

## Curriculum Vitae: Antoine Bommier

### Personal Data

Birth: Nice (France), 20 March 1968  
French citizen

### Professional address

Chair of Integrative Risk Management and Economics  
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### Education

2005	“Habilitation à Diriger des Recherches” in Economics, University of Toulouse
1994	Master in Economic Demography, Institut d'Etudes Politiques
1993	Ph. D. in Mathematics, Ecole Polytechnique
1991	BA in Anthropology, University Paris X
1986-1991	Ecole Normale Supérieure (Mathematics)

### Employment

Since 2010 on-going	<i>Professor at ETH Zurich</i> <i>Chair of Integrative Risk Management and Economics</i> Member of the Department of Management, Technology and Economics (D-MTEC) Member of the Center of Economic Research at ETH (CER-ETH)
Since 2005 on-going	Directeur de Recherche (Senior Researcher) at CNRS, Toulouse School of Economics On leave from CNRS (unpaid) since August 2010
2020 on-going	Member of the Steering Committee of the ETH Risk Center
2020	Visiting Professor at University Paris-Nanterre (2020)
2018 - 2020	Chairman of the Steering Committee of the ETH Risk Center
2017	Visiting researcher at Paris School of Economics (6 months)
2005-2007	Visiting Researcher, CES, University Paris 1.
2002-2005	Chargé de Recherche at CNRS, University of Toulouse 1
1999-2003	Associate Researcher at the Laboratoire d'Economie Appliquée (LEA-INRA)
1997-2001	Associate Professor at the Institut d'Etudes Politiques

1995-2002                      Chargé de Recherche at the Institut National d'Etudes Démographiques  
1994 -1995                      Post-Doc., University of California, Berkeley (Department of Demography)

### **Award**

2013 Robert C. Witt Award - American Risk and Insurance Association

### **Editorial Activities**

Associate Editor of "Decisions in Economics and Finance"

### **Teaching Experience**

Advanced Micro-Economics, Ph. D. course, ETH-Zurich, 2012 to present.

Financial Economics, Master, ETH-Zurich, 2011 to present.

Decisions and Markets, Master, ETH-Zurich, 2011 to present.

Economic Demography, Master (M2), Toulouse School of Economics, 2008-2010.

Intertemporal Choice Theory. Master (M2), University Paris 1, 2005-2007.

Microeconomics, Economic Demography Doctoral Program of the "Institut d'Etudes Politiques" (IEP-Paris), 1996-2001

Microeconomics, Economics Doctoral Program of the "Ecole des Hautes Etudes en Sciences Sociales" (EHESS), 2000-2001

Applied Econometrics, Economic Demography Doctoral Program, of the "Institut d'Etudes Politiques" (IEP-Paris), 1997-2001

Economic Demography, Economic Demography Doctoral Program of the "Institut d'Etudes Politiques" (IEP-Paris), 2000-2001

### **Research Direction and Supervision**

Chairman of the Steering Committee of the ETH Risk Center (2018 to present)

Deputy of the Department of Management Technology and Economics at ETH Zurich (2014 - 2016)

Head of the Doctoral Committee of the Department of Management Technology and Economics at ETH Zurich (2014 - 2016)

Member of the Steering Committee of the ETH Risk Center (2011-2014)

Director of the research department GREMAQ in Toulouse (2009-2010)

Co-director of the Economic Department of INED (1998-2002)

### Advisor of Ph. D students:

- Stéphane Zuber "Topics on Intertemporal Social Choice" (University of Toulouse). Defended in November 2007. Currently Chargé de Recherche at CNRS.
- Svenja Hector "Accounting for Risk in Social Cost-Benefit Analysis: Recursive Approaches" (ETH-Zurich). Defended in August 2015.
- Marius Lüske "Social Security Design and Individual Retirement Decisions" (ETH-Zurich), Defended in July 2015. Currently employed at OECD.
- Marie-Charlotte Guetlein (ETH-Zurich). Defended in March 2017. Currently employed at Grenoble Ecole de Management.
- Markus Hersche (ETH Zurich). Currently employed at Pricing Actuary Group Life, Baloise Insurance
- Hélène Schernberg (ETH-Zurich) currently employed at the Risk Center, ETH Zurich.
- Elias Moor (ETH-Zurich). Currently employed at QuantCo, Zurich
- Amélie Goerger (ETH Zurich) Defended in August 2021.
- Lehtomaa Heikki Jere (ETH Zurich) Defended in December 2022.
- Onur Eryilmaz (ETH Zurich, under progress)
- Giovanni Di Meo (ETH Zurich, under progress)
- Boi Yen-Ha (ETH Zurich, under progress)

