

Aya Kachi, PhD

Associate Professor for International Political Economy and Energy Policy
University of Basel | Faculty of Business and Economics

Peter Merian-Weg 6 | 4002 Basel | Switzerland

E-Mail. aya.kachi@unibas.ch

Web. www.unibas.ch/en/kachi/

ORCID ID. <https://orcid.org/0000-0003-3780-8639>

Google Scholar Citations. <https://bit.ly/32173Nz>

DOB: September 27, 1978 | Nationality: Japan

Education

2005 - 2012	University of Illinois, Urbana-Champaign USA Ph.D. Political Science <i>Committee: Milan Svolik (Chair), Janet Box-Steffensmeier, James Kuklinski, Brian Gaines, Tracy Sulkin</i> <i>Title: Diffusion, Co-Evolution and Strategic Interdependence in Comparative and International Politics: New Spatial Econometric and Event History Approaches</i>
2008 - 2009	Princeton University USA Predoc (Visiting Ph.D. Student) Dept. of Politics
2002 - 2004	Duke University USA M.A. Economics
1998 - 2002	University of Tokyo Japan B.A. Economics

Additional Education

April, 2019	Case Method Teaching Seminar Harvard Business School Executive Education Prof. Jim Dowd A one-day course brought to Switzerland by the Executive MBA Program of the University of St.Gallen. The seminar covered didactic methods for case-based teaching.
Jun - Jul 2007	Empirical Implications of Theoretical Modeling (EITM) University of California Los Angeles USA

Employment History

08 2020 - Present	University of Basel Switzerland Associate Professor (Tenured) Faculty of Business and Economics
05 2015 - 07 2020	University of Basel Switzerland Assistant Professor Faculty of Business and Economics
Jan - Feb 2016	Georgetown University USA Visiting Scholar McDonough School of Business
2012 - 2015	ETH Zurich Switzerland Postdoc GESS Department
2004 - 2005	Japan Institute of International Affairs (JIJA) Japan Research Fellow

2001	The Ministry of Foreign Affairs of Japan Economic Affairs Bureau Part-time staff
2000	The Ministry of Economy, Trade and Industry of Japan Part-time researcher

Institutional Responsibilities

2019 - Present	Guest Editor Journal Sustainability For its special issue “The Political Economy of Energy Policy: Stakeholder versus Voter Preferences in Political Decision-Making Processes”. [Detailed call for papers]
2017 - Present	Co-Lead Energy Governance Work Package (WP4) SCCER-CREST* <ul style="list-style-type: none"> » Coordinate research of 10 affiliated professorships. » Summarize our activities for the annual report. (Subject to annual evaluation.) » Present the work package highlights at the annual evaluation meeting. » Attend the board meeting 2-3 times a year. » Prepare our panel at the SCCER-CREST Annual Conferences. » Manage conflicts. <i>*SCCER-CREST (Swiss Competence Center for Energy Research – Society and Transition) is a nation-wide, interdisciplinary research consortium of energy researchers in Switzerland.</i>
2015 - Present	Director Empirical Methodology Working Group Swiss Political Science Association
2002 - Present	Board Member The Faculty of Economics Alumni Association University of Tokyo
Fall 2019, Spring 2020	Convenor Faculty’s Research Seminar University of Basel With Prof. Conny Wunsch & Prof. Ulf Schiller
2015 - 2016	Affiliated Researcher Energy Policy, Markets & Regulation Work Package SCCER-CREST* <i>*SCCER-CREST (Swiss Competence Center for Energy Research – Society and Transition) is a nation-wide, interdisciplinary research consortium of energy researchers in Switzerland.</i>

Fields of Interest

International Political Economy: Global and domestic policy-making processes, Lobbying, (Applications in: Energy and climate policy, Sustainable Urban Development)

Political Methodology: Spatial econometrics, Survival (duration) analysis, Survey & survey experiment methods

Policy & Science communication: Policy/Science communication and citizens’ information uptake, Measuring public opinion

Grants, Prizes, and fellowships

»» The items indicated by '»»' have been achieved during the past 5 years. This applies throughout the remainder of the CV.

