

References

Energy & Climate
May 2023



Oeko-Institut e.V.

Oeko-Institut is a leading European research and consultancy institute working for a sustainable future. Founded in 1977, the institute develops principles and strategies for realising the vision of sustainable development globally, nationally and locally.

Based on value-oriented research, the institute provides consultancy for decision-makers in politics, industry and civil society, showing them ways of tackling the environmental challenges we face in an age of rapid social change and globalisation. The experts draw upon a broad array of scientific and research methods and also employ a transdisciplinary approach in their work.

Our key clients are ministries and federal agencies, industrial enterprises and the European Union. In addition, the institute is commissioned by non-governmental organisations and environmental associations. We collaborate with research institutions and are active in national and international networks such as in Ecornet (Ecological Research Network).

Oeko-Institut employs more than 190 staff, including 130 researchers at three locations in Germany – Freiburg, Darmstadt and Berlin.

Energy & Climate

The principal task of the Energy & Climate Division is to mitigate the environmental and nuclear risks arising from energy use. Our researchers elaborate designs for an energy system that does without nuclear energy and is instead based on efficient energy use (energy saving, combined heat and power, etc.) and on the deployment of low-carbon and renewable energy sources.

Climate protection has become an issue of ever greater importance in recent years. Within this context the Energy & Climate researchers are conducting potential analyses, emission and material flow balances, drawing up emission inventories and forecasts, and developing energy and climate protection scenarios.

Our work further involves the assessment of energy and climate policy instruments such as flexible mechanisms under the Kyoto Protocol, electricity certification schemes and portfolio standards for combined heat and power. In addition, our researchers strive to foster the sustainable development of towns, cities and regions by providing support to programs like Local Agenda 21.

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1. Global climate protection policy

PtX Hub: Business Opportunity Analyzer (06/2022 - 03/2025)

Haller, M.; Heinemann, C.; Krieger, S.; Matthes, F.; Mendelevitch, R.; Ritter, D.; Wingenbach, M.; Winger, C.

Commissioned by: Agora Energiewende

Further development of the EU ETS in aviation III (09/2022 - 09/2024)

Graichen, V.; Cames, M.; Wissner, N.; in cooperation with CE Delft; Transport Analysis and Knowledge Systems (TAKS)

Commissioned by: German Environment Agency (UBA)

Climate protection measures in coastal regions and waters - Accounting, crediting and financing of blue carbon measures (11/2022 - 07/2024)

Reise, J.; Böttcher, H.; Fallasch, F.; Liste, V.; Schneider, L.; Siemons, A.; Urrutia, C.; Wissner, N.; in cooperation with Kiel Institute for the World Economy; Leibniz Centre for Tropical Marine Research (ZMT)

Commissioned by: German Environment Agency (UBA)

Service contract for support to the development of monitoring, reporting and verification modalities, procedures and guidelines under the UNFCCC, and to the participation by the EU in UNFCCC technical reviews (07/2020 - 07/2024)

Moosmann, L.; Emele, L.; Fallasch, F.; Förster, H.; Harthan, R.; Healy, S.; Jörß, W.; Liste, V.; Schneider, L.; Siemons, A.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA)

Commissioned by: European Commission, DG Climate Action

Consultancy and research on the design of international carbon markets (07/2022 - 07/2024)

Schneider, L.; Fallasch, F.; Siemons, A.; in cooperation with Carbon Limits AS

Commissioned by: Swedish Energy Agency

LAND use based MitigAtion for Resilient Climate pathways (07/2020 - 06/2024)

See also: <https://www.landmarc2020.eu/>

Böttcher, H.; Benndorf, A.; Hennenberg, K.; Liste, V.; Reise, J.; Winger, C.; in cooperation with Agroinsider Lda; Ambienta Ingenieria Y Servicios Agrarios Y Forestales; Barcelona Supercomputing Center - Centro Nacional De Supercomputacion; Bioclear Earth Bv; Biorecro Ab; Cambridge Econometrics Limited; Cobra Collective CIC; Eleaf Bv; ETH Zurich University (ETH Zürich); Innovations for Sustainability Transitions Lab Ltd; International Centre for Tropical Agriculture; Koninklijk Nederlands Meteorologisch Instituut (KNMI); PT Sustainability and Resilience ; Stockholm Environment Institute; University of Kassel; University of Sussex
Funded by: Executive Agency for Small and Medium-sized Enterprises (EASME)

Support of the German Federal Ministry of Environment in the implementation of the transparency framework, including reporting and review in the framework of the UN climate negotiations (07/2020 - 02/2024)

Moosmann, L.; Cook, V.; Fallasch, F.; Harthan, R.; Jörß, W.; Schneider, L.; Siemons, A.

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Decarbonisation and electrification potentials in German industry - data, actors and models

(03/2021 - 02/2024)

Heinemann, C.; Bauknecht, D.; Haller, M.; Koch, M.; Krieger, S.; Palacios, S.; Ritter, D.; Vogel, M.; Wingenbach, M.; Winger, C.

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Capacity Building Emissions Trading to support bilateral cooperation (01/2018 - 12/2023)

Cladius, J.; Anderson, G.; Cames, M.; Gores, S.; Graichen, J.; Graichen, V.; Healy, S.; Hermann, H.; Herold, A.; Jörß, W.; Loreck, C.; Matthes, F.; Siemons, A.; Wissner, N.; Zell-Ziegler, C.; in cooperation with adelphi consult GmbH; DIW Econ GmbH; Ecologic Institut gGmbH; FutureCamp Holding GmbH

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Support of the negotiations on international carbon markets under Article 6 of the Paris Agreement (05/2022 - 11/2023)

Schneider, L.

