

# Stéphane Zuber

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Born: August 9, 1980

Citizenship: French

## Current position

*CNRS Researcher*, affiliated with Centre d'Économie de la Sorbonne, Université Paris I and CNRS

## Other appointments

- 2013- Professor at Paris School of Economics
- 2011- CESifo research network fellow

## Appointments held

- 2011-2017 Associate Researcher, Chair on Welfare Economics and Social Justice at Collège d'Études Mondiales, Fondation Maison des Sciences de l'Homme, Paris
- 2011-2014 Associate Researcher, Chair for Integrative Risk Management and Economics, ETH Zürich
- 2013 Visiting Associate Research Scholar, Princeton Institute for International and Regional Studies, Princeton University
- 2011-2013 CNRS Researcher, affiliated with CERSES, Université Paris Descartes and CNRS
- 2008-2011 Postdoctoral research fellow, CORE, Université catholique de Louvain
- 2006-2008 Research and teaching fellow (Allocataire moniteur normalien), Université de Toulouse
- 2003-2004 Visiting research student, Department of Demography, University of California at Berkeley

Areas of specialization

Economic theory; normative economics; environmental economics; public economics.

Education

- 2017 HDR (“*Habilitation à diriger des recherches*”) in Economics, Université Paris 1  
 2007 PhD in Economics, Toulouse School of Economics  
 2003 MA in Economics, Paris School of Economics  
 2003 BA (*Maîtrise*) in Philosophy, Université Paris 4 - Sorbonne

Honors & awards

- 2018 Bronze medal, CNRS (awarded for the best work by a young researcher in Economics)

Publications & talks

## JOURNAL ARTICLES

- [1] Fleurbaey M., Leroux M.-L., Pestieau P., Ponthière G., Zuber S. (2022) “Premature deaths, accidental bequests and fairness”, forthcoming in the *Scandinavian Journal of Economics* <https://doi.org/10.1111/sjoe.12478>
- [2] Fleurbaey M., Zuber S. (2021) “A new puzzle in the social evaluation of risk”, forthcoming in *Economics and Philosophy* <https://doi.org/10.1017/S0266267121000225>
- [3] Budolfson M., Dennig F., Errickson F., Feindt S., Ferranna M., Fleurbaey M., Klenert D., Kornek U., Kuruc K., Méjean A., Peng W., Scovronick N., Spears D., Wagner F., Zuber S. (2021) “Climate action with revenue recycling has benefits for poverty, inequality, and wellbeing”, *Nature Climate Change*, 11, 1111–1116
- [4] Zuber S., Venkatesh N., Tännjö T., Tarsney C., Stefánsson H., Steele K., Spears D., Sebo J., Pivato M., Ord T., Ng Y.-K., Masny M., MacAskill W., Lawson N., Kuruc K., Hutchinson M., Gustafsson J.E., Greaves H., Forsberg L., Fleurbaey M., Coffey D., Cato S., Castro C., Campbell T., Budolfson M., Broome J., Berger A., Beckstead N., Asheim G. (2021) “What Should We Agree on about the Repugnant Conclusion?”, *Utilitas*, 33, 379–383
- [5] Fleurbaey M., Zuber S. (2021) “Fair utilitarianism”, *American Economic Journal: Microeconomics*, 13, 370–401
- [6] Pottier A., Méjean A., Fleurbaey M., Zuber S. (2021) “Climate change and population: an assessment of mortality due to health impacts”, *Ecological Economics*, 183, 106967
- [7] Méjean A., Pottier A., Fleurbaey M., Zuber S. (2020) “Catastrophic climate change, population ethics and intergenerational equity”, *Climatic Change*, 163, 873–890
- [8] Zuber, S. (2019). “Parfit et les économistes: la contribution de Derek Parfit au débat sur la taille optimale de la population”, *Revue de Métaphysique et de Morale*, 102, 23–37

