

# CV of Prof. Dr. Thomas Bernauer

## Personal Information

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## Education

MA University of Zurich, 1988, Political Science, History, International Law

Doctorate University of Zurich, 1992, Political Science

Postdoc Harvard University, 1992-94: Postdoctoral Research Fellow, Center for Science and International Affairs, 1992–1993 (collaboration with Profs. Graham Allison, Ashton Carter, Steven Miller); International Environmental Institutions Fellow, Center for International Affairs, 1993–1994 (collaboration with Prof. Robert Keohane and Prof. Oran Young)

## Employment History

1988 – 1992 United Nations, Research Associate, UN Institute for Disarmament Research (UNIDIR), Geneva

1994 –1995 University of Zurich, Senior Lecturer, Department of Political Science

1995 – ETH Zurich, Professor of Political Science (International Relations), Department of Humanities, Social and Political Sciences (D-GESS), Center for Comparative and International Studies (CIS, from 1997), Institute of Science, Technology and Policy (ISTP, from 2015), Institute for Environmental Decisions (IED, until 2014). Associate Professor (1999 – 2004) and Assistant Professor (1995 – 1999) at ETH Zurich.

## Institutional Responsibilities

2003 – 2004 ETH Zurich: Director of Studies, BA in Public Affairs

2003 – 2009 ETH Zurich / University of Zurich: Deputy Director of the ETH Zurich and University of Zurich Center for Comparative and International Studies (CIS) (2003-2005, 2009); Director of the CIS (2005-2009)

2004 – 2006 ETH Zurich: Head of Department (Dean), Department of Humanities, Social and Political Sciences (D-GESS)

2004 – 2012 Swiss National Science Foundation (SNSF): Member of the National Research Council and delegate of the SNSF for national research programs on right-wing extremism and benefits and risks of genetically modified organisms (2004-2012); member of the SNSF committee for international cooperation (2009-2010); President of Division IV of the SNSF (national research programs, NRP, and national centers of excellence, NCCR) (2011-2012).

2009 – 2014 ETH Zurich: Director of Studies, MA Program in Comparative and International Studies (MACIS)

2015 – 2021 Founding Director of ETH Zurich's Institute for Science, Technology and Policy (ISTP)

2015 – Director of Studies of the ISTP's MSc and continuing education program in Science, Technology and Policy

## Currently Ongoing Grant-Funded Research Projects

- Swiss Federal Office for the Environment, project “Swiss Environmental Panel” (since Oct 2018, open ended).

- ETH Zurich (competitive internal grants), ISTP research incubator programs “Swiss Mobility Panel” (Jan. 2021 – Dec. 2024), “Sustainable Supply Chains” (Jan. 2021 – Dec. 2024), and “Carbon Removal Lab” (Jan. 2022 – Dec. 2024).

- Swiss Network for International Studies (SNIS), project “Designing Environmentally Effective and

Politically Feasible Policies for Cleaner Urban Air in the Global South” (April 2023 – March 2025).

- European Union (Horizon, project 101056891), project “CAPABLE, ClimAte Policy AcceptaBiLity Economic framework” (Jan. 2023 – Dec. 2025)
- European Union (Response, GA No. 847585), project “Policy Designs for Addressing Societal Acceptance Challenges in CCU/CCS Demonstration and Deployment” (Jan. 2022 – Dec. 2024)
- ETH Domain (competitive research funding), project “SPEED2ZERO, Sustainable Pathways of Environmental and Energy Development towards Net Zero Switzerland”
- ETH Mobility Initiative (competitive research funding), project “ALIGN, Aligning policies and business strategies for sustainable mobility with consumer and citizen attitudes, behavior, and policy preferences” (Jan. 2024 – Dec. 2027)
- Swiss National Science Foundation (div.1, basic research), project “Clean Air Policy in Urban Areas of the Global South: Identifying and Explaining Variation in Monitoring Behavior, Pollution Levels, and Citizen Preferences” (Nov. 2023 – Aug. 2027)

