

Curriculum Vitae

Personal Information: Prof. Dr. Thomas Bernauer

Address: ETH Zurich, Center for Comparative and International Studies (CIS) & Institute of Science, Technology and Policy (ISTP), Haldeneggsteig 4, CH-8092 Zurich, Switzerland

URL/email: <http://www.ib.ethz.ch>; <http://www.istp.ethz.ch>; thbe0520@ethz.ch

Phone: +41 44 632 6771; +41 79 770 4916

Google Scholar Profile: <https://scholar.google.ch/citations?user=fQWggs0AAAAJ&hl=en>

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 – Director of ETH Zurich's Institute for Science, Technology and Policy (ISTP), and Director of Studies of the ISTP's MSc and MAS programs in Science, Technology and Policy

Supervision of Junior Researchers

Thus far, I served as the main supervisor of 28 PhD students (completed) and as a committee member or co-advisor for 18 PhD students in Switzerland and abroad (completed). My group currently includes 4 PhD students and 4 postdocs/senior researchers. Several former junior researchers in my group are now professors, notably: Prof. Dr. Michael Bechtel, Washington University; Prof. Dr. Tobias Böhmelt, University of Essex; Prof. Dr. Aya Kachi, University of Basel; Prof. Dr. Vally

Koubi, University of Bern, ETH Zurich; Prof. Dr. Thomas Sattler, University of Geneva; Prof. Dr. Lena Schaffer, University of Lucerne; Prof. Dr. Gabriele Spilker, University of Salzburg; Prof. Dr. Stefanie Walter, University of Zurich.

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; Introduction to International Politics; International Water Resources Management.

Memberships in Panels, Boards, and Scientific Societies

- 2008 – Centre for the Study of Democracy, Aarau: Member of the governing board (www.zdaarau.ch)
- 2008 – Swiss Network for International Studies: Member of the governing board (www.snis.ch).
- 2013 – World Trade Institute (WTI), University of Bern: Member of the governing 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 – United Nations Environment Program: coordinating lead author of UNEP’s Global Environmental Outlook (GEO-6), regional assessment Europe, policy part
- 1995 - Memberships in scientific societies: International Studies Association, American Political Science Association, Swiss Political Science Association.

Reviewing Activities in Past Five Years (Selected)

Editorial Board member: British Journal of Political Science, International Interactions, International Organization, Journal of Environment and Development, Review of Policy Research, Strategic Behavior and the Environment. Reviewing: APSR, AJPS, BJPOLS, Ecological Economics, Environmental Politics, Environmental Science and Policy, Global Environmental Change, Global Environmental Politics, International Interactions, International Organization, International Security, ISQ, JPR, JOP, Nature Climate Change, PNAS, Political Geography. Grant proposal reviewing: ERC, SNSF, DFG.

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).

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>). Empirically, his work concentrates on environmental policy as well as international trade issues. He is the author/co-author of around 90 articles in scientific journals, 11 books, around 35 chapters in edited books (as of June 2017), and many contributions to newspapers and blogs. Google citation index: citations=4534 / h-index=37 / i-10 index=86.

Thomas Bernauer has studied international governance issues for the past 25 years, starting with PhD 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 explaining the determinants of international cooperation and its effectiveness, explaining differences in environmental policy and its effectiveness across countries and time, and public opinion 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 broad combination of methods, including qualitative case studies, advanced statistical techniques, geographic information systems (GIS), experiments, surveys, and formal modelling to study key issues in international politics and global governance, and second, that they collaborate with natural scientists and engineers.

The following scientific achievements in the past five years are particularly relevant:

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 greenhouse gas, SO₂, and other emissions, air and water quality, climate and energy policy choices, national commitments towards international environmental agreements, and domestic and international water 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*, 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 on 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* and the *European Journal of Political Research*.

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

An ERC Advanced Grant and two NCCR projects (all three of which will end in August 2017) 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 global climate governance and various facets thereof. This research has concentrated on a wide range of countries, notably, Brazil, China, Germany, India, United States, and Switzerland. The main publications from this research have, for instance, appeared in journals such as *Nature Climate Change*, *Global Environmental Change*, *Environmental Science and Policy*, *European Union Politics*, *Climatic Change*, *Energy Policy*, and *Ecological Economics*.

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*, and *Global Environmental Politics*.

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 25 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. Three 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. Second, he was involved in a project on trade preferences in the business sector in Costa Rica and is now involved in an upcoming interdisciplinary project on the global environmental footprint of metals processed and consumed in Switzerland. This project involves intense interaction with stakeholders (firms, civil society) and policy-makers. Finally, Bernauer serves as the director of ETH Zurich's Institute of Science, Technology and Policy (ISTP, www.istp.ethz.ch), which carries out interdisciplinary research and fosters interaction between science, politics, and society.