- [9] Fleurbaey M., Ferranna M., Budolfson M., Dennig F., Mintz-Woo K., Socolow R., Spears D., Zuber S. (2019). “The social cost of carbon: Valuing inequality, risk, and population for climate policy”, *The Monist*, 102, 84-109
- [10] Fleurbaey M., Zuber S. (2017). “Fair management of social risk”, *Journal of Economic Theory*, 169, 666-706
- [11] Zuber S. (2017). “Éthique de la population : L’apport des critères de bien-être dépendant du rang”, *Revue Économique*, 68, 73-96
- [12] Asheim G.B., Zuber S. (2016). “Evaluating intergenerational risks”, *Journal of Mathematical Economics*, 65, 104-117
- [13] Zuber S. (2016). “Harsanyi’s theorem without the sure-thing principle: On the consistent aggregation of Monotonic Bernoullian and Archimedean preferences”, *Journal of Mathematical Economics*, 63, 78-83
- [14] Bommier A., Lanz B., Zuber S. (2015). “Models-as-usual for unusual risks? On the value of catastrophic climate change”, *Journal of Environmental Economics and Management*, 74, 1-22
- [15] Fleurbaey M., Zuber S. (2015). “Discounting, risk and inequality: A general approach”, *Journal of Public Economics*, 128, 34-49
- [16] Fleurbaey M., Zuber S. (2015). “Discounting beyond utilitarianism”, *Economics: The Open-Access, Open-Assessment E-Journal*, 9 (2015-12): 1-52
- [17] Fleurbaey M., Gajdos T., Zuber S. (2015). “Social rationality, separability, and equity under uncertainty”, *Mathematical Social Sciences*, 73, 13-22
- [18] Asheim G.B., Zuber S. (2014). “Escaping the repugnant conclusion: Rank-discounted utilitarianism with variable population”, *Theoretical Economics*, 9, 629-650
- [19] Fleurbaey M., Zuber S. (2013). “Inequality aversion and separability in social risk evaluation”, *Economic Theory*, 54, 675-692
- [20] Asheim G.B., Zuber S. (2013). “A complete and strongly anonymous leximin relation on infinite streams”, *Social Choice and Welfare*, 41, 819-834
- [21] Fleurbaey M., Zuber S. (2013). “Climate policies deserve a negative discount rate”, *Chicago Journal of International Law*, 13, 565-595
- [22] Zuber S., Asheim G.B. (2012). “Justifying social discounting: The rank-discounted utilitarian approach”, *Journal of Economic Theory*, 147, 1572-1601
- [23] Bommier A., Zuber S. (2012). “The Pareto principle of optimal inequality”, *International Economic Review*, 53, 593-607
- [24] Fleurbaey M., Zuber S. (2012). “Pour des taux d’escompte équitables”, *Annales d’Économie et de Statistique*, HS1, 97-115
- [25] Bréchet T., Thénier, Zeimes T., Zuber S. (2012). “The benefits of cooperation under uncertainty: The case of climate change”, *Environmental Modeling and Assessment*, 17, 149-162
- [26] Zuber S. (2011). “The aggregation of preferences: Can we ignore the past?”, *Theory and Decision*, 70, 367-384
- [27] Zuber S. (2011). “Can social preferences be both stationary and paretian?”, *Annales d’Économie et de Statistique*, 101/102, 347-360

- [28] Bommier A., Lee R.D., Miller T., Zuber S. (2010). “Who wins and who loses? Public transfer accounts for US generations born 1850 to 2090”, *Population and Development Review*, 36, 1-26
- [29] Bommier A., Zuber S. (2008). “Can preferences for Catastrophe Avoidance reconcile social discounting with intergenerational equity?”, *Social Choice and Welfare*, 31, 415-434
- [30] Zuber S., Bommier A., Bourdieu J. Suwa-Eisenmann A. (2007). “Le développement des transferts publics d’éducation et d’assurance vieillesse en France: 1850-2000”, *Économie et Prévision*, 180-181, 1-17