### **Supervision and mentoring of Junior Researchers**

Thus far, Prof. Bernauer served as the main supervisor of 36 doctoral students (completed) and as a committee member or co-advisor for more than 30 doctoral students in Switzerland and abroad. His group currently includes 7 doctoral students, 1 postdoc, and one senior scientist. Several former junior researchers/doctoral students from his group are now professors/faculty members, including: Dr. Zorzeta Bakaki, University of Essex, UK; Prof. Dr. Michael Bechtel, University of Cologne, Germany; Dr. Liam Beiser, LSE, UK; Prof. Dr. Carola Betzold, Science Po, France; Prof. Dr. Tobias Böhmelt, University of Essex, UK; Prof. Dr. Robert Huber, University of Reading, UK; Prof. Dr. Aya Kachi, University of Basel, Switzerland; Dr. Dennis Kolcava (Vienna University of Economics); Prof. Dr. Quynh Nguyen, University of Bern; Prof. Dr. Thomas Sattler, University of Geneva, Switzerland; Prof. Dr. Lena Schaffer, University of Lucerne, Switzerland; Prof. Dr. Gabriele Spilker, University of Konstanz, Germany; Prof. Dr. Stefanie Walter, University of Zurich, Switzerland.

### **Teaching Activities**

Courses at the undergraduate and graduate level taught in recent years at ETH Zurich: Political Economy; International Environmental Politics; Science, Technology and Public Policy; Introduction to Political Science; International Water Resources Management.

### **Memberships in Panels, Boards, and Scientific Societies**

- 2020 - Working group Mobility 4.0, Swiss Federal Roads Office
- 2018 – IPCC, lead author in Working Group II for the AR 6 Report
- 2008 – Centre for the Study of Democracy, Aarau: Member of the governing board ([www.zdaarau.ch](http://www.zdaarau.ch))
- 2008 – 2017 Swiss Network for International Studies: Member of the governing board ([www.snis.ch](http://www.snis.ch)).
- 2013 – World Trade Institute (WTI), University of Bern: Member of the advisory board
- 2013 – 2015 Steering Committee, Swiss Competence Centers for Energy Research (SCCER)
- 2010 – 2012 United Nations Environment Program: lead author of UNEP’s Global Environmental Outlook (GEO-5) report, Europe
- 2015 – 2016 United Nations Environment Program: coordinating lead author of UNEP’s Global Environmental Outlook (GEO-6), regional assessment Europe, policy part
- 2018 – 2020 Member of the Committee of Experts for the German Excellence Strategy
- 2020 – Member of the Committee of Experts for the Elite Network of Bavaria
- 1995 - Memberships in scientific societies: International Studies Association, American Political Science Association, Swiss Political Science Association.

### **Organization of Conferences**

Environmental Politics and Governance (EPG) Conference (annually since 2015)

Political Economy of International Organizations Conference (PEIO) (annually since 2008)

### **Prizes, Awards, Fellowships**

Scholarship for Prospective Researchers (postdocs), Swiss National Science Foundation, 1992-1994; American Political Science Association: Don K. Price Award 2005 for the best book on science,

technology and environmental politics for “Genes, Trade and Regulation: The Seeds of Conflict in Food Biotechnology”, Princeton University Press, 2003; International Geneva Award 2012 („aims to encourage outstanding researchers and reward scientific publications that are particularly relevant for International Organizations“) for the article „Climate Change and International Water Conflict in Central Asia“ (Journal of Peace Research, 2012); ERC Advanced Grant for project „Sources of Legitimacy in Global Environmental Governance“ (September 2012 – February 2018); American Political Science Association (Science, Technology & Environmental Politics Section), Elinor Ostrom Career Achievement Award, given to an individual in recognition of their lifetime contribution to the study of science, technology, and environmental politics (2019); Journal of Public Policy Best Paper Award 2021 for “Are policymakers responsive to public demand in climate politics?” (co-authored with Lena Schaffer and Bianca Oehl).

## Scientific Achievements

In his research and teaching Thomas Bernauer focuses on political and other conditions under which societal problems that extend beyond national borders can be solved (see <http://www.ib.ethz.ch>; <http://www.istp.ethz.ch>). Empirically, his work concentrates on environmental policy as well as international trade issues. He is the author/co-author of more than 155 articles in scientific journals, 12 books, 38 chapters in edited books (as of Oct. 2023), and many contributions to newspapers and blogs. Google citation index: citations=13'502/ h-index=63 / i-10 index=170.