Commissioned by: Federal Public Service (FPS) Health, Food Chain Safety and Environment of Belgium

Transparent monitoring in practice: supporting post-Paris land use sector mitigation (11/2020 - 10/2023)

See also: www.transparentmonitoring.org

Böttcher, H.; Benndorf, A.; Urrutia, C.; Winger, C.; in cooperation with Food and Agriculture Organization of the United Nations (FAO); International Institute for Applied Systems Analysis (IIASA); National Wildlife Federation; Wageningen University & Research

Funded by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

GHG accounting methodologies, standards and certification for green hydrogen and PtX

(12/2022 - 10/2023)

Mendelevitch, R.; Heinemann, C.; Krieger, S.; Seebach, D.; in cooperation with adelphi consult GmbH; Ecologic Institut gGmbH

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Nature-based solutions for climate protection: market-based instruments to support climate-friendly soil management (06/2021 - 09/2023)

Siemons, A.; Böttcher, H.; Healy, S.; Herold, A.; Jung, H.; Klein, M.; Liste, V.; Reise, J.; Scheffler, M.; Schneider, L.; Urrutia, C.; Wissner, N.; Wolff, F.; in cooperation with Ecologic Institut gGmbH; Prof. Andreas Göttinger, Zentrum für internationale Entwicklungs- und Umweltforschung (ZEU) Justus-Liebig-Universität Gießen

Commissioned by: German Environment Agency (UBA)

Evaluation of International Emissions Reduction Projects (07/2022 - 07/2023)

Schneider, L.; Haase, I.; in cooperation with INFRAS AG; perspectives climate change (perspectives)

Commissioned by: German Environment Agency (UBA)

Consultancy Services for a Green/Sustainable Finance Study in GIZ Supported Countries

(11/2021 - 03/2023)

Fallasch, F.; Scherf, C.; in cooperation with Ms. Claudia Tober; Ms. Laura Würtenberger

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Methanol as a marine fuel (12/2022 - 02/2023)

Wissner, N.; Cames, M.; Healy, S.

Commissioned by: Nature And Biodiversity Conservation Union (NABU)

Further development of the Carbon Credit Quality Initiative (CCQI) (04/2022 - 02/2023)

See also: www.carboncreditquality.org

Schneider, L.; Fallasch, F.; Graichen, V.; Haase, I.; Jung, H.; Progscha, S.; Siemons, A.; Winger, C.; Wissner, N.; in cooperation with Greenhouse Gas Management Institute (GHGMI); INFRAS AG; Stockholm Environment Institute Boston (SEI-US)

Funded by: Environmental Defense Fund (EDF)

Ambitious GHG mitigation in the agricultural sector: Analysis of sustainable mitigation potential in selected countries (08/2020 - 02/2023)

Siemons, A.; Antony, F.; Böttcher, H.; Fallasch, F.; Liste, V.; Michalscheck, M.; Scheffler, M.; Schneider, C.; Wiegmann, K.; Wissner, N.; in cooperation with Mirja Michalscheck; NewClimate – Institute for Climate Policy and Global Sustainability gGmbH

Commissioned by: German Environment Agency (UBA)

Accounting for the linking of ETS under Article 6 of the Paris Agreement in the light of the Glasgow decisions (05/2022 - 11/2022)

Schneider, L.

Commissioned by: International Carbon Action Partnership (ICAP)

Study on the COP27 Climate Change Conference, Sharm El-Sheikh, Egypt (05/2022 - 11/2022)

Moosmann, L.; Cook, V.; Fallasch, F.; Healy, S.; Mendelevitch, R.; Schneider, L.; Siemons, A.; Wissner, N.; in cooperation with Heat GmbH

Commissioned by: European Parliament - ENVI Committee

Technical support to increase the overall transparency capacities in developing countries under the Initiative for Climate Action Transparency (03/2020 - 09/2022)

Fallasch, F.; Böttcher, H.; Harthan, R.; Schneider, L.; in cooperation with Greenhouse Gas Management Institute (GHGMI)

Commissioned by: United Nations Office for Project Services (UNOPS)

Recommendations for setting a new Emissions Cap for Mexico's Emissions Trading System

(07/2021 - 09/2022)

Graichen, J.; Healy, S.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Analyses on the global carbon market (05/2019 - 08/2022)

Schneider, L.; Cames, M.; Graichen, J.; Healy, S.; Jörß, W.; Ludig, S.; Siemons, A.; Wissner, N.; in cooperation with adelphi consult GmbH

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Framework agreement concerning analysis and method development for Article 6 of the Paris Agreement (05/2019 - 07/2022)

Schneider, L.; Cames, M.; Fallasch, F.; Healy, S.; Siemons, A.; in cooperation with Carbon Limits AS; Stockholm Environment Institute

Commissioned by: Swedish Energy Agency

Paris Convention: developing measures and activities for climate-friendly aviation and maritime transport (11/2018 - 05/2022)

Cames, M.; Graichen, J.; Liste, V.; Wissner, N.; in cooperation with CE Delft; German Aerospace Center (DLR); MARENA; Team Ewen

Commissioned by: German Environment Agency (UBA)

Impact on the Agenda 2030 (SDGs) of projects in the voluntary carbon market (08/2021 - 04/2022)

Schneider, L.; Cook, V.; Jung, H.; Wissner, N.; in cooperation with Stockholm Environment Institute

Commissioned by: Stiftung Allianz für Entwicklung und Klima

Comparing the potential for PtX integration in OSeMOSYS and PyPSA (01/2022 - 02/2022)

Haller, M.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Potentials for ‘result-based payments’ in the forest sector under the Paris Agreement (02/2020 - 01/2022)

Böttcher, H.; Fallasch, F.; Reise, J.; Schneider, L.; Siemons, A.; in cooperation with Center for International Forestry Research (CIFOR)

Commissioned by: German Environment Agency (UBA)

Factsheet: Current Situation and Ongoing Projects on Carbon Capture and Storage and Carbon Capture and Utilization in Germany and Japan (11/2021 - 01/2022)

Cames, M.; Chaudry, S.; Keimeyer, F.; Sutter, J.; von Vittorelli, L.; in cooperation with European Environmental Citizens Organisation for Standardisation (ECOS)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Flying high or staying grounded? The relation of aviation and climate protection (09/2019 - 12/2021)

Siemons, A.; Cames, M.; Cook, V.; Gores, S.; Graichen, J.; Graichen, V.; Liste, V.; Schneider, L.; Winger, C.