### Ph. D. committee of:

Diane Coury (IEP-Paris), Frédéric Tournemaine (University of Toulouse), Minh Phuong Bui (University of Toulouse), Nicolas Razafindrastima (IEP-Paris), Christopher Milde (European University Institute), Wanfeng Yan (ETH-Zurich), Christian Amon (ETH Zurich), Stefan Graf (ETH Zurich), Alexandra Vinogradova (ETH-Zurich), Clémentine Garrouste (EHESS), Vitalijs Butenko (ETH Zurich), Elias Aptus (ETH Zurich), Ulrich Schetter (ETH Zurich), Jörg Bjarne Schläpfer (ETH Zurich), Quirin Oberpriller (ETH Zurich), Zalan Forro (ETH Zurich), Marius Lueske (ETH-Zurich), Svenja Hector (ETH-Zurich), Yavor Kamer (ETH Zurich), Dmitry Chernov (ETH Zurich), Diego Ardila Alvarez (ETH Zurich), Maroussia Favre Carlen (ETH Zurich), Salomon Faure (ETH Zurich), Guilherme Do Livramento Demos (ETH Zurich), Tatyana Kovalenko (ETH Zurich), Sohn U-Hyun (ETH Zurich), Yulin Lin (ETH Zurich), Markus Bareit (ETH Zurich)

### Visiting Scholar

2001	Economics Department, PUC, Rio de Janeiro (3 months).
2000	Department of Demography, University of California, Berkeley (3 months).
1998	National Institute of Statistics of Madagascar (6 weeks).
1997	Department of Demography, Djakarta University, Indonesia (3 weeks)
1994	Department of Demography, University of California, Berkeley (10 months)

### Published Articles

2023	Francois Le Grand, Antoine Bommier, Lionel Wilner, "Risk Aversion and Savings Behavior", <b>SSRN</b> : <a href="https://ssrn.com/abstract=4570245">https://ssrn.com/abstract=4570245</a> or <a href="http://dx.doi.org/10.2139/ssrn.4570245">http://dx.doi.org/10.2139/ssrn.4570245</a>
2022	Arnaud Goussebaile; Antoine Bommier, Amélie Goerger, Jean-Philippe Nicolai, "Altruistic Foreign Aid & Climate Change Mitigation", <b>Environmental &amp; Resource Economics</b> , 84, 219-239
2022	Eric André, Antoine Bommier and François Le Grand, "The Impact of Risk Aversion and Ambiguity Aversion on Annuity and Saving Choices", <b>Journal of Risk and Uncertainty</b> , 65, 33-56
2021	Antoine Bommier and Hélène Schernberg, "Would you Prefer your Retirement Income to Depend on your Life Expectancy?" <b>Journal of Economic Theory</b> , Volume 191: 105126