Project Grants as a Principal Coordinator

Achieved	»»	Dec 2019	2020 WWZ Förderverein Project Grant (Acceptance rate: Very high) For the 1-year project "(FV-79) Swiss Investors' Decision-Making in the Field of Energy Efficient Real Estate" (with Pascal Gantenbein)	CHF 43,300 / USD 44,400
	»»	Oct 2019	SNF Scientific Exchanges Grant (Application evaluation on a rolling basis) For inviting 8 foreign experts (Australia, Canada, Japan, U.K., The Netherlands) for the expert and public event " The Coal Challenge: Climate Change, Employment, and Energy Politics " on Jan 21-23, 2020.	CHF 17,700 / USD 18,000
	»»	June 2019	SNIS* Project Grant (Acceptance rate: 8.3%) For the 2-year project " COALSTAKE — The Political Economy of Coal Policy: Comparative Analyses of Stakeholder Strategies and Resource Industries' Embeddedness in the International Economy" (with Adrian Rinscheid) (Oct 2019 - Sept 2021) <i>*SNIS = Swiss Network For International Studies</i>	CHF 242,228 / USD 246,000
	»»	Nov 2018	2019 WWZ Förderverein Project Grant (Acceptance rate: Very high) For the 1-year project "(FV-71) Energy Efficiency Labeling of Residential Buildings in Switzerland: An Analysis of Rent Premium and Its Determinants " (with Pascal Gantenbein)	CHF 43,300 / USD 44,400
Nominated	»»	2016	SNIS Project Grant Selected for the final evaluation round: "The Politics of Sustainable Energy Transitions: Explaining Stakeholder Influence on Energy Policy"	

Other Prizes and Fellowships

Achieved	»	2011	Gosnell Prize for Excellence in Political Methodology Awarded for the best work in political methodology presented at any political science conference during the preceding year. "Modeling History-Dependent Network Coevolution" by Franzese, Hays and Kachi.	
	»	2010	Political Networks Conference (POLNET) Poster Award	
	»	2007	Society for Political Methodology Poster Award Give for the best poster presented at the annual summer Methodology Meeting of the previous year.	
	»»	Multi years	National Science Foundation (NSF) fellowship For attending the Society for Political Methodology Conference. 2007, 2008, 2009, 2010, 2011(declined), 2015.	
Nominated	»»	2016, 2017	Teaching Excellence Award University of Basel	

Publications

»» The items indicated by '»»' have been achieved during the past 5 years.

Peer-Reviewed Journal Articles

		<i>Cited</i>
2020	»» Julian Wucherpennig, Aya Kachi, Nils-Christian Bormann and Philipp Hunziker. "A Fast Estimator for Binary Choice Models with Spatial, Temporal, and Spatio-Temporal Interdependence." (Accepted for publication at Political Analysis). [Working paper version here]	
2019	»» Brilé Anderson, Thomas Bernauer and Aya Kachi. "Does international pooling of authority affect the perceived legitimacy of global governance?" Review of International Organizations [Article here]	x 13
2018	»» Yann Blumer, Lukas Braunreiter, Aya Kachi, Rebecca Lordan-Perret and Fintan Oeri. "A two-level analysis of public support: Exploring the role of beliefs in opinions about the Swiss energy strategy." Energy Research & Social Science 43:109-118. [Article here]	x 12
2015	»» Aya Kachi, Thomas Bernauer and Robert Gampfer. "Climate policy in hard times: Are the pessimists right?" Ecological Economics 114:227-241. [Article here]	x 36
2014	» Robert Gampfer, Thomas Bernauer and Aya Kachi. "Obtaining public support for North-South climate funding: evidence from conjoint experiments in donor countries." Global Environmental Change 29:118-126. [Article here]	x 35
	» Thomas Bernauer, Robert Gampfer and Aya Kachi. "European unilateralism and involuntary burden sharing in global climate politics: A public opinion perspective from the other side." European Union Politics 15(1):132-151. [Article here]	x 24
2012	» Robert J. Franzese, Jr., Jude C. Hays and Aya Kachi. "Modeling History Dependence in Network-Behavior Coevolution." Political Analysis 20:175-190. [Article here]	x 51
2010	» Hays, Jude C., Aya Kachi and Robert J. Franzese, Jr. "A Spatial Model Incorporating Dynamic, Endogenous Network Interdependence: A Political Science Application." Statistical Methodology 7(3):406-428. [Article here]	x 129