Commissioned by: Oeko-Institut e.V.

Supporting Fluorinated Greenhouse Gas Policies, Lot 1: International Fluorinated Greenhouse Gas/Ozone Depleting Substances Issues and Dissemination (04/2019 - 12/2021)

Jörß, W.; Liste, V.; Ludig, S.; Schneider, L.; in cooperation with Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Technical support for the UNFCCC negotiations on the rules, modalities and procedures for Articles 6.2 and 6.4 of the Paris Agreement (06/2020 - 11/2021)

Schneider, L.; Fallasch, F.; Progscha, S.

Commissioned by: Federal Public Service (FPS) Health, Food Chain Safety and Environment of Belgium

Study on the COP26 Climate Change Conference, Glasgow, United Kingdom (04/2021 - 11/2021)

Moosmann, L.; Cook, V.; Fallasch, F.; Schneider, L.; Siemons, A.; Wissner, N.; in cooperation with Heat GmbH

Commissioned by: European Parliament, Directorate General for Internal Policies

Accelerated global climate protection by 2030 (11/2019 - 11/2021)

Böttcher, H.; Cames, M.; Liste, V.; Reise, J.; Scheffler, M.; Siemons, A.; Wiegmann, K.; in cooperation with Climate Analytics; Ecologic Institut gGmbH

Commissioned by: German Environment Agency (UBA)

Environmental policy transfer: Identification and systematisation of its success factors (08/2018 - 09/2021)

Wolff, F.; Bauknecht, D.; Heyen, D.; Prakash, S.; in cooperation with Environmental Policy Research Centre - Freie Universität Berlin (FFU)

Commissioned by: German Environment Agency (UBA)

Development of a methodology for assessing the quality of carbon offset credits (09/2019 - 08/2021)

Schneider, L.; Fallasch, F.; Förster, H.; Gores, S.; Graichen, J.; Healy, S.; Progscha, S.; in cooperation with Felipe de León

Commissioned by: World Wide Fund For Nature International (WWF United States)

Systematic analysis of the design of new and updated NDCs under the Paris Agreement (01/2021 - 06/2021)

Moosmann, L.; Fallasch, F.; Liste, V.; Siemons, A.; in cooperation with NewClimate – Institute for Climate Policy and Global Sustainability gGmbH

Commissioned by: German Environment Agency (UBA)

Update of a guidance for the accounting of NDCs with absolute or relative mitigation targets related to a baseline. Review of UNFCCC reporting requirements and identification of best practice examples in the waste sector. (11/2020 - 06/2021)

Harthan, R.; Cook, V.; Moosmann, L.; Scheffler, M.; Schneider, L.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Expert Working Group on Benchmarking for the Chinese ETS (06/2020 - 05/2021)

Healy, S.; Graichen, V.; Hermann, H.

Commissioned by: ICF Consulting

Influence of market structures and market regulation on the carbon market in China, Mexico, South Korea, California and the EU (10/2018 - 05/2021)

Healy, S.; Cladius, J.; Graichen, J.; Matthes, F.; in cooperation with adelphi research gGmbH; University of Zürich (UZH); Zurich University of Applied Sciences

Commissioned by: German Environment Agency (UBA)

Ammonia as marine fuel (02/2021 - 05/2021)

Cames, M.; Sutter, J.; Wissner, N.

Commissioned by: Nature And Biodiversity Conservation Union (NABU)

Land use as a sector for market mechanisms under Article 6 of the Paris Agreement (08/2019 - 03/2021)

Böttcher, H.; Healy, S.; Liste, V.; Reise, J.; Schneider, L.; Siemons, A.; Urrutia, C.; Zell-Ziegler, C.; in cooperation with Stockholm Environment Institute

Commissioned by: German Environment Agency (UBA)

Consultancy and support for the implementation of the German "Alliance for development and climate" (11/2019 - 03/2021)

Schneider, L.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Options for regulating aviation (11/2020 - 02/2021)

Schneider, L.; Cook, V.; Gores, S.; Graichen, J.; Keimeyer, F.; Siemons, A.; Wissner, N.

Commissioned by: Stiftung Klimaneutralität

Preparation of a Technical Paper to support the Group of Least Developed Countries in the Article 6 Negotiations: Implications of Options on Transition, Share of Proceeds and Overall Mitigation in Global Emissions and their Intersection (09/2020 - 01/2021)

Schneider, L.; in cooperation with Climate Analytics; NewClimate – Institute for Climate Policy and Global Sustainability gGmbH

Commissioned by: LDC Group Chair

Analysis of the usability of emission allowances from emissions trading systems in the voluntary offset market (06/2019 - 12/2020)

Cames, M.; Healy, S.; Schneider, L.; in cooperation with adelphi research gGmbH

Commissioned by: German Environment Agency (UBA)

Designing Governance Structures and Transactional Documentation for Mitigation Outcome Transactions under Article 6 of the Paris Agreement (06/2020 - 11/2020)

See also: <https://ggi.org/report/summary-report-designing-governance-structures-and-transactional-documentation-for-mitigation-outcome-transactions-under-article-6-of-the-paris-agreement/>

Schneider, L.; in cooperation with Carbon Limits AS

Commissioned by: Global Green Growth Institute

Scientific support of BMU related to transparency in the Paris Agreement (Article 13 reporting and review) (07/2016 - 08/2020)

Moosmann, L.; Anderson, G.; Harthan, R.; Healy, S.; Herold, A.; Herrmann, L.; Jörß, W.; Schneider, L.; Siemons, A.

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

GIZ terminology – I would delete it (04/2014 - 06/2020)

Matthes, F.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Gold Standard Voluntary Market (01/2020 - 04/2020)

Schneider, L.

Commissioned by: The Gold Standard Foundation

Analysis, aggregation and assessment of Member States' information on climate finance received under the Monitoring Mechanism Regulation (MMR) (07/2018 - 03/2020)

Siemons, A.; Anderson, G.; Cook, V.; Fallasch, F.; Moosmann, L.; Schneider, L.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

Greenhouse gas removals versus e-fuels in aviation (12/2019 - 03/2020)

Cames, M.; Chaudry, S.; Cook, V.; Göckeler, K.; Kasten, P.; Kurth, S.; Sutter, J.

