

Curriculum Vitae

STEFAN BAUMGÄRTNER

Professor of Environmental Economics and Resource Management

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ACADEMIC EDUCATION

2006	Habilitation	Economics	University of Heidelberg, Germany
1999	Dr.rer.pol. (PhD)	Economics	University of Heidelberg, Germany
1994	Diplom (MSc)	Physics, Economics	University of Heidelberg, Germany
1991 – 1992	Visiting Student	Physics	University of Washington, Seattle, USA
1990	Vordiplom (BSc)	Physics	University of Stuttgart, Germany

PROFESSIONAL EXPERIENCE

2014 – present	Full Professor of Environmental Economics and Resource Management, University of Freiburg, Germany
2007 – 2015	Lecturer, Master Program in Environmental Sciences, University of Zurich, Switzerland
2006 – 2014	Associate Professor of Sustainability Economics and Founding Director (2012–2014), Research Center FuturES – Futures of Ecosystem Services, Leuphana University of Lüneburg, Germany
2004 – 2006	Head, Ecological Economics Group, Research Center for Environmental Economics, University of Heidelberg, Germany
2000 – 2006	Assistant Professor, Department of Economics, University of Heidelberg, Germany
2001 – 2002	PostDoc (with Prof. Richard B. Norgaard), Energy and Resources Group, University of California, Berkeley, USA
1994 – 2000	Teaching and Research Assistant (with Profs Malte Faber and Till Requate), Department of Economics, University of Heidelberg, Germany
1994	Environmental Policy Consultant, ECOTEC, Munich (Internship)

HONORS AND DISTINCTIONS

2019 – 2020	Research Fellow, FRIAS – Freiburg Institute of Advanced Studies
2017	Emerald Citation-of-Excellence Award
2010	Teaching Award, Leuphana University of Lüneburg, Germany
2001 – 2002	Research-Fellowship, German Research Foundation (DFG)
1998, 1999,	Young Economists International Presentation Award, German Economic

2000, 2003	Association (Verein für Socialpolitik)
1991 – 1992	Fulbright-Fellowship
1989 – 1994	Scholarship, German National Academic Foundation (Studienstiftung des deutschen Volkes)

RESEARCH EXPERTISE

ecological, environmental and resource economics

- normative foundations of sustainability economics
- economics of biodiversity and ecosystem services
- analysis and governance of risk, resilience and insurance in ecological-economic systems
- sustainable rangeland management in semi-arid regions
- intergenerational justice and responsibility for sustainability

RESEARCH VISITS AND FIELD RESEARCH

2011	ecoSERVICES Group and School of Sustainability, Arizona State University, USA (2 months)
2004, 2007, 2010	Desert Research Foundation of Namibia, Namibian Agronomic Board, Namibia Agricultural Union, various commercial livestock farms in Namibia (1 month in each year, field research)
2004 – 2014	Department of Ecological Modelling and Department of Economics, UFZ – Helmholtz Centre for Environmental Research Leipzig, Germany (regularly several short-term research visits per year)

MAJOR RESEARCH GRANTS

2023 – 2025	marEEchange – Marine ecological-economic systems under global change: responsibility for regime shifts and sustainability 210,106 EUR (Bundesministerium für Bildung und Forschung)
2020 – 2024	ValuGaps – Towards a comprehensive valuation of natural capital in Germany: Methods and approaches to deal with limited information and uncertainty 314,699 EUR (German Federal Ministry of Education and Research BMBF)
2019 – 2023	marEEshift – Marine ecological-economic systems in the Western Baltic Sea and beyond: Shifting the baseline to a regime of sustainability 333,832 EUR (German Federal Ministry of Education and Research BMBF)
2018 – 2022	RUINS – Risk, uncertainty and insurance under climate change. Coastal land management on the German North Sea 566,539 EUR (German Federal Ministry of Education and Research BMBF)
2016 – 2020	URCforSC – Upper Rhine Cluster for Sustainability Research 1.667 m EUR (European Union: Interreg)