- 2019 Hansjörg Albrecher, Antoine Bommier, Damir Filipovic, Pablo Koch, Stéphane Loisel and Hato Schmeiser, "Insurance: Models, Digitalization, and Data Science", ***European Actuarial Journal***, 9: 349-360
- 2019 Antoine Bommier, Asen Kochov and Francois Le Grand, "Ambiguity and Endogenous Discounting", ***Journal of Mathematical Economics***, Volume 83, pp. 4-62.
- 2019 Antoine Bommier and Francois Le Grand "Risk Aversion and Precautionary Savings in Dynamic Settings", ***Management Science***, 65(3): 1386-1397.
- 2017 Antoine Bommier, "A Dual Approach to Ambiguity Aversion", ***Journal of Mathematical Economics***, Vol. 71, pp. 104-118.
- 2017 Antoine Bommier, Asen Kochov and François Le Grand, "On Monotone Recursive Preferences", ***Econometrica***, Vol. 85, Issue 5: pp. 1433-1466.
- 2017 Antoine Bommier, Lucas Bretschger and Francois Le Grand, "Existence of Equilibria in Exhaustible Resource Markets with Economies of Scale and Inventories". ***Economic Theory***, Vol. 63 (3): 687-721.
- 2015 Antoine Bommier, Bruno Lanz and Stéphane Zuber, "Models-as-Usual for Unusual Risks? On the Value of Catastrophic Climate Change". ***Journal of Environmental Economics and Management***, Vol. 74:1-22.
- 2014 Antoine Bommier and Francois Le Grand, "Too Risk Averse to Purchase Insurance? A Theoretical Glance at the Annuity Puzzle", ***Journal of Risk and Uncertainty***, Vol. (48):135-166.
- 2013 Antoine Bommier, "Life-Cycle Preferences Revisited". ***Journal of the European Economic Association***, Vol. 11(6):1290-1319.
- 2012 Antoine Bommier and Bertrand Villeneuve, "Risk Aversion and the Value of Risk to Life". ***Journal of Risk and Insurance***, 79(1): 77-104. *This paper was selected as the best article published in the Journal of Risk and Insurance, 2012, and was awarded the Robert C. Witt Award.*
- 2011 Antoine Bommier and Stéphane Zuber, "The Pareto Principle of Optimal Inequality". ***International Economic Review***, Vol. 53.(2), pp. 593-608, 2012.
- 2011 Antoine Bommier, François Le Grand et Arnold Chassagnon, "Comparative Risk Aversion: A formal Approach with Applications to Saving Behaviors". ***Journal of Economic Theory***, Vol. 147(4), pp. 1614-1641, 2012.
- 2011 Antoine Bommier, "Life-Cycle Preferences Revisited". ***Journal of the European Economic Association***, forthcoming.
- 2011 Antoine Bommier, Marie-Louise Leroux and Jean-Marie Lozachmeur, „On the Public Economics of Annuities with Differential Mortality". ***Journal of Public Economics***, 95 (7-8), pp.612-623.
- 2011 Antoine Bommier, Marie-Louise Leroux and Jean-Marie Lozachmeur, "Differential Mortality and Social Security". ***Canadian Journal of Economics***, Vol. 44(1), pp. 273-289.
- 2010 Antoine Bommier, Tim Miller, Ronald Lee and Stéphane Zuber, "Who Wins and Who Loses? Public Transfer Accounts for US Generations Born 1850 to 2090". ***Population Development Review***, 36(1):1-26.