## BOOK CHAPTERS

- [31] Asheim G., Zuber S. “Rank-discounting as a resolution to a dilemma in population ethics” In G. Arrhenius, K. Bykvist, T. Campbell, E. Finneron-Burns (Eds.) *Oxford Handbook of Population Ethics*. Under contract at Oxford University Press
- [32] Fleurbaey M., Zuber S. “Discounting and intergenerational ethics”. In S. Gardiner (Ed.) *Oxford Handbook for Intergenerational Ethics*. Under contract at Oxford University Press
- [33] Fleurbaey M., Zuber S. (2020) “To discount or not to discount?”. In D. Schroeder, N. Eyal, S. Hurst, D. Wikler (Eds.) *Measuring the Global Burden of Disease: Philosophical Dimensions*, Oxford: Oxford University Press
- [34] Zuber S. (2016). “Measuring intergenerational fairness”. In I. Gonzáles-Ricoy, A. Gosseries (Eds.) *Institutions for Future Generations*, Oxford: Oxford University Press
- [35] Zuber S. (2012). “Débat autour du taux d’escompte social et du prix du carbone”. In P.-A. Chardel, C. Gossart, B. Reber (Eds.) *Conflits des interprétations dans la société de l’information. Éthique et politique de l’environnement*, Paris : Hermes Sciences International

## WORKING PAPERS

- Zuber S. “Population-adjusted egalitarianism”, CES Working Paper # 2018.34
- Fleurbaey M., Méjean A., Pottier A., Zuber S. “The welfare implications of climate change-related mortality: Inequality and population ethics”, CES Working Paper # 2020.26
- Fleurbaey M., Zuber S. “Universal social welfare orderings and risk”, CES Working Paper # 2021.18
- Spears D., Zuber S. “Foundations of utilitarianism under risk and variable population”, CES Working Paper # 2021.17
- Asheim G.B., Kamaga K., Zuber S. “Evaluating climate policies by the Pareto principle: Efficiency when future identities are unobservable”, CESifo Working Paper # 9575
- Asheim G.B., Kamaga K., Zuber S. “Infinite population utilitarian criteria”, CESifo Working Paper # 9576

## WORK IN PROGRESS

- “Unexpected ethical consensus for averting catastrophic climate change” (with A. Méjean, A. Pottier and M. Fleurbaey)
- “Unequal inequalities among countries and generations: A paradox” (with M. Fleurbaey)
- “Infinite population utilitarian criteria” (with G. Asheim and K. Kamaga)
- “Evaluating climate policies by the Pareto principle: Efficiency when future identities are unobservable” (with G. Asheim and K. Kamaga)
- “Multi-species population ethics” (with D. Spears and M. Budolfson)

## OTHER PUBLICATIONS

- [i] Budolfson M., Dennig F., Errickson F., Feindt S., Ferranna M., Fleurbaey M., Klenert D., Kornek U., Kuruc K., Méjean A., Peng W., Scovronick N., Spears D., Wagner F., Zuber S. (2021) “Protecting the poor with a carbon tax and equal per capita dividend”, *Nature Climate Change*, 11, 1025–1026
- [ii] Zuber S. (2017). Review of the book *Oxford Handbook of Well-being and Public Policy*, edited by M.D. Adler and M. Fleurbaey (Oxford University Press, 2016), *Oeconomia: History, Methodology, Philosophy*, 7(4)
- [iii] Zuber S. (2013). Review of the book *Arguing about Justice*, edited by A. Gosseries and Y. Vanderborght (Presses Universitaires de Louvain 2011), *Revue de Philosophie Économique*, 14, 193–200
- [iv] Zuber S. (2004). “La concentration de la dépense publique d’éducation en France: 1900-2000”, *Éducation et Formations*, No 70