- 2012 – 2015 ECCUITY – Economics of climate change: Distribution, efficiency, and policy under uncertainty
343,576 EUR (German Federal Ministry of Education and Research BMBF)
- 2011 – 2016 COMTESS – Sustainable coastal land management: Trade-offs in ecosystem services
380,310 EUR (German Federal Ministry of Education and Research BMBF)
- 2010 – 2013 EIGEN – Efficient inter- and intragenerationally just use of ecosystem services. Sustainability-economic analysis of trade-offs in biodiversity and fishery policy
315,925 EUR (German Federal Ministry of Education and Research BMBF)
- 2007 – 2010 Sustainable use of ecosystem services under uncertainty – Ecological-economic modelling and evaluation of economic policy options
459,232 EUR (German Federal Ministry of Education and Research BMBF)
- 2004 – 2007 Ecological Economics – Modelling and conceptual foundation
621,200 EUR (Volkswagen Foundation)
- 2001 – 2002 Irreversible loss of biological diversity from the economic perspective
50,200 EUR (German Research Foundation DFG)

EDITORIAL SERVICE

- 2009 – present Co-Editor-in-Chief (since 2018), Co-Editor (2015–2018) and Associate Editor (until 2015), *Ecological Economics*

ADVISORY SERVICE FOR PUBLIC INTERESTS

- 2017 Federal Office of Nature Conservation:
Nature conservation and social justice
- 2017 German Federal Ministry of Education and Research:
Economics and sustainable development
- 2015 German Federal Ministry of Education and Research:
Conservation of natural capital – Valorization of biological diversity in politics, economy and society
- 2008 – 2010 European Commission and German Federal Ministry of the Environment:
TEEB – The Economics of Ecosystems and Biodiversity
- 2008 – 2009 Bavarian State Ministry of the Environment: *Bavarian Biodiversity Strategy*
- 2007 – 2010 German Federal Ministry of Education and Research: *Economics for Sustainability*
- 2004 – 2010 Ministry of the Environment and Ministry of Agriculture, Republic of Namibia, Namibian Agronomic Board, Namibia Agricultural Union, and others:
Sustainable use of semi-arid rangelands under uncertainty – Ecological-economic analysis and evaluation of management and policy options

UNIVERSITY SERVICE

2021 – present	Chair (since 2023) and Member, Standing Examination Committee for the Master Programs, Department of Environment and Natural Resources, University of Freiburg
2018 – present	Member, Standing PhD Committee, Department of Environment and Natural Resources, University of Freiburg
2014 – present	Member, Faculty Council and Standing Habilitation Committee, Department of Environment and Natural Resources, University of Freiburg
2007 – present	Mentor of academically gifted students, German National Academic Foundation (Studienstiftung des deutschen Volkes)
2014 – 2017	Director, MSc Program Renewable Energy Engineering and Management, University of Freiburg
2012 – 2014	Director, PhD Program Sustainability Science, Leuphana University of Lüneburg
2011 – 2014	Chair, Standing PhD Committee (Dr. rer. pol.), Department of Sustainability Science, Leuphana University of Lüneburg
2010 – 2012	Member, Faculty Council, Department of Sustainability Science, Leuphana University of Lüneburg
2010 – 2011	Director, Institute of Sustainability Governance, Leuphana University of Lüneburg
2008 – 2010	Member, Standing PhD Committee, Department of Sustainability Sciences, Leuphana University of Lüneburg
2007	Head, Search Committee, Junior-Professorship Sustainable Use of Renewable Natural Resources, Leuphana University of Lüneburg
2000 – 2001	Member, Faculty Council, Department of Economics, University of Heidelberg
1996 – 1998	Coordinator, Interdisciplinary Studies in Environmental Sciences, University of Heidelberg

