

# Prof. Dr. Manuel Fischer – Curriculum Vitae

## 1. Personal Information

Name	Manuel Jonas Fischer	Date of birth	22.11.1982
Family	Single, one son	Citizenship	Swiss
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ORCID	0000-0003-3065-0891		

## 2. Education

2017	Habilitation in Political Science, Faculty of Social Sciences, University of Bern.
2011	PhD in Political Science, Department of Political Science and International Relations, University of Geneva.
2007	MA in Political Science, Department of Political Science and International Relations, University of Geneva
2006	BA (Licence) in Political Science, Department of Political Science and International Relations, University of Geneva

## 3. Employment history

2019 – ongoing	Adjunct professor (Titularprofessor), Institute of Political Science, University of Bern
2017 – 2019	Privatdozent, Institute of Political Science, University of Bern
2014 – ongoing	Group leader, Department of Environmental Social Sciences, Eawag (tenured since 2019)
2013 – 2017	Lecturer, Institute of Political Science, University of Bern
2012 – 2013	Post-Doctoral Research Fellow, Department of Environmental Social Sciences, Eawag
2011 – 2012	Post-Doctoral Research Fellow, Department of Political Science and International Relations, University of Geneva
2007 – 2010	Project collaborator / PhD student, Department of Political Science and International Relations, University of Geneva
Visiting fellow at University of North Carolina (2010), Stockholm Resilience Center (2013), UC Davis (2015)	

## 4. Institutional responsibilities

2020 – ongoing	Department representative in Eawag Strategy Committee, Eawag
2020	Representative of lecturers and similar, Search committee for 3 professorships, Wyss Academy for Nature, University of Bern
2019 – ongoing	Vice Department Head, Environmental Social Sciences, Eawag
2019 – 2020	Member of internal Task Force “Future Eawag”, Eawag
2018 – 2020	Eawag Symposium co-organizer, Eawag
2016 – ongoing	Swiss Rivers Group member, Eawag

## 5. Approved research projects

2020 – ongoing	Co-PI (Co-PI Janine Bolliger), BlueGreenNet - Social-ecological networks to enhance biodiversity in blue-green habitats, Eawag-WSL Blue-Green Biodiversity Program, 342k CHF
2020 – ongoing	Co-PI (Co-PI Paul Cisneros, Javier Gonzalez), SDG implementation at the local level: Assessing types of governance innovation, St. Gallen Leading House for Latin America, Seed money grant, 25k CHF
2020 – ongoing	Co-PI (Co-PI Felix Kienast), How has Swiss biodiversity policy been performing over the last 30 years?, Eawag-WSL Blue-Green Biodiversity Program, 113k CHF
2020 – ongoing	Co-PI (Co-PI Eva Lieberherr), Research at the North-South Interface: Effects of and Conditions for Collaborative Partnerships, ETH grant, 308k CHF
2019 – ongoing	PI (Co-PI Karin Ingold), Digital innovation for municipal projects – the PlaNet tool for participatory project management, Eawag, 292k CHF
2018 – ongoing	Co-PI (Co-PIs Jörg Rieckermann, Max Maurer), Analysis of municipal sanitation systems related to digitization and environmental protection, BAFU (Swiss Federal Office for the Environment), 240k CHF
2018 – 2019	Co-PI (Co-PIs Matthias Finger, Géraldine Pflieger, Martino Maggetti), Integration of the Swiss energy system into the European energy policy, SNSF & SIG (Services Industriels

	Geneva), 160k CHF
2018 – ongoing	PI, Ecosystem governance and socio-ecological networks in Switzerland: bringing politics back in, SNSF, 315k CHF
2018 – 2021	Co-PI (Co-PIs Peter Messerli, Adrienne Grêt-Regamey, Karin Ingold, Flurina Schneider, etc.), Managing telecoupled landscapes for the sustainable provision of ecosystem services and poverty alleviation, SNSF, 1'634k CHF
2016 – 2017	PI, Sanitation governance in Vietnam, Geneva Water Hub, 30k CHF
2015 – 2018	PI, Science-policy platforms: Cheap Talk or Conflict Resolution?, Eawag, 132k CHF
2014 – 2018	Co-PI (Co-PI Karin Ingold), Overlapping Subsystems: Identification and Integration of Fragmented Games in Swiss Water Politics, SNSF, 415k CHF

## 6. Supervision of students at graduate and postgraduate level

*Postdocs*: 4 ongoing, 2 achieved at Eawag.