- 2010 David Bardey, Antoine Bommier, Bruno Jullien, "Retail Price Regulation and Innovation: Reference Pricing in the Pharmaceutical Industry". *Journal of Health Economics*, 29(2): 303-316
- 2010 Antoine Bommier. "Portfolio choice under uncertain lifetime". *Journal of Public Economic Theory*, 12(1) 57-73.
- 2008 Antoine Bommier and Stéphane Zuber, "Can Preferences for Catastrophe Avoidance Reconcile Time Discounting with Intergenerational Equity?" *Social Choice and Welfare*, 31 :415-434.
- 2007 Stéphane Zuber, Antoine Bommier, Jérôme Bourdieu et Akiko Suwa, "Transferts publics d'éducation et de retraite en France (1850-2000): au bénéfice de quelles générations ?". *Économie et Prévision*, 180: 1-17.
- 2007 Antoine Bommier, "Risk Aversion, Intertemporal Elasticity of Substitution and Correlation Aversion", *Economics Bulletin*, 29 : 1-8.
- 2006 Antoine Bommier, "Uncertain Lifetime and Intertemporal Choice: Risk Aversion as a Rationale for Time Discounting". *International Economic Review*, 47(4): 1223-1246.
- 2006 Antoine Bommier and Jean-Charles Rochet, "Risk Aversion and Planning Horizons". *Journal of the European Economic Association*, 4(4): 708-734.
- 2006 Antoine Bommier, Thierry Magnac, Muriel Roger and Benoît Rapoport "Droits à la retraite et mortalité différentielle". *Economie et Prévision*, 168: 1-16.
- 2004 Antoine Bommier and Pierre Dubois, "Rotten Parents and Child Labor". *Journal of Political Economy*, 112(1): 240-48.
- 2004 Antoine Bommier and Sylvie Lambert, "Human capital investments and family composition". *Applied Economics Letters*, 11(3): 193 – 196.
- 2003 Antoine Bommier, Thierry Magnac and Muriel Roger, "Le marché du travail à l'approche de la retraite". *Revue Française d'Économie*, 18(1): 23-82.
- 2003 Antoine Bommier and Ronald Lee, "Overlapping Generations Models with Realistic Demography". *Journal of Population Economics*, 16(1): 111-134.
- 2002 Antoine Bommier and Guy Stecklov, "Defining health inequality: why Rawls succeeds where social welfare theory fails". *Journal of Health Economics*, 21(3): 497-513.
- 2001 Antoine Bommier, Thierry Magnac and Muriel Roger, "Quels sont les effets des modifications des systèmes de retraite sur les taux d'activité des travailleurs âgés ?" *Revue Française d'Économie*, 16(1): 79-124.
- 2001 Florence Arestoff and Antoine Bommier, "Efficacité relative des écoles publiques et privées à Madagascar : étude en période de restriction budgétaire". *Revue d'Économie du Développement*, 3:51-73.
- 2000 Antoine Bommier and Sylvie Lambert, "Education Demand and Age at School Enrollment in Tanzania". *The Journal of Human Resources*, 35(1): 177-203.
- 1995 Antoine Bommier, "Peut-on compter sur ses parents pour assurer ses vieux jours : l'exemple de la Malaisie". *Economie et Prévision*, n°122 1995-5 : 75-86.
- 1994 Antoine Bommier, "Prolongement méromorphe de la matrice de diffusion pour les problèmes à N

corps à longue portée". **Mémoire de la Société Mathématique de France** n° 59 (64 pages).

- 1993 Antoine Bommier, "Propriétés de la matrice de diffusion 2 amas- 2 amas pour les problèmes à N corps à longue portée". **Annales de l'Institut Henri Poincaré**, 59(3): 237-267.
- 1991 Dominique Delande, Antoine Bommier and Jean-Claude Gay, "Positive Energy Spectrum of the Hydrogen Atom in Magnetic Field". **Physical Review Letters**, 66(2).
- 1989 Dominique Delande, Jean-Claude Gay and Antoine Bommier, "Atomic quantum states with maximum localization on classical elliptical orbits". **Physical Review A**, 39(12).

#### Chapters in books:

- 2002 Antoine Bommier, "Transferts entre ménages et générations" in *La Côte d'Ivoire à l'aube du XXI<sup>e</sup> siècle. Défis démographiques et développement durable*, Georges Tapinos, Philippe Hugon and Patrice Vimard, eds. Karthala, Paris.
- 2000 Antoine Bommier and David Shapiro, "L'approche économique de la demande d'éducation", in *La demande d'éducation en Afrique : état des connaissances et perspectives de recherche*, Marc Pilon et Yacouba Yaro, eds, UEPA, Dakar.
- 1998 Antoine Bommier and Sylvie Lambert, "Stratégies familiales et scolarisation en Tanzanie", in *Développement et transition vers l'économie de marché*, D. Benali, A. Bsais, P. Guillaumont, A. Martens, L. Oyoubi et J-P. Platteau, éditeurs, Editions de l'Agence universitaire de la Francophonie.
- 1990 Antoine Bommier, Dominique Delande and Jean-Claude Gay, "Elliptic Atomic States" in *Atoms in Strong Fields*, Plenum Press, New-York.

#### Unrefereed publications

- 2003 Antoine Bommier, "Les choix de départ en retraite : une affaire de famille : commentaire". **Economie et Statistique**, 357-358: 22-24.
- 2001 Antoine Bommier, "L'impact des changements démographiques sur la croissance et le marché du travail : faits, théories et incertitudes : commentaire". **Revue d'Economie Politique**, 111(4): 597-599.