ORGANIZATION OF CONFERENCES AND WORKSHOPS

2021	Workshop <i>Uncertainty and Distribution in Natural Capital Valuation</i> , online
2019	Workshop <i>Environmental Forecasting: Causes and Consequences of Forecasting Cultures</i> , Freiburg
2018	Workshop <i>Responsibility for the Sustainable Management of the Global Commons</i> , Hohwacht
2017	Workshop <i>Marine Ecological-Economic Systems: Shifting the Baseline to a Regime of Sustainability</i> , Tilburg (The Netherlands)
2015	Workshop <i>Experiments on Intergenerational Justice under Uncertainty</i> , Camp Reinsehlen
2014	Workshop <i>Intergenerational Equity and Efficiency under Uncertainty</i> , Camp Reinsehlen
2012	Workshop <i>Responsibility for Sustainability – Economics and Philosophy</i> , Camp Reinsehlen
2010	Workshop <i>Sustainability Economics</i> , Berlin
2009	Junior Researcher Workshop <i>Environmental and Resource Economics</i> , Lüneburg
2008	Workshop <i>Conceptualizing Sustainability under Uncertainty</i> , Camp Reinsehlen
2007	Symposium <i>The Philosophy of Ecological Economics</i> , Conference of the European Society for Ecological Economics, Leipzig
2006	Workshop <i>Economics and Nature Conservation</i> , Heidelberg

- 2005 Symposium *The Insurance Value of Biodiversity*, First DIVERSITAS International Conference on Biodiversity, Oaxaca (Mexico)
- 2005 Workshop *Science Theory of Interdisciplinary Research – Preconditions, Potential and Limits of Integrating Ecology and Economics*, Heidelberg
- 2004 Symposium *Diversity in Competitive Systems – Ecological and Economic Perspectives*, Conference of the International Society for Ecological Economics, Montreal (Canada)
- 2004 Symposium *Joint Production – Thermodynamics, Economics, and Ethics*, Conference of the International Society for Ecological Economics, Montreal (Canada)
- 2004 Workshop *Sustainability and Uncertainty – A Challenge for Interdisciplinary Theory-Building*, German Institute for Economic Research DIW, Berlin
- 2000 International WE-Heraeus-Conference *Economic Growth – Driving Forces and Constraints in the Perspective of Economics and the Sciences*, Bad Honnef
- 2000 Workshop *Biodiversity as an Ecological and Economic Resource*, Inaugural Meeting of German Research Network *Economics and Nature Conservation*, Heidelberg
- 1999 Workshop *Joint Production and Environmental Pollution*, Heidelberg

REVIEWER FOR ACADEMIC JOURNALS

American Journal of Agricultural Economics, Australian Journal of Agricultural and Resource Economics, Canadian Journal of Economics, Conservation Biology, Climatic Change Letters, Ecological Complexity, Ecological Economics, Ecological Economics Reviews, Energy, Environment and Development Economics, Environmental and Resource Economics, Environmental Values, GAIA, Global Environmental Change, International Journal of Sustainable Development, Journal of the Association of Environmental and Resource Economists, Journal of Bioeconomics, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Human Development and Capabilities, Journal of Industrial Ecology, Land Use Policy, Natural Resource Modeling, Nature Sustainability, Resource and Energy Economics, Science, Structural Change and Economic Dynamics, Sustainability Science

REVIEWER FOR ACADEMIC PUBLISHERS

Edward Elgar, Elsevier, Routledge, Springer

REVIEWER FOR FUNDING AGENCIES

French National Research Agency (Agence National de la Recherche ANR), German Federal Environmental Foundation (Deutsche Bundesstiftung Umwelt DBU), German Federal Ministry of Education and Research (BMBF), German National Academic Foundation (Studienstiftung des deutschen Volkes), German Research Foundation (Deutsche Forschungsgemeinschaft DFG), Leibniz Association, Mercator Foundation, Swiss National Science Foundation (Schweizerischer Nationalfonds SNF), Volkswagen Foundation

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

BIOECON – Biodiversity and Economics for Conservation (Scientific Partner since 2011)
 European Association of Environmental and Resource Economists
 European Society for Ecological Economics

German Economic Association (Verein für Socialpolitik)
– Standing Committee on Environmental and Resource Economics
(Chair 2016–2018, Deputy Chair 2018–2020)
International Society for Ecological Economics