## TALKS

- 2021 Micro-theory seminar, University of Glasgow (online); MDOD Seminar, CES Paris (online)
- 2020 Workshop on Population, Social Welfare and Climate Change, Austin; Workshop on Climate Ethics and Future Generations, Institute for Futures Studies, Stockholm (online); European Association of Environmental and Resources Economists (online); Workshop on Environmental and Natural Resource Conservation, CEEM Montpellier (online); ColAForm closing workshop, Bayreuth (online)
- 2019 Economic seminar, Centre d’Economie de l’Environnement, Montpellier; Workshop on Integrated Assessment Models and Ethics, Paris School of Economics; Seminar on Sustainable Development, Environment and Energy, Université de Nanterre; GPI workshop on the economics of catastrophe, Oxford University; Workshop on Climate Policy and Sustainable Growth, Princeton University; Society for the Advancement of Economic Theory Conference; Workshop on Individual and Collective Attitudes, London School of Economics; MSPT Seminar, Australian National University; Annual ANU Economics & Philosophy Workshop
- 2018 Economics seminar, Hitotsubashi University – Tokyo; Economics seminar, Sophia University – Tokyo; Economic theory seminar THEMA, Université de Cergy; Meeting of the Society of Social Choice and Welfare; 3rd Workshop ORDINEQ,

- Rennes; Conference on Climate Ethics and Future Generations, Institute for Futures Studies, Stockholm; Journées d'étude Bien-être et justice sociale, École d'Économie de la Sorbonne; Economic department seminar, University of Oslo
- 2017 Workshop on Climate Policy and IAMs, Princeton; D-TEA workshop, Paris; Meeting of the Association for Public Economic Theory; Workshop "Sustainability and population ethics" IMÉRA, Marseille; Summer Workshop in Economic Theory, Paris; Research Seminar Series, Grantham Institute (LSE); Seminar of the Observatoire Hommes-Milieus Port Caraïbe, Pointe-à-Pitre
- 2016 CREM seminar, Université de Caen; Economic department seminar, Universidad Pablo de Olavide; CORE@50 Conference, Université catholique de Louvain; SURED 2016; Meeting of the Society for Social Choice and Welfare; Transatlantic Theory Workshop, Oxford; Kick-off meeting of the Observatoire Hommes-Milieus Port Caraïbe, Pointe-à-Pitre
- 2015 European Association of Environmental and Resources Economists; Society for Economic Design; Workshop on risk and public decisions, Université Paris Ouest-Nanterre; Workshop "Economie de la justice sociale" (Revue Économique); Economic department seminar, Université Evry; Workshop "Social choice and welfare under uncertainty", Université Cergy; Economic department seminar, Université Paris Dauphine; Workshop "The multiple dimensions and dynamics of inequality", Aix-Marseille School of Economics; Workshop "Equity and Risk in Integrated Assessment Models", FMSH Paris; Conference "Economics and Philosophy", Swedish Collegium for Advanced Study; Economic department seminar, University of Oslo
- 2014 Meeting of the Society for Social Choice and Welfare; Conference on the Foundations of Utility and Risk; Workshop on Ethics and Environmental Theory, University of Oslo; Seminar Science for Energy Scenarios, Ecole de Physique des Houches (France); Transatlantic Theory Workshop, Paris School of Economics
- 2013 Society for the Advancement of Economic Theory Conference; Workshop "Natural resources, environment, urban economics, international trade and industrial organization" (Saint-Petersburg); Climate change and environment Seminar, Grantham Institute (LSE); Lunch seminar on applied economics, PSE; Workshop on Social Choice and Public Economics, Princeton; Conference The Ethics of Risk and Climate Change, Princeton; Workshop on risk and public decisions, Université Paris Ouest-Nanterre
- 2012 Journées Louis-André Gérard-Varet; Workshop Topics in Economics and Philosophy, Swedish Collegium for Advanced Study (Uppsala); Workshop "Decision, rationalité, interaction", IHPST (Paris)
- 2011 2nd Conference New Directions in Welfare; Society for the Advancement of Economic Theory Conference; CESifo Area Conference on Public Sector Economics; Workshop on Individual and Collective Decisions, GREQAM (Marseille); Conference "Enjeux économiques des investissements durables", Caisse des Dépôts et Consignations (Paris); Economic Theory Seminar, Ecole Polytechnique
- 2010 Meeting of the Society for Social Choice and Welfare; World Congress of Environmental and Resource Economists; North American Winter Meeting of the Econometric Society; Journal of Economic Theory Symposium on Inequality and

