

# Curriculum Vitae – Achim Hagen

## Affiliations and Positions

- since 2022      Head of the Junior Research Group PECan, Humboldt-Universität zu Berlin.
- since 2020      Research Associate, Berlin School of Economics.
- since 2020      Fellow, Berlin Center for Consumer Policies (BCCP).
- 2018-2022      Post-Doc, Resource Economics Group, Humboldt-Universität zu Berlin.
- 2016 –2018      Research Assistant, Resource Economics Group, Humboldt-Universität zu Berlin.
- 2014 –2016      Research Assistant, Research Group Environment and Development Economics, Carl von Ossietzky University Oldenburg.

## Research Visits

- 09-11/2020      University of Oslo (hosted by Geir Asheim and Bård Harstad)
- 11/2018-01/2019      Wageningen University (hosted by Hans-Peter Weikard)
- 09-10/2017      American University of Central Asia
- 04-05/2017      London School of Economics and Political Science (hosted by Simon Dietz and Alessandro Tavoni)

## Education

- 10/2018      PhD, Humboldt-Universität zu Berlin (summa cum laude). Thesis title: Global Climate Policy Beyond Nation-State Actors: An Economic Analysis of Environmental Cooperation.
- 2014      Master of Arts Sustainability Economics and Management (with Distinction), Carl von Ossietzky University Oldenburg.
- 2013      Summer Term in the Master's Programme Economie de la Mondialisation, Université Nice Sophia-Antipolis.
- 2011      Bachelor of Science Environmental Sciences/ Economic Sciences (with Distinction), Leuphana University Lüneburg.

## Peer-Reviewed Journal Publications

von Dulong, A., A. Gard-Murray, A. Hagen, N. Jaakkola and S. Sen (2023) Stranded Assets: Research Gaps and Implications for Climate Policy. *Review of Environmental Economics and Policy*. Accepted.

von Dulong, A., A. Hagen, R. Mendeleevitch and K. Eisenack. (2023). Buy coal and gas? Addressing interfuel carbon leakage on deposit markets with market power. *Energy Economics* 117, 106434.

Hagen, A., and J. Schneider (2022). Small climate clubs should not use trade sanctions. *Energy Research & Social Science*, 92, 102777.

Hagen, A. and J. Schneider. (2021). Trade sanctions and the stability of climate coalitions. *Journal of Environmental Economics and Management* 109, 102504.

Eisenack, K., A. Hagen, R. Mendelevitch and A. Vogt. (2021). Politics, profits and climate policies: How much is at stake for fossil fuel producers? *Energy Research & Social Science* 77, 102092.

Hagen, A., J.-C. Altamirano-Cabrera and H.-P. Weikard. (2021). National political pressure groups and the stability of international environmental agreements, *International Environmental Agreements: Politics, Law and Economics* 21(3), 405-425.

Hagen, A., P. von Mouche and H. P. Weikard. (2020). The Two-Stage Game Approach to Coalition Formation: Where We Stand and Ways to Go. *Games* 11(1), 3.

Hagen, A. and K. Eisenack. (2019). Climate clubs vs. single coalitions: the ambition of international environmental agreements, *Climate Change Economics*, 10 (3), 1950011.

Roggero, M., L. Kähler and A. Hagen. (2019). Strategic cooperation for transnational adaptation: lessons from the economics of climate change mitigation. *International Environmental Agreements: Politics, Law and Economics*, 19 (4-5), 395–410.

### **Book Chapter Peer Reviewed**

Hagen, A., L. Kähler and K. Eisenack. (2017). Transnational Environmental Agreements with Heterogeneous Actors, In S. Çağatay (ed.) *Economics of International Environmental Agreements: a Critical Approach*, Routledge.

### **Selected Working Papers and Work in Progress**

Hagen, A., & Schopf, M. (2023) Political Influence on International Climate Agreements with Border Carbon Adjustment. *Available at SSRN 4326213*.

Hagen, A., & Roolfs, C. (2022). Unanimous Climate Coalitions with Two-Level Pricing. *Available at SSRN 3663860*.

Hagen, A. (2021). Contested compromise: Climate policy reforms as share contests. *EAERE 2021 Conference Paper*.

Montes de Oca, M., F. Holz and A. Hagen. (2021). The political economy of fossil-fuel subsidy removal: Theory and empirical evidence from presidential democracies. *EAERE 2021 Conference Paper*.

Von Dulong, A. A. Hagen and N. Jaakkola. (2021). Endogenous climate policy, systemic risk and asset stranding. *EAERE 2021 Conference Paper*.

The Political Economy of Stranded Assets. With G. Kollenbach

Cooperation, inequality and equity in the provision of public goods: experimental evidence. With L. Bartels and C. Gallier.