Commissioned by: Transport & Environment

Review of the GIZ Accounting manual and tool (11/2019 - 03/2020)

Harthan, R.; Schneider, L.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Briefing note "Key issues at stake at the 75th Session of the IMO Marine Environment Protection Committee (MEP C75), London, UK, 30 March - 3 April 2020" (02/2020 - 03/2020)

Healy, S.; Cames, M.; Noka, V.

Commissioned by: European Union - European Parliament

Service contract to Support the Implementation of Article 6.2 of the Paris Agreement (03/2018 - 01/2020)

Cames, M.; Healy, S.; in cooperation with Andrew Howard; Kelley Kizzier; Lambert Schneider; Stephanie La Hoz Theuer

Commissioned by: European Commission, DG Climate Action

Conceptualization of a common transparency framework under the Paris Agreement. Analysis of the negotiation process and assessment of the impact on providing the information. (12/2017 - 01/2020)

Jörß, W.; Böttcher, H.; Cook, V.; Förster, H.; Gores, S.; Harthan, R.; Herold, A.; Moosmann, L.; Siemons, A.

Commissioned by: German Environment Agency (UBA)

International climate negotiations: Issues at stake in view of the COP25 UN Climate Change Conference in Madrid (07/2019 - 12/2019)

Moosmann, L.; Cames, M.; Schneider, L.; Siemons, A.

Commissioned by: European Union - European Parliament

Analysis and assessment of the design of an offsetting system for international aviation (10/2017 - 11/2019)

Cames, M.; Graichen, J.; Healy, S.; Keimeyer, F.; Schneider, L.; Schütte, S.; in cooperation with Lambert Schneider; NewClimate – Institute for Climate Policy and Global Sustainability gGmbH; Stockholm Environment Institute Boston (SEI-US)

Commissioned by: German Environment Agency (UBA)

The Global Stocktake under the Paris Agreement: Design, methodology and process (including a testing of methodology for selected states) (01/2018 - 11/2019)

Siemons, A.; Förster, H.; Healy, S.; Herold, A.; Moosmann, L.; Nissen, C.; in cooperation with Potsdam Institute for Climate Impact Research (PIK); Wuppertal Institut für Klima, Umwelt, Energie gGmbH

Commissioned by: German Environment Agency (UBA)

Assessment of applications by carbon offsetting programs under the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) (08/2019 - 10/2019)

Schneider, L.; Siemons, A.; in cooperation with Carbon Limits AS; Stockholm Environment Institute Boston (SEI-US)

Commissioned by: ClimateWorks Foundation

Implementation of an Emission Trading System in the Republic of Korea (12/2016 - 07/2019)

Matthes, F.; Emele, L.; Förster, H.; Graichen, V.; Moosmann, L.

Commissioned by: ICF Consulting

Impact of slow steaming for different types of ships carrying bulk cargo (03/2019 - 06/2019)

Healy, S.; Graichen, J.

Commissioned by: Seas at Risk (SAR)

Development of a sectoral market based approach in developing countries (10/2015 - 02/2019)

Graichen, J.; Cames, M.; Harthan, R.; in cooperation with NewClimate – Institute for Climate Policy and Global Sustainability gGmbH

Commissioned by: German Environment Agency (UBA)

Developing Recommendations for Allocating Emissions Rights for a Mexican Emissions Trading System (07/2018 - 11/2018)

Healy, S.; Cludius, J.; Graichen, J.

Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Analysis of current developments on the global carbon market (08/2015 - 10/2018)

Healy, S.; Cames, M.; Harthan, R.; in cooperation with NewClimate – Institute for Climate Policy and Global Sustainability gGmbH

Commissioned by: German Environment Agency (UBA)

Study on methods and considerations for the determination of greenhouse gas emissions reduction objectives for international shipping (10/2017 - 10/2018)

Cames, M.; Graichen, J.; Kasten, P.; in cooperation with CE Delft

Commissioned by: European Commission, DG Climate Action

Briefing for the ENVI delegation on China climate policies with emphasis on its carbon trading markets (08/2018 - 10/2018)

Cames, M.; Healy, S.; Matthes, F.; in cooperation with adelphi consult GmbH

Commissioned by: European Union - European Parliament

Briefing for the ENVI delegation to the Global Climate Action Summit (GCAS), San Francisco, USA, 12-14 September 2018 (06/2018 - 08/2018)

Healy, S.; Cames, M.

Commissioned by: European Union - European Parliament

Accounting for internationally linked ETS under Article 6.2 of the Paris Agreement (04/2018 - 07/2018)

Cames, M.; Cludius, J.

*Commissioned by: International Carbon Action Partnership (ICAP)***Study on mapping the development of the international carbon market (09/2017 - 06/2018)**

Cames, M.; Graichen, V.; Harthan, R.; Healy, S.; in cooperation with Carbon Limits AS; INFRAS AG; Lambert Schneider; Stockholm Environment Institute Boston (SEI-US)

*Commissioned by: European Commission, DG Climate Action***Recommendations for Setting an Emissions Cap for Mexico's Emissions Trading System**

(09/2017 - 06/2018)

Healy, S.; Cludius, J.; Graichen, J.; Graichen, V.; Greiner, B.; Matthes, F.

*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)***Review and Update of Viet Nam's Nationally Determined Contribution – energy sector (10/2017 - 06/2018)**

Harthan, R.

*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)***Sektoral decomposition and sensitivity analysis of GHG emissions in the context of the Colombian NDC (05/2018 - 06/2018)**

Graichen, J.; Förster, H.

*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)***Greenhouse Gas (GHG) Inventory Training for Mali (02/2018 - 04/2018)**

Harthan, R.

*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)***Advice on and support of bilateral energy partnerships with developing and emerging countries (03/2018 - 04/2018)**

Bürger, V.

