

Publications

1. Climate policy

Academic journals

Accounting and monitoring challenges for blue carbon enhancement in national climate policy targets and international carbon markets, in: *Carbon Management*, 2025, 16, 2585895, DOI:10.1080/17583004.2025.2585895
(with *Miranda Boettcher and Malte Winkler*)

Can digital monitoring, reporting, and verification (dMRV) unlock industrial CO₂ capture and removal in carbon markets?, in: *Environmental Research Letters*, 20, 2025, 121002
(with *Paulien Veen, Malte Winkler and Soyoung Oh*)

Effective and fair policy to mobilize industrial carbon dioxide removal, in: *Mitigation and Adaptation Strategies for Global Change*, 30, 2025, <https://doi.org/10.1007/s11027-025-10235-8>
(with *Soyoung Oh, Samuel Eberenz, Matthias Honegger, Olivia Wallis and Matthias Poralla*)

Exploring key dimensions of policy instruments for carbon dioxide removal, in: *Climate Policy*, 2025, <https://doi.org/10.1080/14693062.2025.2521118>
(with *Malte Winkler, Soyoung Oh, Antonia Holland-Cunz, Matthias Honegger, Matthias Poralla and Alicia Vollmer*)

Additionality revisited for Blue Carbon ecosystems: Ensuring real climate mitigation, in: *Global Change Biology*, 31, 2025, e70181
(with *Phillip Williamson, Catrina Gore, Sophia Johannessen, Erik Kristensen, Faming Wang and Jingfan Zhang*)

Review of economics and policies of Carbon Dioxide Removal, in: *Current Sustainable/Renewable Energy Reports*, 12:6, 2025, <https://doi.org/10.1007/s40518-025-00252-1>
(with *Soyoung Oh, Jenna Greene and Matthias Honegger*)

How does polycentric engagement relate to countries' NDC ambition and mitigation policy effort?, in: *Global Environmental Politics*, 24, 2024, p. 48-74
(with *Paula Castro and Marlene Kammerer*)

International carbon markets for carbon dioxide removal, in: *PLOS Climate*, 2, 2023, e0000118.
(with *Matthias Honegger, Matthias Poralla, Malte Winkler, Sandra Dalfume and Ankita Nayak*)

Policies for climate finance: Status and research needs, in: *PLOS Climate*, 1, 2022, e0000083
(with *Bjarne Steffen*)

Towards net zero: making baselines for international carbon markets dynamic by applying 'ambition coefficients', in: *Climate Policy*, 22, 2022, p. 1343-1355
(with *Katharina Michaelowa, Lukas Hermwille and Aglaja Espelage*)

International carbon markets in the run-up to COP27 and beyond, in: *Oxford Energy Forum*, 133, 2022, p. 41-44
(with *Michele Stua*)

The ABC of governance principles for Carbon Dioxide Removal policy, in: *Frontiers in Climate*, 2022, 4:884163
(with *Matthias Honegger, Christian Baatz, Samuel Eberenz, Antonia Holland-Cunz, Benno Pokorny, Matthias Poralla and Malte Winkler*)

Governance of fragmented compliance and voluntary carbon markets under the Paris Agreement, in: *Politics and Governance*, 10, 2022, <https://doi.org/10.17645/pag.v10i1.4759>
(with *Hanna-Mari Ahonen, Juliana Kessler, Aglaja Espelage and Stephan Hoch*)

Potential implications of solar radiation modification for achievement of the Sustainable Development Goals, in: *Mitigation and Adaptation Strategies for Global Change*, 26, 2021, <https://doi.org/10.1007/s11027-021-09958-1>
(with *Matthias Honegger and Jiahua Pan*)

Who is paying for Carbon Dioxide Removal? Designing policy instruments for mobilizing Negative Emissions Technologies, in: *Frontiers in Climate*, 2021, 3:672996. doi: 10.3389/fclim.2021.672996

(with *Matthias Honegger, Matthias Poralla and Hanna-Mari Ahonen*)

Potential implications of carbon dioxide removal for the sustainable development goals, in: *Climate Policy*, 21, 2021, p. 678-698

(with *Matthias Honegger and Joyashree Roy*)

Solar Radiation Modification - A “silver bullet” climate policy for populist and authoritarian regimes?, in: *Global Policy*, 12, Supplement 1, 2021, p. 119-128

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(with *Katharina Michaelowa, Igor Shishlov and Dario Brescia*)

Mobilising private climate finance for sustainable energy access and climate change mitigation in Sub-Saharan Africa, in: *Climate Policy*, 21, 2021, p. 47-62

(with *Stephan Hoch, Anne-Kathrin Weber, Ruth Kassaye and Tesfaye Hailu*)

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(with *Katharina Michaelowa, Bernhard Reinsberg and Igor Shishlov*)

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(with *Stephan Hoch, Aglaja Espelage and Anne-Kathrin Weber*)

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(with *Igor Shishlov and Dario Brescia*)

Additionality revisited: guarding the integrity of market mechanisms under the Paris Agreement, in: *Climate Policy*, 19, 2019, p. 1211–1224

(with *Lukas Hermwille, Wolfgang Obergassel and Sonja Butzengeiger*)

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(with *Benito Müller*)

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(with *Katharina Michaelowa*)

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(with Katharina Michaelowa)

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Equity and cost-effectiveness of adaptation finance - are they friends or foes?, in: *International Environmental Agreements*, 14, 2014, p. 101-120, revised version of CIS Working Paper 73/2012, Zurich

(with Martin Stadelmann, Åsa Persson and Izabela Ratajczak-Juszeko)

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(with Katharina Michaelowa)

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(with *Benito Müller*)
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(with *Sonja Butzengeiger*)
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