	Frédéric BABONNEAU Senior Professor of Business analytics KEDGE BUSINESS SCHOOL ☏ PROFESSIONAL +33 (en cours) frederic.babonneau@kedgebs.com

EDUCATION

2006	PhD in Operations Research. Geneva School of Economics and Management (GESM), Geneva, Switzerland.
2001	Master in Applied Mathematics, Institut des Mathématiques Appliquées (IMA), UCO, Angers, France.

EXPERIENCE AT KEDGE BUSINESS SCHOOL

2021-now	Business Analytics. PGE
2021-now	Management Information Systems. PGE

OTHER PROFESSIONAL EXPERIENCE IN TEACHING AND RESEARCH

Positions held

2014-now	Vice President ORDERCSYS Consulting, Geneva, Switzerland
2017-2021	Associate Professor of Operations and Analytics, University Adolfo Ibáñez, Business School, Santiago, Chile.
2017-2021	CEO and Founder of OR-Decision, Chile.
2010-2017	

2020-2021	Machine Learning for Business, Graduate, University Adolfo Ibáñez, Santiago, Chile.
2017-2020	Operations management, Undergraduate, University Adolfo Ibáñez, Santiago, Chile.
2017-2020	Data Science, Undergraduate, University Adolfo Ibáñez, Santiago, Chile.
2016-2017	Prospective energy modeling, Graduate, European Campus of Excellence, EPFL Lausanne, Switzerland.
2011-2015	Decision under uncertainty, Graduate, Ecole des Mines of Nantes, France.
2011-2015	Robust optimization , Graduate, Applied Mathematics Institute of Angers, France.
2011-2015	Mathematical programming, Undergraduate, Applied Mathematics Institute of Angers, France.
2002-2006	Operations management, Undergraduate, University of Geneva, Switzerland - Teaching assistant.
2002-2006	Industrial Logistic Management, Graduate and MBA, University of Geneva, Switzerland - Teaching assistant.
2002-2006	Decision Analysis, Undergraduate, University of Geneva, Switzerland - Teaching assistant

THESIS SUPERVISIONS

	Completed			**Current**		
	S	**CO-S**	**MB**	**S**	**CO-S**	**M**
Post-doctorale	3	1	0	0	0	0
Thèses (Doctorat)	0	1	0	0	1	1
Thèses (Maîtrise)	1	1	0	1	2	0
Projets (Maîtrise)	15	2	14	0	0	0

S=Supervisor; CO-S=Co-Supervisor; M=Member of the thesis Committee

16. F. Babonneau, A. Haurie and M. Vielle. From COP21 pledges to a fair 2C pathway, Economics of Energy & Environmental Policy, 7(2):69-92, 2018.
17. F. Babonneau, P. Thalmann and M. Vielle. Defining deep decarbonization pathways for Switzerland: An economic evaluation based on the computable general equilibrium model GEMINI-E3, Climate Policy, 18(1):1-13, 2018.
18. F. Babonneau, M. Caramanis and A. Haurie. ETEM-SG: Optimizing Regional Smart Energy System with Power Distribution Constraints and Options, Environmental Modelling and Assessment, 22(5):411-430, 2017.
19. F. Babonneau, M. Caramanis and A. Haurie. A Linear Programming Model for Power Distribution with Demand Response and Variable Renewable Energy, Applied Energy, 181:83-95, 2016.
20. F. Babonneau, M. Caramanis and A. Haurie. Systems Analysis for Regional Energy Modeling with Smart Grid Integration of Distributed Energy Resources, IAEE Energy Forum, pp. 15-18, second quarter 2016.
21. F. Babonneau, A. Haurie and M. Vielle. A Robust Noncooperative Meta-Game for Climate Negotiation in Europe, Advances in Dynamic and Evolutionary Games, Volume 14 of the series Annals of the International Society of Dynamic Games pp 301-319, 2016.
22. F. Babonneau, A. Haurie and M. Vielle. Assessment of Balanced Burden Sharing in the 2050 EU Climate/Energy Roadmap: A Metamodeling Approach, Climatic Change, 134(4):505-519, 2016.
23. S.R. Joshi, M. Vielle, F. Babonneau, N. Edwards and P. Holden. Physical and economic consequences of sea-level rise: A coupled GIS and CGE analysis under uncertainties, Environmental and Resource Economics, 65(4):813-839, 2016.
24. C. Andrey, F. Babonneau and A. Haurie. Stochastic and robust modelling of mitigation and adaptation policies applied to regional energy systems. Application to the Midi-Pyrénées region, Nature Science Société, 23(2):133-149, 2015.
25. F. Babonneau, A. Haurie and M. Vielle. Impact of uncertain CCS deployment on

47. F. Babonneau, A. Haurie, M. Labriet, J.-P. Vial, et al. ETEM-AR : modéliser é énergétique dans un plan climat local. Programme Gestion et impacts du changement climatiqu
48. F. Babonneau, A. Haurie, M. Labriet, J.-P. Vial, et al. Système intégré de suivi et évaluation des négociations sur le climat à partir de COP-15. Programme Gestion

49. F. Babonneau, G. Corcos, L. Drouet et J.P. Vial, NeatWork, a decision support program for the design of gravity water distribution networks, Cahier de recherche HEC, Université de Genève, 2004.
50. F. Babonneau, C. Beltran, O. du Merle, C. Tadonki et J.-P. Vial, The proximal analytic center cutting plane method, Logilab, HEC, Université de Genève, 2003.
51. F. Babonneau et J.P. Vial, Conception de ré HEC, Université de Genève, 2001.

Thesis

52. F. Babonneau. Solving the multicommodity flow problem with the analytic center cutting plane method. PhD thesis, HEC Geneva, 05-2006.

FUNDINGS AND DIRECTION OF RESEARCH PROJECTS