Awaiting Review

- »» Aya Kachi and Rebecca Lordan-Perret. "How Political Predispositions Influence Factual and Perceived Knowledge about Energy Technologies: Empirical Analyses of Deep Geothermal Energy and Hydropower in Switzerland." (R&R in preparation). [[Preprint here](#)]
- »» Peter Hettich and Aya Kachi (as book editors). *Swiss Energy Governance: Political, Economic and Legal Challenges and Opportunities in the Energy Transition* (Submitted).
- »» Mert Duygan, Aya Kachi, Fintan Oeri, Thiago D. Oliveira, Adrian Rinscheid. (Book chapter in the above volume) "Energy Policymaking in Switzerland: A Survey of Stakeholders' Views, Practices, and Resources" (Submitted).
- »» Roman Stutzer, Adrian Rinscheid, Thiago D. Oliveira, Pedro Mendes Loureiro, Aya Kachi, Mert Duygan. "Public Climate Change Counter-Action in Australia Despite Pro-Climate Collective Sentiment on Twitter" (Submitted).

Published Book Chapters, Contributions to Edited Volumes

		<u>Cited</u>
2015	» Jude C. Hays and Aya Kachi. "Interdependent duration models in political science" in Quantitative Research in Political Science, Vol.5 Edited by Robert J. Franzese. Sage Publications Ltd. [Link here]	x 40
2005	» Shujiro Urata, Kozo Kiyota, Mitsuyo Ando and Aya Kachi. <i>Report on a Survey on Impediments to Trade and FDI between East Asian and Latin American Countries</i> . Japan Institute of International Affairs, Commissioned by the Ministry of Foreign Affairs, Tokyo, Japan.	NA
2002	» Aya Kachi. "Ch.9: Economics of Food Safety" (in Japanese). in <i>Food and Agricultural Affairs in Japan: Political Economics of Producers and Consumers</i> Edited by Moto-shige Itoh. Tokyo, Japan: NTT Shuppan.	NA
2001	» Hiroyuki Sugiura, Motohige Itoh, Yukiko Itoh and Aya Kachi. <i>Report on the Issues Related to Asian Regional Economic Cooperation</i> (in Japanese). The Ministry of Economy, Trade and Industry, Tokyo, Japan.	NA

Working Papers

- »» Philipp Hunziker, Julian Wucherpennig, Aya Kachi, Nils-Christian Bormann. "A Scalable MCEM Estimator for Spatio-Temporal Autoregressive Models". [[Working paper here](#)]
- »» Rebecca Lordan-Perret and Aya Kachi. "What Motivates Us to Seek Information About Energy Policies?: Swiss Citizens' Information Seeking Behavior on Deep Geothermal Energy." [Working paper available upon request]
- »» Aya Kachi, Rebecca Lordan-Perret and Rahel Grossenbacher. "Acceptability of Deep Geothermal Energy by the Public in Switzerland: The Role of Knowledge, Trust, and Value Orientations" [Working paper available upon request]
- »» Rahel Fritz and Aya Kachi. "Framing international trade: A Survey Experiment Eliciting Individual Trade Attitude and Information Updating" [Working paper available upon request]
- »» Aya Kachi, Adrian Rinscheid and Rolf Wüstenhagen. "Making and breaking of energy transitions: Perspectives on stakeholder involvement and propositions for future research." [Working paper available upon request]
- »» Pascal Gantenbein, Aya Kachi, Mine Melzig and Silvan Keller. "The Rent Premium of Residential Minergie Buildings in Switzerland." [Working paper available upon request]
- »» Tabea Baumgartner, Aya Kachi, Umberto Michelucci. "University Students' Needs and Requirements in Artificial Intelligence Education."

Conference and Panel Organization

I have organized several conferences and conference panels during the past years.

Jan 21-23, 2020	The Coal Challenge: Climate Change, Employment, and Energy Politics University of Basel (WWZ) Basel Switzerland. Hosted & organized the international symposium as the COALSTAKE project PI. Info: https://coalstake.org/coalchallenge
May 10-11, 2019	1st Joint Political Methodology Conference of the Swiss- and German Political Science Association University of Basel (WWZ) Basel Switzerland. Hosted & organized the conference. Info: http://methodology-dvpw-svpw.com
March 4, 2019	Women in Data Science (WiDS) Basel University of Basel (Psych. Dept.) Basel Switzerland. Co-organizer of the conference (with Prof. Rui Mata). https://psychologie.unibas.ch/de/wids-basel/
June 2016	Nuclear power in the 21th century: Old questions, new insights? Co-organizer of the international policy session (with Prof. Hannes Weigt) at the EAERE Annual Conference. ETH Zurich Zurich Switzerland.
September 2017, 2018, 2019, 2020	WP4 panel, The SCCER CREST Annual Conference Co-organizer/Moderator (with Prof. Peter Hettich, Lead of WP4). Info: https://www.sccer-crest.ch/annualconference2019/