## Other Publications

- Eisenack, K., Hagen, A., Holz, F., Pittel, K., Vogt, A., & von Schickfus, M. T. (2022). Klimapolitik und Stranded Assets in der fossilen Wirtschaft. *Ökologisches Wirtschaften-Fachzeitschrift*, 37(2), 30-35.
- Lessmann, K. F. Schütze, ..., A. Hagen et al. (2022), Der Finanzsektor als Klimaschützer? Das Potenzial von Sustainable Finance, *Hintergrundpapier zum 11. Forum Klimaökonomie*.
- Hagen, A. and K. Pittel. (2021). Chancen und Risiken klimapolitischer Langfriststrategien am Beispiel des deutschen Klimaschutzgesetzes. *Wirtschaftsdienst* 101, 334–338.
- Pittel, K., F. Holz, ..., A. Hagen et al. (2021). Chances and Obstacles to Strengthening the Paris Agreement – The Case of Resource-Rich Countries. *Background Paper Forum Climate Economics* 9.
- Kriegler, E., R. Gulde, ..., A. Hagen et al. (2020). Phasing out fossil fuels - How to achieve a just transition? *Background paper for the 7th Klimaforum on 12th October 2020*, Potsdam: Potsdam-Institut für Klimafolgenforschung (u.a.), 43 p. <https://doi.org/10.2312/pik.2020.005>.
- Hagen, A., N. Jaakkola and A. Vogt. (2019). The Interplay Between Expectations and Climate Policy: Compensation for Stranded Assets. *IAEE Energy Forum*.
- Mendelevitch, R., P. Neetzow, A. Gotgelf, A. Hagen, J. Meya, M. Roggero and K. Eisenack. (2019). Beim Kohleausstieg sollten wir uns nicht auf eine unsichtbare Hand verlassen. *Positionspapier der Arbeitsgruppe Ressourcenökonomik*, Humboldt-Universität zu Berlin.

## Research Funding

- Junior research group PECan: The Political Economy of Climate Policy and Finance (~2,4mio €), BMBF, Social-Ecological Research program, head, October 2022 - September 2027.
- FoReSee: Fossil Resource Markets and Climate policy: Stranded Assets, expectations and the political economy of climate change (1.000.000€), BMBF: Economics of Climate Change II, with ifo-Institute and DIW (lead of HU Berlin sub-project; sub-project volume: 337.000€) October 2018 – September 2022.
- PostFossil: A just transition to a post fossil society (10.000€), Berlin University Alliance: Grand Challenge Initiative, with TU Berlin, FU Berlin and MCC Berlin (joint project lead, 6 PIs) 2019 - 2020.
- KEEP COOL east (178,000€), German Federal Environmental Foundation, January 2018 – December 2019 (Contributions and project lead January - October 2018).

## Scholarships and Awards

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| 2018-2019   | WASS-Grant for Research Visit at Wageningen University.  |
| 2018        | Conference Presentation Award for Young Researchers (Vortragsprämie) of the German Economic Association for presentation at the WCERE.                   |
| 2017        | Best Poster Award at 23 <sup>rd</sup> Annual Conference of the European Association of Environmental and Resource Economists.                            |
| 2015        | Award for Best Master's Degree at the Department of Business Administration, Economics, and Law, Carl von Ossietzky University Oldenburg (Joint Winner). |
| 2010 – 2014 | Scholarship of the Friedrich-Ebert-Stiftung.   |

2011 Award for Best Bachelors's Degree in Environmental Sciences / Economic Sciences, Leuphana University Lüneburg (Joint Winner).

### **Reviewer**

**Journals:** *Review of Economic Studies, Games and Economic Behavior, Nature Communications, Energy Research & Social Science, International Tax and Public Finance, Energy Economics, Resource and Energy Economics, Climate Policy, Energy Journal, Journal of Institutional Economics.*

**Funding Bodies, Assessments, Conferences:** *The National Science Centre (Poland), IPCC, EAERE.*

### **PhD Supervision**

Marc-Philipp Bohnet (Primary supervisor 2022-)

Philip Fliegel (Primary supervisor 2022-)

Anne Schönauer (Primary supervisor 2022-)

Maria Zioga (Mentor 2022-)

Angelika von Dulong (Mentor 2019-)

### **Supervision of Master's Theses (Humboldt-Universität zu Berlin)**

Lukas Berger: Climate policies in a two-dimensional political equilibrium (PhD Student at DIW Graduate Center).

Ece Caliskan: Drivers of Climate Policies: A Machine Learning Approach.

Lara Wähling: The impact of market power and fossil fuel emission intensities on the choice between demand-side and supply-side climate policies (PhD student at Kiel Institute for the World Economy).

Lea Fink: What drives firms to successfully cooperate on climate change? (THESys Award for best Master Thesis 2018).

Qian Che: Strategic Inter-Fossil Fuel Effects of Climate Policies. A Game-Theoretic Analysis.

Sem Oxenaar: Mapping the financial and organizational interdependencies between the Dutch state and the fossil fuel industry (Researcher at the Dutch Research Institute for Transitions).