*PhD students main supervisor (1 ongoing, 1 achieved)*: Martin Huber, University of Bern (2018-) • Mario Angst, University of Bern (2015-2019)

*PhD student co-supervision*: 7 ongoing, 1 achieved at University of Bern, ETH Zurich, UL Brussels

*Interns / research assistants (supervision and co-supervision)*: About 15 at Eawag

*Bachelor / Master students*: Supervision of 27 theses at Universities of Bern, Basel, Geneva, ETH Zurich

## 7. Teaching activities

*PhD*: Several shorter and longer classes (2013-) at CUSO PhD school

*Master*: Policy Analyse, University of Bern (2017-) • Governance, University of Bern (2015-16) • Energy & Climate Policy, University of Bern (2014-15) • Network Governance, University of Bern (2013)

*Bachelor*: Swiss and Comparative Politics, University of Lausanne (2018) • Governanz – Nachhaltige Entwicklung steuern?, University of Bern (2015-17) • Introduction to Methods in Political Science, University of Geneva (2011-12) • International Relations, University of Geneva (2011-12)

*Continuing Education*: Entscheidungsprozesse in der Schweizer Politik, Bern University of Applied Sciences (2016-) • Multi-Level Governance, Universität St. Gallen (2018-)

## 8. Membership in panels, boards, etc. and scientific reviewing activities

eco.ch, board member • Swiss Biodiversity Forum, member • Advisory Board member, research project on river revitalization of Swiss Federal Agency of the Environment • COST projects evaluation board member, SNSF (2018-2020) • Reviewer, SNSF • Special Issue Editor *Environmental Policy and Governance* • Regular reviewer for various disciplinary and interdisciplinary journals

## 9. Active memberships in scientific societies, fellowships in renowned academies

Convenor, Standing Group on Political Networks of the European Consortium of Political Research • Member, European Consortium of Political Research • Member, Swiss Political Science Association

## 10. Organization of conferences

Session co-chair, *Political Networks, ECPR General Conference, 2021* • Section chair, *Water Governance, ECPR General Conference, 2020* • Session co-chair, *Political Networks, Sunbelt Conference (Social Network Analysis), 2020* • Co-organizer, *International QCA Expert Workshop, 2016 - 2020, Zurich* • Co-organizer, *European Conference on Social Networks, Zurich, 2019* • Workshop chair, *Networked Environmental Governance, ECPR Joint Sessions, Mons, 2019* • Section chair, *Political Networks, ECPR General Conference, 2017, 2018, 2019* • Co-organizer, *Environmental Politics and Governance Conference, 2016, Gerzensee* • Section chair, *Water Politics, ECPR General Conference, 2013* • Co-organizer, *Applications of Social Network Analysis Conference, 2012 & 2013, Zurich*

## 11. Prizes, awards, fellowships

Theodore J. Lowi Policy Studies Journal Best Article Award by the American Political Science Association, 2018 • Young Scholar Award, Swiss Political Science Association, 2013 • Short visit fellowship, SNSF, 2013 • Young Scholar Fellowship, SNSF, 2010

## 12. Career breaks

Reduced working time (50%) in January and February 2017 after birth of son.

90% working time since January 2019.

## Prof. Dr. Manuel Fischer – Major scientific achievements

I present my most important scientific contributions along three thematic fields, that is, environmental and sustainability governance, and political networks. To illustrate my contribution to the respective fields, I quickly present the most important academic and practice-relevant publications, as well as other activities, such as teaching and conference or workshop organizations.

*References: see list of scientific outputs and full list of publications:*

*<https://www.eawag.ch/ueberuns/portraet/organisation/mitarbeitende/profile/manuel-fischer/show/>.*

### **Contributions to the field of environmental governance**

Several of my articles have contributed to the understanding of how different types of actors collaborate on different issues of environmental politics and related fields, given conflictive preferences, new types of institutions, and important uncertainties. I have also contributed to scholarly community building, through the co-editorship of a special issue on Integrated Water Management (Ingold et al. 2016), and the co-editorship of a book on the comparison of fracking coalition politics in seven countries (Weible et al. 2016) or a book on networked water governance (Fischer and Ingold 2020). The latest contributions deal with overlapping subsystems around water policy (Brandenberger et al. 2020; Metz et al. 2020), social-ecological networks (Bodin et al. 2019), policy instrument mixes (Pakizer et al. 2020), and forums in environmental politics (Fischer and Leifeld 2015; Fischer and Schläpfer 2017; Fischer et al. 2017; Fischer and Maag 2018; Maag and Fischer 2018; Angst et al. 2021).

Practice-related and outreach outputs in this field are a stakeholder report on environmental policy forums (Maag and Fischer 2016) and a related workshop at the eco.ch workshop, as well as several articles in the practice publication *Aqua & Gas* (Bryner et al. 2018, 2019, 2020, 2021; Fischer et al. 2017; Mathys et al. 2019). Furthermore, I co-organized the 2016 Environmental Policy and Governance conference in Switzerland, as well as several conference panels over the years, most recently a water section (9 panels) at the ECPR General Conference 2020 and on political networks at the ECPR General Conference 2021 (6 panels). Finally, we recently developed the practice tool PlaNet, allowing project managers to illustrate their stakeholder network in environmental and infrastructure-related projects ([planet.eawag.ch](http://planet.eawag.ch)), and we provide an online tool illustrating the development of Swiss water protection (<http://tiny.cc/g6zzlz>).