Invited Talks, Discussions, Panels at Academic and Government Events (Listed only for 2015-)

- 2019
- »» **Invited presenter** at the [University of Essex](#) (the Government Department), Colchester, U.K.. Will present: "How Political Predispositions Influence Factual and Perceived Knowledge about Energy Technologies: Empirical Analyses of Deep Geothermal Energy and Hydropower in Switzerland". (Oct 29)
 - »» **Invited expert** at [KAPSARC \(King Abdullah Petroleum Studies and Research Center\)](#), Riyadh, Saudi Arabia. The Workshop *Analytical Approaches to Blending Political Science with the Study of Energy Market*. Will give expert comments on public opinion studies in energy policy-making. (Oct 23)
 - »» **Invited speaker** at the [University of Basel \(Political Science Department\)](#), Switzerland. "Hot Off the Press" speaker series run by Stefanie Bailer. Presented: "What Motivates Us to Seek Information About Energy Policies?: Swiss Citizens' Knowledge and Information Seeking Behavior Around Deep Geothermal Energy Technologies". (April 3)
 - »» **Invited speaker (as well as an organizer)** at [Women in Data Science Basel \(WiDS – Basel\)](#), a joint event between the faculty of Business and Economics and the Faculty of Psychology at the Uni Basel. Hosted at the Faculty of Psychology, Uni Basel, Basel, Switzerland. (March 4)

- »» **Invited presenter** at [The Institute for Futures Studies](#), Stockholm, Sweden. The workshop *Sharing the Burden? Public Values, Attitudes, and Preferences about Climate Policy*. Presented: "What Motivates Us to Seek Information About Energy Policies?: Swiss Citizens' Knowledge and Information Seeking Behavior Around Deep Geothermal Energy Technologies". (February 21-22)
- »» **Invited discussant** at [The Public Opinion and Foreign Aid Conference](#) organized by the University of Geneva and Princeton University (Niehaus Center for Globalization and Governance). Took place in Geneva, Switzerland. Discussed papers that involve surveys, survey experiments, and semi-structured interviews. (February 11-12)
- 2018 »» **Invited speaker** at the [University of Basel \(Political Science Department\)](#), Switzerland. "Hot Off the Press" speaker series run by Stefanie Bailer. Presented: "Equally supportive but for different reasons: Investigating public support for national energy transition goals vs. their implementation".
- 2017 »» **Invited plenary panelist** at the [International Scientific Conference: 20 years of the Energy Law in Poland](#), organized by the Energy Regulatory Office of Poland & Warsaw Technical University, Warsaw, Poland. Spoke about: "Toward integrated development processes for energy policymaking: stakeholder involvement from Political Economy perspectives"
- »» **Invited speaker** at the [SEPS-HSG Political Science Research Seminar](#), University of St. Gallen, Switzerland. Presented: "Making and breaking of energy transitions: Perspectives on stakeholder involvement and propositions for future research".
- »» **Invited speaker** at the public event within the Denk Weiter-woche (Think Further Week), organized by the Fachstelle für Nachhaltigkeit, University of Basel, Switzerland. Presented: "Public Opinion in Climate Change".
- »» **Invited speaker** at the SCCER-CREST Annual Conference (the public, stakeholder, and researcher's joint event), University of St. Gallen, Switzerland. "Enabling policies from investor & stakeholder perspectives".
- 2016 »» **Invited instructor** at the [ECE Summer School on Energy Systems in Transition: Economic, policy and social challenges](#), University of St. Gallen, Switzerland. Lecture theme: "The origins of policy risk: stakeholder engagement in energy politics"
- 2015 »» **Invited speaker** at the [Research Seminar in Comparative Politics, Interdependence, and Globalization](#), University of Kiel, Germany. Presented: "Framing citizens?: Effects of the economic co-benefits, community-development and public health frames on public support for climate mitigation policies".
- »» **Invited instructor** at the [Summer Term Methods Seminar: Event History \(Survival\) Analysis](#). The German Institute of Global and Area Studies (GIGA), Hamburg, Germany.

Conference Presentations (That I Applied, Not By Invitation / Listed only for 2015 -)

When I attend a conference, I also serve as a discussant for multiple conference panels.