*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)***Development of concepts for the implementation of new or the transformation of existing market mechanisms in a new UNFCCC climate agreement (08/2016 - 03/2018)**

Graichen, J.; Cames, M.; Healy, S.; in cooperation with INFRAS AG; Lambert Schneider; Stephanie La Hoz Theuer; Stockholm Environment Institute Boston (SEI-US)

Commissioned by: German Environment Agency (UBA)

Technical support for the development of Accounting Systems for greenhouse gas emission targets in non-Annex 1 countries in Colombia, Costa Rica and Mexico (03/2015 - 01/2018)

See also: <https://www.transparency-partnership.net/documents-tools/ndc-accounting-rules>

Graichen, J.; Böttcher, H.; Förster, H.; Graichen, V.; Greiner, B.; Harthan, R.; Herold, A.; Schumacher, K.; Siemons, A.; Zell-Ziegler, C.; in cooperation with Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Funded by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

2. European energy and climate protection policy

Co-designing Holistic Forest-based Policy Pathways for Climate Change Mitigation (09/2022 - 02/2027)

Böttcher, H.; Benndorf, A.; Reise, J.; von Vittorelli, L.; Wolff, F.; in cooperation with European Forest Institute (EFI); Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici; Lunds Universitet; Luonnonvarakeskus, Natural Resources Institute Finland; Netherlands Environmental Assessment Agency (PBL); Pensoft Publishers; Prospx Research Ltd; Technische Universität München; Transilvania University of Brașov; VITO - Flemish Institute for Technological Research NV; Wageningen University & Research

Funded by: EU-Horizon Europe

European Topic Centre on Climate Change Mitigation 2022-2026 (01/2022 - 12/2026)

Gores, S.; Benndorf, A.; Böttcher, H.; Cludius, J.; Emele, L.; Förster, H.; Graichen, J.; Graichen, V.; Harthan, R.; Healy, S.; Hermann, H.; Jörß, W.; Liste, V.; Ludig, S.; Moosmann, L.; Nissen, C.; Reise, J.; Siemons, A.; Winger, C.; Wissner, N.; Zell-Ziegler, C.; in cooperation with Aether – Oxford Centre for Innovation (Aether); Czech Hydrometeorological Institute (CHMI); EMISIA; Environment Agency Austria; EXERGIA Climate Change Consultants; Gauss International; Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); klarFakt; National Institute for Public Health and the Environment (RIVM); Norwegian Institute for Air Research (NILU); Öko-Recherche; Transparency for Life (T4L); Transport and Mobility Leuven; VITO - Flemish Institute for Technological Research NV

Commissioned by: European Environment Agency (EEA)

Support to the assessment of the Member States' biennial energy and climate progress reports, the preparation of the Commission's progress assessment report under the Governance Regulation and under the Climate Law and the Commission's assessment of the draft and final updated national energy and climate plans - CLIMA/2021/OP/0006 (09/2022 - 09/2025)

Förster, H.; Gores, S.; Graichen, J.; Koch, M.; Moosmann, L.; Nissen, C.; Siemons, A.; Vogel, M.; in cooperation with ELLE Estonian, Latvian & Lithuanian Environment; Environment Agency Austria; Ricardo Energy & Environment (Ricardo-AEA); VITO - Flemish Institute for Technological Research NV

Commissioned by: European Commission, DG Climate Action

Greenhouse gas neutrality in the EU and in Germany: The conception of a target architecture taking sinks into account (01/2023 - 07/2025)

Jörß, W.; Böttcher, H.; Gores, S.; Graichen, J.; Liste, V.; Siemons, A.; in cooperation with Prognos AG

Commissioned by: German Environment Agency (UBA)

Evaluation and further development of the EU ETS in the context of the amendment of the ETS Directive and the European Green Deal with an economic focus (02/2022 - 03/2025)

Cladius, J.; Graichen, J.; Healy, S.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Institute for Economic Research (DIW)

Commissioned by: German Environment Agency (UBA)

Accompanying research on the establishment and implementation of a European emissions trading system approach in maritime transport (09/2022 - 02/2025)

Cames, M.; Healy, S.; Wissner, N.; in cooperation with CE Delft; E3-Modelling

Commissioned by: German Environment Agency (UBA)

Pathways to an EU in 2050 with net-zero GHG-emissions (12/2021 - 12/2024)

Emele, L.; Böttcher, H.; Braungardt, S.; Hennenberg, K.; Hesse, T.; Ludig, S.; Scheffler, M.; Wiegmann, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREES)

Commissioned by: German Environment Agency (UBA)

Technical Support on International Fluorinated Greenhouse Gas/Ozone Depleting Substances Issues and Dissemination (12/2021 - 12/2024)

Jörß, W.; Ludig, S.; in cooperation with Öko-Recherche

Commissioned by: European Commission, DG Climate Action

AI for administrative automation and detection of criminal activities in emissions trading (11/2022 - 07/2024)

Graichen, J.; Cladius, J.; Winger, C.; in cooperation with Prof Manuel Guenther; Zurich University of Applied Sciences

Commissioned by: German Environment Agency (UBA)

Analysis, aggregation and assessment of Member States' information on climate finance (03/2022 - 06/2024)

Siemons, A.; Cook, V.; Fallasch, F.; Moosmann, L.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

Interactions between the existing and reformed EU Emissions Trading Scheme and energy and CO2 taxes (06/2021 - 03/2024)

Schumacher, K.; Braungardt, S.; Bürger, V.; Cludius, J.; Graichen, J.; Graichen, V.; Healy, S.; Ludig, S.; Wissner, N.; in cooperation with adelphi research gGmbH; Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS)

Commissioned by: German Environment Agency (UBA)

Preparation of the EU eighth National Communication and fifth Biennial Report under the UNFCCC (02/2022 - 02/2024)

Moosmann, L.; Cook, V.; Fallasch, F.; Förster, H.; Gores, S.; Jörß, W.; Liste, V.; Nissen, C.; Siemons, A.; in cooperation with Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

Extension to Support contract for an Evaluation and Impact Assessment for amending Regulation (EU) No 517/2014 on fluorinated greenhouse gases (04/2022 - 12/2023)