Nicolle Möller: Trade Unions' Participation in International Networks for Energy Democracy and Climate Change Mitigation (PhD student at Syracuse University).

Francis Beeson: The Political Economy of the Environment and Resources.

Joseph McPherson: Transboundary spillovers of climate adaptation measures.

### **PhD Committees (Humboldt-Universität zu Berlin)**

Vera Porwollik (2022) – Member.

Zuhal Elnour (2021) – Member.

Davit Stepanyan (2021) – Member.

Anna Buschmann (2020) – Member.

Carla Dohmwirth (2020) – Member.

## Teaching

Institutional Economics and Political Economy (Winter Term 2020/21 with Eisenack et al.), Masters, Humboldt-Universität zu Berlin.

The resource curse: From research to policy (Winter Term 2019/20, with DIW), Masters, Humboldt-Universität zu Berlin.

Advanced Environmental and Resource Economics: Game Theory and Political Economy of the Environment (Winter Term 2018/19), Masters, Humboldt-Universität zu Berlin.

Theoretical, experimental and empirical methods to study Socio-Ecological-Technical Systems in Central Asia (with Kasymov et al.), American University of Central Asia.

Environmental and Resource Economics III (Winter Term 2016/17 with Eisenack et al.), Masters, Humboldt-Universität zu Berlin.

Research Project: Polycentric Climate Governance (Winter Term 2015/16), Masters, Carl von Ossietzky University Oldenburg.

Microeconomic Foundations of Environmental and Resource Economics (Winter Term 2014/15 and Winter Term 2015/16), Masters, Carl von Ossietzky University Oldenburg.

Tutorial Resource Economics (Summer Term 2014 and Summer Term 2015), Masters, Carl von Ossietzky University Oldenburg.

## Conference and Workshop Organization

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| 2023        | Financial Regulation - Going Green at Humboldt-Universität zu Berlin  |
| 2022        | Workshop on Stranded Assets in the Fossil Resource Sector at DIW Berlin   |
| 2021        | Thematic Session: <i>Climate Policy, Stranded Assets and Financial Stability</i> at the 26th Annual Conference of the European Association of Environmental and Resource Economists.  |
| 2021        | 26th Annual Conference of the European Association of Environmental and Resource Economists: Local Scientific Committee.  |
| 2020        | 25th Annual Conference of the European Association of Environmental and Resource Economists: Local Scientific Committee.  |
| 2019        | Workshop: Stranded assets – what, where, who? Humboldt-Universität zu Berlin.   |
| 2018        | Thematic Session: <i>Political Economy Levers of Environmental Cooperation</i> at the 6th World Congress of Environmental and Resource Economists, Gothenburg.  |
| 2013        | Organisation and Facilitation of the Dialogue Session “The Role of Subsidies in Sustainable Phosphorus Management” at the 1st Global TraPs World Conference Beijing and Member (Global Transdisciplinary Processes on Sustainable Phosphorus Management). |
| 2013        | Students as Innovators in University Teaching, World Student Environmental Summit, Leuphana University Lüneburg.  |
| 2012 – 2015 | Founding Member of the Nachdenkstatt (Transdisciplinary Platform for Sustainability), Recipient of the Student Environmental Award of the Deutsche Umweltstiftung, Organization of Annual Conferences, Workshops and Transdisciplinary Trainings.         |

## **Selected Presentations**

SURED Conference (2022, 2020, 2018), EAERE Conference (2021, 2020, 2017, 2015), WCERE (2018), AERE Summer Conference (2021), EEA Congress (2021), VfS Jahrestagung (2021), IIPF Annual Congress (2021), EPCS Meeting (2023, 2021), PET (2019), LAGV (2017), Coalition Theory Network Workshop (2016, 2015), WZB-Workshop “Instrumentalizing Economics for Political Goals, Instrumentalizing Politics for Economic Goals” (2021), ESOP Seminar University of Oslo (2020), Statistics Norway (2020), LSE (2017), University of Mannheim (2019), ZEW (2019), Wageningen University (2019), ifo Workshop Climate and Energy Policy (2019), Berlin Economics Workshop on Taxation -- Theory and Application DIW (2019), Workshop on Social Norms and Public Goods TU Freiberg (2019), Second Environmental Protection and Sustainability Forum Bath (2015), IMA Conference on Game Theory and its Applications Oxford (2014), Zhejiang University (2017, 2016), American University of Central Asia, Bishkek (2017).

## **Academic Service**

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| 2022        | Member of the BSE Admission Committee, Berlin School of Economics.   |
| 2015 – 2016 | Member of the Department Council and the Doctoral Committee of the Department of Business Administration, Economics, and Law, Carl von Ossietzky University Oldenburg. |
| 2015 – 2016 | Member of the Admissions Committee and the Examination Board, Master’s Programme Sustainability Economics and Management, Carl von Ossietzky University Oldenburg.     |