- 2017 »» **Presenter**. "Making and breaking of energy transitions: A review of studies on stakeholder influence and propositions for future research", 1st International Conference on Energy Research and Social Science, Sitges, Spain.
- »» **Presenter**. "Making and breaking of energy transitions: A review of studies on stakeholder involvement and propositions for future research", Annual Conference of the Swiss Political Science Association, St. Gallen, Switzerland.

- »» **Panel chair.** Panel: Empirical Methodology Section, Annual Conference of the Swiss Political Science Association, St. Gallen, Switzerland.
- 2016
 - »» **Organizer and moderator** (together with Hannes Weigt) for the policy session “Nuclear power in the 21th century: Old questions, new insights?” at the European Association of Environmental and Resource Economists (EAERE) Annual Conference, ETH Zurich, Switzerland.
- 2015
 - »» **Presenter.** “Estimating interdependence across space, time and outcomes in binary choice models using pseudo maximum likelihood estimators”, European Consortium for Political Research (ECPR) Joint Sessions of Workshop, Warsaw, Poland.
 - »» **Presenter.** “Could procedural improvements increase public support for climate change mitigation?” Annual Conference of International Studies Association (ISA), New Orleans, U.S.A.
 - »» **Presenter.** “Estimating interdependence across space, time and outcomes in binary choice models using pseudo maximum likelihood estimators”, The Society for Political Methodology Annual Meeting (PolMeth), University of Rochester, U.S.A.

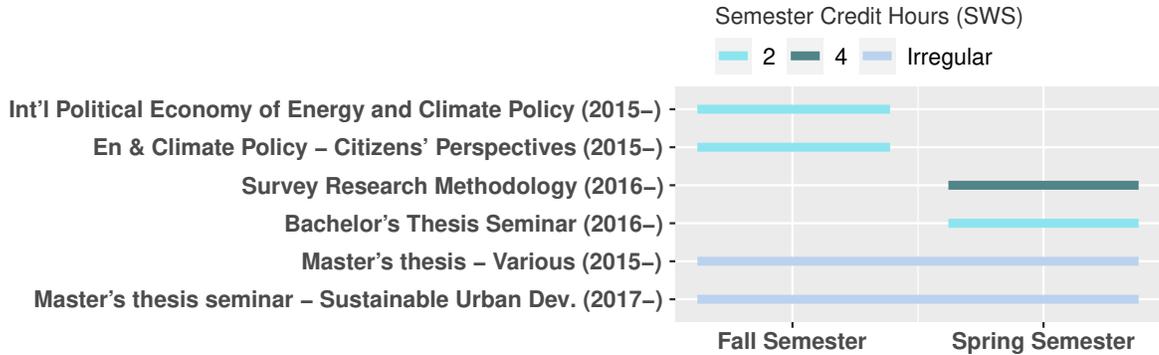
Other Outreach Activities

- 2019
 - »» **Session moderator.** Panel: Energy Governance: Swiss Competence Center for Energy Research – Society and Transition (SCCER-CREST) Annual Conference, HES-SO, Sierre, Switzerland.
- 2018
 - »» **Contribution to a poster.** Professors’ quotes on conference travel and sustainability, Public event at the Denk Weiter-woche (Think Further Week), Fachstelle für Nachhaltigkeit, University of Basel, Switzerland.
 - »» **Session moderator.** Panel: Governance and the Future of Energy (Building’s energy efficiency) (With an invited panelist, Roman Bolliger from Econcept AG): Swiss Competence Center for Energy Research – Society and Transition (SCCER-CREST) Annual Conference, University of Basel, Switzerland.
- 2017
 - »» **Session moderator.** Panel: Energy governance, Public, stakeholder, researcher joint event: Swiss Competence Center for Energy Research – Society and Transition (SCCER-CREST) Annual Conference, University of St. Gallen, Switzerland.
 - »» **Contribution to a poster.** “Making and Breaking of. Sustainability Transitions: On Stakeholder Influence and Propositions for Future Research”, Public event at the Denk Weiter-woche (Think Further Week), Fachstelle für Nachhaltigkeit, University of Basel, Switzerland.

Teaching / Advising / Mentoring

Overview of my courses offered at the University of Basel

* Master's thesis seminar on Sustainable Urban Development is co-instructed by Prof. Pascal Gantenbein.



Course evaluations: Average scores for 8 items (2015-2019)

Scores reported below are the averages of all courses ($N = 365$ all combined). All the average scores lie between 5 and 6, with "commitment" nearing 6.