- 2009 Risk, Paris; Workshop on Climate Change and Distribution, University of Oslo  
 Conference of the European Association of Environmental and Resource Economists; Public Economic Theory conference
- 2008 Meeting of the Society for Social Choice and Welfare; Royal Economic Society Meeting; Journées Doctorales de l'ADRES; Economic Theory Seminar, CORE-Université catholique de Louvain; Economic Theory Seminar, CES-Université Paris 1, 2008; Seminar CREM, Université de Caen
- 2007 Econometric Society European Meeting; Journées de Microéconomie Appliquée
- 2006 Econometric Society European; EGRIE seminar; Congrès de l'Association Française de Sciences Economiques

### Teaching

- 2020- Welfare economics and applications (M2, Paris School of Economics)
- 2015- Microeconomics of information (Graduate, Université Paris 1)
- 2015-2019 Sustainable management of natural resources (Graduate, Université Paris 1)
- 2014-2018 Collective decisions and social choices (Graduate, Université Paris Descartes)
- 2013 Fairness & poverty, Centre Franco-Norvégien, Paris
- 2010-2013 Health inequalities and ethics (Graduate, Université Paris Descartes)

### Grants and research contracts

- 2019-2023 PI for France of the “Climate Change Impacts and Policies in Heterogeneous Societies” project funded by Agence Nationale de la Recherche (joint ERANET-AXIS call)
- 2019-2023 Member of the “Next generation of advanced integrated assessment modelling to support climate policy making” project funded by the European Union (H2020 LC-CLA-01-2018)
- 2018-2023 Member of the “Climate Ethics and Future Generations” project funded by Riksbankens Jubileumsfond
- 2017-2020 Member of the “Coping with heterogeneous opinions” project funded by Agence Nationale de la Recherche
- 2017-2020 Member of the “Collective Attitudes Formation” project funded by Agence Nationale de la Recherche and Deutsche Forschungsgemeinschaft
- 2016-2019 PI of the Fair-Climpop project funded by Agence Nationale de la Recherche: 184,680 euros
- 2012-2015 PI of the EquiRisk project funded by Agence Nationale de la Recherche: 190,000 euros
- 2012-2015 Member of the Franco-Swedish Program in Philosophy and Economics funded by Fondation Maison des Sciences de l'Homme and Riksbanken Jubileumsfond
- 2010-2011 Intra-European Fellowship (FP7-PEOPLE-IEF-2009) funded by the European Union

Other professional activity and service

- 2018- Member of the editorial board, *Social Choice and Welfare*
- 2015- Member of the editorial board, *Mathematical Social Sciences*
- Referee *American Economic Review*, *Annales d'Economie et Statistique*, *Ecological Economics*, *Econometrica*, *Economics and Philosophy*, *Economic Journal*, *Economic Theory*, *Environment and Development Economics*, *Erkenntnis*, *Ethical Perspective*, *European Economic Review*, *International Economic Review*, *Journal of Economic Dynamics and Control*, *Journal of Economic Theory*, *Journal of Environmental Economics and Management*, *Journal of Health Economics*, *Journal of Mathematical Economics*, *Journal of Public Economics*, *Journal of Public Economic Theory*, *Kyklos*, *Mathematical Social Sciences*, *Mathematics of Operations Research*, *Nature Climate Change*, *RAND Journal of Economics*, *Review of Economic Studies*, *Revue Économique*, *Louvain Economic Review*, *Revue d'Économie Politique*, *Scandinavian Journal of Economics*, *Social Choice and Welfare*, *Theoretical Economics*
- Member Section 37 (Economics and Management), *Comité National de la Recherche Scientifique*, France (2011-2016); *Interdisciplinary Committee Environment and Society*, *Comité National de la Recherche Scientifique*, France (2015-2016); *Scientific committee of the 12th Meeting of the Society for Social Choice and Welfare*, Boston (2014)
- Reviewer *Agence Nationale de la Recherche*, France (2010, 2013, 2017); *AERES/HCERES*, France (2013, 2016); *FNRS-FRS*, Belgium (2016) ; *SNS*, Switzerland (2017,2019).