Jörß, W.; Liste, V.; Ludig, S.; in cooperation with Öko-Recherche; Ricardo Energy & Environment (Ricardo-AEA)

Commissioned by: European Commission, DG Climate Action

Support of fuel-related legislative projects (Fuel EU Maritime, ReFuel EU Aviation and FQD) at European level and conception of implementation in national law (11/2021 - 11/2023)

Cames, M.; Graichen, J.; Heinemann, C.; Krieger, S.; Wissner, N.; in cooperation with E3-Modelling

Commissioned by: German Environment Agency (UBA)

Facilitating socially just carbon pricing policies in Central and Eastern Europe (09/2021 - 11/2023)

Cludius, J.; Hünecke, K.; Nissen, C.; Noka, V.; Schumacher, K.; in cooperation with adelphi research gGmbH; Center for the Study of Democracy (CSD); Fundacja Warszawski Instytut Studiów Ekonomicznych i Europejskich (WiseEuropa)

Commissioned by: European Climate Initiative

Scientific support for the design of an EU Carbon Removal Certification Framework (11/2022 - 11/2023)

Böttcher, H.; Cames, M.; Fallasch, F.; Gores, S.; Hennenberg, K.; Jörß, W.; Liste, V.; Reise, J.; Scheffler, M.; Schneider, L.; Siemons, A.; Wiegmann, K.; in cooperation with Ecologic Institut gGmbH

Commissioned by: German Environment Agency (UBA)

Scientific analyses for implementation and further development of the EU climate protection framework until 2030 (06/2020 - 06/2023)

Gores, S.; Böttcher, H.; Cludius, J.; Emele, L.; Fallasch, F.; Förster, H.; Graichen, J.; Hennenberg, K.; Hermann, H.; Hünecke, K.; Jörß, W.; Liste, V.; Loreck, C.; Moosmann, L.; Palacios, S.; Reise, J.; Scheffler, M.; Siemons, A.; Wiegmann, K.

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Technical support for monitoring the HFC Price and Phase-down evolution as a result of the EU policies (05/2021 - 05/2023)

Jörß, W.; Liste, V.; Ludig, S.; in cooperation with Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Technical Support in implementing the F-Gas and ozone layer protection EU Policies (05/2021 - 05/2023)

Jörß, W.; Liste, V.; Ludig, S.; in cooperation with Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Öko-Recherche; Ricardo Energy & Environment (Ricardo-AEA); verico SCE (Societas Cooperativa Europaea)

Commissioned by: European Commission, DG Climate Action

Support to the assessment of the Long-Term Strategies of EU Member States (11/2020 - 05/2023)

Gores, S.; Emele, L.; Förster, H.; Graichen, J.; in cooperation with Ekonerg; Institute for European Environmental Policy; Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV; VITO - Flemish Institute for Technological Research NV

Commissioned by: European Commission, DG Climate Action

Technical support for RES policy development and implementation – Simplification of permission and administrative procedures for RES installations (RES SIMPLIFY) (09/2020 - 04/2023)

Seebach, D.; Bauknecht, D.; Braungardt, S.; Vogel, M.; in cooperation with Eclareon; SolarPower Europe; WindEurope

Commissioned by: European Commission, DG Energy

Support to the EEA LULUCF emission inventory improvement activity (07/2022 - 04/2023)

Böttcher, H.; Benndorf, A.; Reise, J.; Urrutia, C.; in cooperation with VITO - Flemish Institute for Technological Research NV

Commissioned by: European Environment Agency (EEA)

Renewable Heating and Cooling Pathways, Measures and Milestones for the implementation of the recast Renewable Energy Directive and full decarbonisation by 2050 (11/2020 - 04/2023)

Braungardt, S.; Bei der Wieden, M.; Bürger, V.; Ganal, I.; Hesse, T.; Hünecke, K.; Köhler, B.; Nissen, C.; Schumacher, K.; in cooperation with e-think Energy Research - Zentrum für Energiewirtschaft und Umwelt; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Halmstad University ; Vienna University of Technology

Commissioned by: European Commission, DG Energy

Study on shifting public spending from compensatory mechanisms on domestic energy use to short-term energy efficiency and renewable energy measures (12/2022 - 04/2023)

Hesse, T.; Braungardt, S.; Noka, V.; Schumacher, K.; Unger, N.; in cooperation with e-think Energy Research - Zentrum für Energiewirtschaft und Umwelt

Commissioned by: European Climate Foundation (ECF)

Effectiveness of EU emissions trading: Identification and analysis of the main drivers of emissions development in selected sectors and countries (11/2019 - 03/2023)

Mendelevitch, R.; Emele, L.; Graichen, J.; Graichen, V.; Hermann, H.; Lettow, F.; Loreck, C.; Matthes, F.; Nissen, C.; in cooperation with INFRAS AG

Commissioned by: German Environment Agency (UBA)

The role of financial operators in the ETS market and the incidence of their activities in determining the allowances price (07/2022 - 01/2023)

Cludius, J.; Healy, S.; Matthes, F.; Noka, V.; in cooperation with Trinomics BV

Commissioned by: European Parliament, Committee on Industry, Research and Energy

Study on energy prices and costs; evaluating impacts on households and industry's costs

(06/2022 - 01/2023)

Schumacher, K.; Hünecke, K.; Nissen, C.; Noka, V.