Included course evaluation items:

1. Overall, the course was: Very bad (1) – Very good (6)
Agreement to the statement: Totally disagree (1) – Agree completely (6)
2. I would recommend this course to other students.
3. The lecturer structures the course well and identifies the objectives clearly.
4. I think that the lecturer is committed.
5. The material that is provided is helpful.
6. The tutorials promote comprehension of the subject matter.
7. The course has promoted my ability to structure and present a topic.
8. The course has promoted my ability to discuss.



Supervision of Junior Researchers at Graduate and Postgraduate Levels

Current Ph.D. students:

Count: 3

- »»(1) Mine Melzig (External PhD student, 2017- / Energy efficiency in property markets; Co-supervising w/ Prof. Dr. Pascal Gantenbein),
- »»(2) Fintan Oeri (Internal PhD student, 2017- / Stakeholder influence & energy policy),
- »»(3) Diep Nguyen (Internal PhD student, 2015-Q3/2019 / External PhD student, Q4/2019- / Household decision-making on education, migration, & health)

Current master's thesis supervision:

Count: 3

Laura Jeker / Manuel Hürlimann / Melanie Wyss

Past master's thesis advising at Uni Basel:

Count: 15

- »»(2019) Adrian Sutter / Marvin Geissler / Severin Schürmann / Michael Rudin / Sibylle Landolt /
- »»(2018) Silvan Keller / Lukas Linsenmann / Adrian Meier /
- »»(2017) Rahel Grossenbacher / Rahel Fritz / Kim Berrendorf / Zechuan Chu /
- »»(2016) Sophie Hersberger (Langloh) / Andreas Blaser / Marco Vincenzi

Past master's seminar paper advising:

Count: 1

- »»David Oetiker (2016)

Other mentoring activities:

I perceive mentoring and advising as important part of my professorship. Whenever appropriate, I strive to promote junior researchers for their career advancement. This includes writing a recommendation letter for their fellowships and job applications, or involving and crediting them in grant-proposal writing. The following are selected examples.

- »» Rebecca Lordan-Perret (Postdoc, Uni Basel, Joint grant proposal for Toyota Foundation 2017 –Not succeeded.)
- »»Adrian Rinscheid (Postdoc, Uni SG, Joint grant proposal for SNIS Project 2019 – Succeeded.)
- »»Adrian Rinscheid (PhD student, Uni SG, Joint grant proposal for SNIS Project 2016 – Not succeeded.)
- »»Fintan Oeri (PhD student, Uni Basel, Letter for the Gerzensee Program, Microecon, 2018-2019 – Succeeded)
- »»Diep Nguyen (PhD student, Uni Basel, Letter for the Gerzensee Program, All, 2015-2016 –Succeeded)
- »»Carla Manuela Tavares Mendes (PhD student, Uni Basel, Reviewed her SNF DocMobility proposal and commented extensively, 2018 –Succeeded)
- »»Jonas Schmid (Uni Bern, Letter for his SNF DocCH 2018 –Succeeded)
- »»Brilé Anderson (Former PhD at ETH, For her current job at OECD 2016- –Succeeded)

Scholarly Services

Editorship for journals: Guest editor for the journal *Sustainability* (Currently on-going). Planning and implementation of the special issue “[The Political Economy of Energy Policy: Stakeholder versus Voter Preferences in Political Decision-Making Processes](#)”.

Scientific journal referee for (selected): American Journal of Political Science (AJPS) / British Journal of Political Science (BJPS) / Climatic Change / Comparative Political Studies (CPS) / Ecological Economics / Energies / Energy Journal / Environmental and Resource Economics (EARE) / Global Environmental Change (GEC) / International Interactions (II) / International Studies Quarterly (ISQ) / Journal of Experimental Political Science (JEPS) / Journal of Politics (JOP) / Journal of Public Policy (JPP) / Nature Energy / Political Analysis (PA) / Political Psychology (POPS) / Political Science Research and Methods (PSRM) / Public Opinion Quarterly (POQ) / Review of International Organization(RIO) / Review for Political Psychology / Social Network Analysis and Mining / Sustainability

Other services: 2008 Society of Political Methodology Section Miller Prize Award Committee member / 2019 (Fall) Research Seminar Organizer at the Faculty of Business and Economics, University of Basel (with Ulf Schiller & Conny Wunsch)