Thomas Bernauer has studied international governance issues for the past 30 years, starting with research on the global chemical weapons ban, research on nuclear and biological arms control, and involvement as a postdoc in projects, led by Profs. Robert Keohane and Oran Young, on international environmental institutions. Since then, most of his research has concentrated on measuring and explaining international cooperation and its effectiveness, explaining differences in environmental policy and its effectiveness across countries and time, and on citizen and consumer attitudes and behaviour with respect to environmental and trade issues. Two of the unique characteristics of the research by Bernauer and his group at ETH Zurich are, first, that they use a wide range of methods, including qualitative case studies, advanced statistical techniques, geographic information systems (GIS), experiments, and surveys to study key issues in environmental and trade politics and governance, and second, that they collaborate with natural scientists and engineers.

The following scientific achievements are particularly noteworthy:

### *1. Macro-level quantitative research on trade and environmental policy*

Bernauer and his group have used advanced statistical techniques to investigate a wide range of environmental and trade issues in international comparison.

Concerning environmental policy, we have constructed empirical models to explain variation across countries and time in greenhouse gases, SO<sub>2</sub>, and other emissions, air and water quality, climate and energy policy choices, national commitments towards international environmental agreements, and water-related cooperation and conflict. Publications from this research have, for instance, appeared in journals such as Nature Climate Change, Global Environmental Change, International Organization, British Journal of Political Science, Political Geography, Environmental Science and Technology, Energy Policy, Nature Sustainability, and Global Environmental Politics.

Concerning international trade, we have focused on how economic openness and international trade in particular has influenced environmental performance and domestic and environmental policy choices, and how international trade disputes evolve and are settled (or not). Publications from this research have, for instance, appeared in journals such as the British Journal of Political Science, the European Journal of Political Research, Ecological Economics, and Environmental Science and Technology.

### *2. Micro-level survey embedded experiments on trade and environmental policy*

An ERC Advanced Grant and two SNSF projects have allowed Bernauer's group to develop a strong research agenda focusing on mass public attitudes and preferences with respect to environmental and trade issues.

Concerning environmental issues, we have focused on measuring and explaining attitudes and preferences

(and partly also behaviour) with respect to climate policy and environmental policy more broadly. This research has concentrated on a wide range of countries, e.g. Bangladesh, Brazil, China, Germany, India, United States, Switzerland, Vietnam. The main publications from this research have, for instance, appeared in journals such as *Nature Climate Change*, *Nature Food*, *Global Environmental Change*, *Journal of Cleaner Production*, *Environmental Science and Policy*, *European Union Politics*, *Climatic Change*, *Energy Policy*, *Ecological Economics*, *Science Advances*, and *Environmental Research Letters*. Building on these skills, Bernauer's group has established two (still ongoing) survey panel studies in Switzerland in 2018 and 2020 respectively (Swiss Environmental Panel, Swiss Mobility Panel), in which large, nationally representative samples of the resident population are surveyed twice a year.

Concerning international trade, we have focused on measuring and explaining attitudes and preferences with respect to trade and trade policy in a wide range of countries, including Costa Rica, Germany, Nicaragua, United States, and Vietnam. The main publications from this research have, for instance, appeared in journals such as *International Studies Quarterly*, *Journal of Politics*, *Global Environmental Politics*, *International Interactions*, *World Development*, and *Political Studies*.

### *3. Case study research and interaction with policy-makers and stakeholders*

Bernauer has carried out qualitative case study research in a wide range of countries over the past 30 years, including for instance countries in Central Asia, Southern Africa, Western Europe, and North America. Most of this work has focused on international water management, on regulatory policy in the area of genetic engineering, and on arms control. This research involved intense interaction and qualitative interviews with a wide range of stakeholders (usually representatives of the business sector and civil society) and policy-makers. Two types of activities have, in recent years, enhanced Bernauer's interest in, and capacity to, engage with stakeholders and policy-makers. First, Bernauer served as a lead author and coordinating lead author, respectively, in UNEP's flagship project, the Global Environmental Outlooks, notably GEO-5 and GEO-6. This involved assessing the state of current scientific knowledge on key environmental issues in Europe, and presentation of the findings to policy-makers. From 2018, he also served as a lead author in IPCC WG II for AR6. Second, Bernauer served as the founding director of ETH Zurich's Institute of Science, Technology and Policy from 2015 – 2021 (ISTP, [www.istp.ethz.ch](http://www.istp.ethz.ch)), which carries out interdisciplinary research and fosters interaction between science, politics, and society.