Commissioned by: European Commission, DG for Mobility and Transport

Achieving of targets and ambition raising with EU climate protection legislation in medium (2030) as well as in the long term (2050+) perspective (08/2019 - 12/2022)

Gores, S.; Böttcher, H.; Cames, M.; Emele, L.; Fallasch, F.; Graichen, J.; Jörß, W.; Liste, V.; Moosmann, L.; Nissen, C.; Reise, J.; Scheffler, M.; Siemons, A.; Zell-Ziegler, C.; in cooperation with Ecologic Institut gGmbH

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Recognition of GOs from Greece and Slovakia (07/2020 - 10/2022)

See also: <https://www.umweltbundesamt.de/themen/klima-energie/erneuerbare-energien/herkunftsachweisregister-hknr>

Seebach, D.; in cooperation with Becker Büttner Held PartGmbH
Commissioned by: German Environment Agency (UBA)

Study on Carbon Contracts for Difference for RFNBOs in shipping and aviation (05/2022 - 09/2022)

Cames, M.; Graichen, J.; Mendelevitch, R.; Wissner, N.
Commissioned by: Transport & Environment

Development of an European Solar Mandate (07/2022 - 09/2022)

Ritter, D.
Commissioned by: Climate Action Network Europe (CAN-Europe)

The Social Climate Fund - Opportunities and Challenges for the buildings sector (12/2021 - 07/2022)

Braungardt, S.; Hünecke, K.; Noka, V.; Ritter, D.; Schumacher, K.
Commissioned by: European Climate Foundation (ECF)

ESD Review 2021-2022 (05/2021 - 07/2022)

Harthan, R.; in cooperation with Environment Agency Austria
Commissioned by: European Commission, DG Climate Action

Analysis of the ban of fossil heating technologies on NECPs and national energy dependency

(05/2022 - 07/2022)
Braungardt, S.; Bürger, V.
Commissioned by: European Environmental Bureau (EEB)

Assistance for setting out the structure, format, technical details and process for the information that is reported by Member States pursuant to the Regulation on the Governance of the Energy Union and Climate Action (07/2021 - 07/2022)

Förster, H.; Moosmann, L.; Noka, V.; in cooperation with Environment Agency Austria; Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV; VITO - Flemish Institute for Technological Research NV
Commissioned by: European Commission, DG Climate Action

Support contract for an Evaluation and Impact Assessment for amending Regulation (EU) No 517/2014 on fluorinated greenhouse gases (04/2020 - 04/2022)

Jörß, W.; Hünecke, K.; Liste, V.; Ludig, S.; Schumacher, K.; Wissner, N.; in cooperation with Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Reforming the EU ETS - AirClim Update (01/2022 - 04/2022)

Matthes, F.; Cook, V.; Graichen, J.; Wissner, N.

Commissioned by: Air Pollution & Climate Secretariat

Analysis, aggregation and assessment of Member States' information on climate finance (07/2020 - 03/2022)

Siemons, A.; Cook, V.; Fallasch, F.; Moosmann, L.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

Technical assistance for policy development and implementation on buildings policy and renovation.

Support for the ex-ante impact assessment and revision of Directive 2010/31/EU on energy performance of buildings (02/2021 - 02/2022)

Schumacher, K.; Braungardt, S.; Cludius, J.; Hünecke, K.; Liste, V.; Winger, C.; in cooperation with Guidehouse Energy Germany GmbH; Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

From Silver Bullet to Silver Buckshot (01/2021 - 01/2022)

Graichen, J.; Böttcher, H.; Cludius, J.; Gores, S.; Liste, V.; Loreck, C.; Schumacher, K.

Commissioned by: Agora Energiewende

Climate effectiveness of post-2020 CAP based on the example of Germany (10/2021 - 01/2022)

Wiegmann, K.; Scheffler, M.; in cooperation with University of Rostock

Commissioned by: German Environment Agency (UBA)

European Topic Centre on Climate change Mitigation and Energy (2019 – 2021) (01/2019 - 12/2021)

Gores, S.; Anderson, G.; Benndorf, A.; Böttcher, H.; Cludius, J.; Emele, L.; Förster, H.; Graichen, J.; Graichen, V.; Harthan, R.; Healy, S.; Hermann, H.; Jörß, W.; Liste, V.; Ludig, S.; Moosmann, L.; Nissen, C.; Reise, J.; Scheffler, M.; Siemons, A.; Winger, C.; Wissner, N.; in cooperation with Aether – Oxford Centre for Innovation (Aether); Czech Hydrometeorological Institute (CHMI); EMISIA; Environment Agency Austria; Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); National Institute for Public Health and the Environment (RIVM); Netherlands Environmental Assessment Agency (PBL); Norwegian Institute for Air Research (NILU); Öko-Recherche; VITO - Flemish Institute for Technological Research NV

Commissioned by: European Environment Agency (EEA)

Eurostat - Review on climate change related statistics (03/2021 - 12/2021)

Ludig, S.; Böttcher, H.; Emele, L.; Gores, S.; Jörß, W.; Liste, V.; Scheffler, M.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

Verification of the suitability of the method proposed to produce early CO2 emission estimates (2019 – 2021) (01/2019 - 11/2021)

Scheffler, M.; Anderson, G.; Cook, V.; Emele, L.; Nissen, C.

Commissioned by: European Commission, Directorate General ESTAT

Policy Support for Heating and Cooling Decarbonisation (11/2019 - 10/2021)

Braungardt, S.; Bürger, V.; Ganal, I.; Köhler, B.; Palacios, S.; Winger, C.; in cooperation with Trinomics BV

Commissioned by: European Commission, DG Energy

Participation in the ESD Review 2020 (06/2020 - 09/2021)

Harthan, R.; Jörß, W.; in cooperation with Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

Structural development of the EU ETS after 2020 (10/2017 - 08/2021)

Graichen, V.; Cludius, J.; Emele, L.; Graichen, J.; Haller, M.; Hermann, H.; Keimeyer, F.; Loreck, C.; Mendelevitch, R.; Ritter, D.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Institute for Economic Research (DIW)

Commissioned by: German Environment Agency (UBA)

Renewable Space Heating under the Revised Renewable Energy Directive (12/2019 - 08/2021)

Braungardt, S.; Bürger, V.; in cooperation with e-think Energy Research - Zentrum für Energiewirtschaft und Umwelt; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Viegand Maagøe A/S; Vienna University of Technology

Commissioned by: European Commission, DG Energy

Overview of District Heating and Cooling Markets and Regulatory Frameworks under the Revised Renewable Energy Directive (12/2019 - 07/2021)

Bürger, V.; Braungardt, S.; Köhler, B.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREEs); Tilia GmbH; Vienna University of Technology
Commissioned by: European Commission, DG Energy

