank Networks and Financial Stability", now Treasury Risk Analyst at Euroclear
Carl-Henrik Dahlqvist (2013-2018, UCL-UNamur with J.-Y. Gnabo), "Essays in Econophysics and Applied Econometrics: Modelling Complexity in Finance", now PhD candidate in Physics at the Univ. of Liège

Participation to PhD committees

Felix Sommers (UCL, Machine Learning, 2017); Pauline Gandré (ENS Lyon, Economics, 2016); Malik Kerkour (UNamur, Finance, 2016); Diane Pierret (UCL, Statistics, 2014) ; Maïa Gejadze (UCL, Finance, 2014); Ilham Riachi (UCL, Finance, 2013)

Referee reports

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

5. Teaching activities

Current teaching

2020-...	Multiavariate Analysis and Data Mining for Financial Time Series	Master's program, UL
	Programming in R	Master's program, UL

	Finance éthique	Master's program, UL
	Marchés énergétiques et finance verte	Master's program, UL
2019-…	Econométrie pour ingénieurs	Bachelor's program in Business Engineering, UNamur

Past teaching

2018-2020	Sustainable Finance	Master's program in Management, UNamur
	Portfolio Theory	Bachelor's program in Economics, UCL
2016-2019	Statistiques pour Sciences Humaines	Bachelor's program in Political Sciences, UNamur
2017-2020	Théorie financière	Master's program in Management, UNamur
2016-2020	Probabilités et statistique inférentielle	Bachelor's program in Economics, UNamur
	Portfolio Management	Master's program in Management, UNamur
	Introduction à l'économétrie	UCL's MOOC on the edX plateform[1]
2016-2018	Computational Finance	Master's program in Management, UCL
2014-2016	Capital Markets' Theory	Master's program in Economics, UCL
	Empirical Finance	Master's program in Management, UCL
2011-2015	Portfolio theory	Bachelor's program in Economics, UCL
	Advanced Finance	Master's program in Management, UCL
2013-2014	Econometrics and Forecasting	Master's program in Management, UCL
2010-2011	Théorie financière	Master's program in Management, UNamur
2008-2010	Analyse de données	Master's program in Economics, UPN

6. Administrative responsibilities

2019-2020	Organizer of the Belgian Finance PhD workshop[2]	UNamur
2018-…	Academic director of the bachelor's and master's programs in Business Engineering	UNamur
	Academic responsible of the Finance domain	UNamur
2016-…	Responsible of the task-force devoted to "Rethinking Economics and Management in a transition world"	UNamur
2013-…	Co-organizer of the PhD conference in International macroeconomics and financial econometrics series	Univ. Paris-Nanterre, UNamur and UCL
2014-2016	Co-director of CORE	UCL
	Co-organizer of the "Winter School and workshop in Economics and Finance" series	UCL and UNamur
2016	Co-organizer of BeNet'16	CORE, UCL
2013-2015	Co-organizer of the "Reading group in Econometrics"	CORE, UCL
2012-2015	Co-organizer of the "Econometrics seminar" series	CORE, UCL
2013-2014	Vice-director of the CeSAM (Center of Studies in Asset Management, Louvain School of Management)	Louvain School of Management (LSM), UCL
2011-2012	Co-organizer of the "CEMS Finance conference" and PhD course	LSM, UCL

[1] https://www.edx.org/course/introduction-leconometrie-louvainx-louv14x

[2] This PhD workshop has been organized for 5 years now and gathers academics and PhD students from various partner universities in Benelux (HEC Liège, University of Luxembourg, University of Maastricht, University of Radboud, and UNamur).