### **Contributions to the field of sustainability governance**

Sustainability governance and questions of the implementation of Sustainable Development Goals have been more recently in the focus of my work, and many of this is still under development (with several projects submitted). First, I have been applying theories of governance networks around issues like sanitation or land use in countries of the global South (Madagascar, Vietnam, India) (Andriamihaja et al. 2019, 2021; Fischer et al. 2019; Narayan et al. 2020; Lundsgaard-Hansen et al. 2021). Second, recent contributions on overlapping subsystems (Brandenberger et al. 2020; Metz et al. 2020), social-ecological networks (Bodin et al. 2019) and forums in environmental politics (Fischer and Leifeld 2015; Fischer and Schläpfer 2015; Fischer et al. 2017; Fischer and Maag 2018; Maag and Fischer 2018; Mewhirter et al. 2020; Pärli and Fischer 2020; Angst et al. 2021) are strongly related to the sustainable governance of resources, focusing on the interaction among several actors and issue sectors. Third, recent publications have specifically been focusing on SDGs, either on their implementation in Switzerland through forums (Pärli and Fischer 2020; Pärli et al. 2021) or on their interactions (Pham-Truffert et al. 2020).

In terms of practice-related and outreach activities, we have published an article on Swiss international water politics and the SDGs in the practice outlet *Aqua & Gas* (Mathys et al. 2019) as well as the achievement of biodiversity conservation through the SDGs (Obrecht et al. 2021). I am also in the scientific committee of the Forum Biodiversity, a forum that aims at improving science-policy exchange, as well as a board member of eco.ch, an association organizing events in the domain of sustainability.

### **Contributions to the field of political networks (incl. Social Network Analysis)**

An important part of my work deals with the analysis of political networks. Amongst others, I am contributing to the field through review chapters on network analysis in public administration (Varone et al. 2016), on institutions and policy networks in Europe (Fischer 2016), or collaborative governance and network analysis (Berardo et al. 2020).

As a co-organizer of the Applications of Social Network Analysis conference (2012, 2013) and the European Social Networks Conference (2019), a teacher of network analysis at workshops (doctoral schools, University of Bern, Eawag internal seminars, etc.), an convenor of the ECPR standing group on political networks, and an

organizer of various panels on network analysis at conferences, I further contribute to the building of a scholarly community in this field. In the ongoing R4D project on telecoupling and land use change in forest frontier contexts in the global South, I provide crucial expertise about governance networks and network analysis (Andriamihaja et al. 2019, 2021; Lundsgaard-Hansen 2021). In inter-disciplinary projects with colleagues at Eawag, I additionally provide a governance network perspective to research projects about sanitation in Vietnam and India (Fischer et al. 2019; Narayan et al. 2020).

#### **Contributions to the field of Qualitative Comparative Analysis**

Some of my articles apply the methods of Qualitative Comparative Analysis (QCA) to the study of politics. I compare coalitions (Fischer 2014, 2015), policy forums (Fischer and Schläpfer 2016), water recycling schemes (Kunz et al., 2015), cantonal policies (Ingold et al., in preparation), or cantons' innovation in digitalization (Manny et al., in preparation). Furthermore, I have published conceptual articles on the combination of network analysis with QCA (Fischer 2011) and on the use of QCA for the analysis of policy processes (Fischer and Maggetti 2016). Through my work as a teacher (block course at the Stockholm Resilience Centre, Eawag internal seminars) and conference co-organizer (QCA Expert workshop in Zurich 2016, 2017, ongoing), I strongly contribute to community building also in this field.

#### **Contributions to the field of Swiss politics**

Several articles and two books (Fischer 2012, Sciarini et al. 2015) represent important contributions to the current understanding of Swiss politics, the status of its consensus system, as well as ongoing and future challenges to its functioning. I have analyzed how actors in different fields of Swiss politics collaborate (Fischer and Sciarini 2013, 2016, Fischer et al., 2012), with a special focus on the important effects of Europeanization on the functioning of Swiss politics. I have further analyzed the relation between institutions, coalitions, and outputs (Fischer 2014, 2015), and shed light on important successful processes of federalist decision-making (Fischer et al., 2010, Cappelletti et al., 2014). The most recent work deals with parliamentary networks in the Swiss system (Fischer et al. 2019, 2021) and with the cooperation patterns among Swiss cantons (Fischer and Jager, 2020). I furthermore contribute to several chapters for handbooks on the Swiss government and public administration (Varone et al. 2018, Fischer and Sciarini, 2019). An example of a practice-related output is the contribution to "Volkswirtschaft", the magazine of the Swiss office for economic affairs (Fischer and Sciarini 2015), and a recent moderation of an exchange between Swiss MPs and scientists organized by SCNAT.