Workshop on the 2030 Climate target plan (04/2021 - 06/2021)

Graichen, J.; Böttcher, H.; Cook, V.; Gores, S.; Wissner, N.; in cooperation with Bellassen, Valentin; Cambridge Econometrics Limited; CE Delft; Ecologic Institut gGmbH; Forestry.com; Scheelhaase, Dr. Janina

Commissioned by: European Parliament, Directorate General for Internal Policies

Study on Support for an impact assessment on measures to address the risk of carbon leakage in the light of any increase in climate ambition. (09/2020 - 06/2021)

Healy, S.; Graichen, V.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

Analysis of competitiveness and carbon leakage risk of European industries (10/2017 - 05/2021)

Schumacher, K.; Cludius, J.; Graichen, V.; Healy, S.; in cooperation with CE Delft; Ecologic Institut gGmbH

Commissioned by: German Environment Agency (UBA)

Support to the Energy Union Governance process, including for the assessment of the Integrated National Energy and Climate Plans (03/2018 - 05/2021)

Förster, H.; Emele, L.; Fallasch, F.; Gores, S.; Graichen, J.; Koch, M.; Liste, V.; Moosmann, L.; Noka, V.; Winger, C.; in cooperation with COWI Denmark Holding A/S; Environment Agency Austria; Ricardo Energy & Environment (Ricardo-AEA); VITO - Flemish Institute for Technological Research NV

Commissioned by: European Commission, DG Energy

Supporting Fluorinated Greenhouse Gas Policies, Lot 3: HFC Price and Phase-down monitoring (05/2019 - 05/2021)

Jörß, W.; Anderson, G.; Liste, V.; Ludig, S.; in cooperation with Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Supporting Fluorinated Greenhouse Gas Policies, Lot 2: Domestic Support (05/2019 - 05/2021)
Jörß, W.; Anderson, G.; Liste, V.; Ludig, S.; Rausch, L.; in cooperation with COWI Denmark Holding A/S; Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Öko-Recherche; verico SCE (Societas Cooperativa Europaea)
Commissioned by: European Commission, DG Climate Action

Recognition of GOs from Portugal (09/2020 - 04/2021)
See also: <https://www.umweltbundesamt.de/themen/klima-energie/erneuerbare-energien/herkunftsachweisregister-hknr>
Seebach, D.; in cooperation with Becker Büttner Held PartGmbH
Commissioned by: German Environment Agency (UBA)

Preparation of a handbook on relevant data concepts in the EU ETS (01/2019 - 04/2021)
Graichen, V.; Emele, L.; Gores, S.; Harthan, R.; Jörß, W.; Ludig, S.; Nissen, C.
Commissioned by: German Environment Agency (UBA)

Assessment of the functioning of the MSR (09/2020 - 04/2021)
Graichen, J.; Cladius, J.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA)
Commissioned by: European Commission, DG Climate Action

Study to assess legislative options to boost production and uptake of Sustainable Aviation Fuels in the EU (07/2020 - 03/2021)
Kasten, P.; Cames, M.; Göckeler, K.; Graichen, J.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA)
Commissioned by: European Commission, DG for Mobility and Transport

Exploratory Analysis of an EU Land Sink Target (12/2020 - 03/2021)
Böttcher, H.; Reise, J.
Commissioned by: Greenpeace

Capacity building to facilitate implementation of the Effort Sharing legislation, with focus on ex-post evaluation and policy lessons learned (10/2018 - 03/2021)
See also: <https://www.oeko.de/forschung-beratung/projekte/pr-details/capacity-building-to-facilitate-implementation-of-the-effort-sharing-legislation-with-focus-on-ex-p>
Förster, H.; Gores, S.; Graichen, J.; Jörß, W.; Nissen, C.; Noka, V.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); VITO - Flemish Institute for Technological Research NV; Wageningen University & Research
Commissioned by: European Commission, DG Climate Action

EU climate and energy efficiency targets 2030 - Strengthening their synergies (11/2020 - 02/2021)
Graichen, J.; in cooperation with STS Consulting
Commissioned by: European Climate Foundation (ECF)

Technical Assistance for the Implementation of the New Sustainability Criteria for Agriculture and Forest Biomass under the Recast of the Renewable Energy Directive (08/2019 - 12/2020)
Böttcher, H.; Hennenberg, K.; Reise, J.
Commissioned by: European Commission, DG Energy

Concept Development "Hard Additionality" (07/2020 - 12/2020)
Seebach, D.; Palacios, S.; Timpe, C.
Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Technical assistance for assessing options to establish an EU-wide green label with a view to promote the use of renewable energy coming from new installations (12/2019 - 12/2020)
Seebach, D.; Bürger, V.; Dieroff, J.; Heinemann, C.; Hennenberg, K.; Hermann, A.; Timpe, C.; Wingenbach, M.; in cooperation with Ludwig Bölkow Systemtechnik; Trinomics BV
Commissioned by: European Commission, DG Energy

Assessment of potential carbon leakage in the third and fourth trading phase of EU Emissions Trading System (01/2020 - 12/2020)
Healy, S.; Böttcher, H.; Graichen, V.; Hermann, H.; Nissen, C.; Schumacher, K.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA)
Commissioned by: European Commission, DG Climate Action

Climate protection and Implementation of the EU Energy Union – Further development of EU climate policies (09/2017 - 10/2020)
Bürger, V.; Bauknecht, D.; Böttcher, H.; Braungardt, S.; Heinemann, C.; Hennenberg, K.; Koch, M.; Ritter, D.; Seebach, D.; Vogel, M.; in cooperation with adelphi consult GmbH; Foundation for Environmental Energy Law
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Expert support of the WWF in the political process to increase the climate contribution of the European Union (EU-NDC) (06/2020 - 09/2020)
Matthes, F.
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Reform of VAT rates on animal and plant products in eight EU countries (07/2020 - 08/2020)

Scheffler, M.; Wiegmann, K.

Commissioned by: Greenpeace Germany

Support for the assessment of the Long-Term Strategies of EU Member States (11/2019 - 08/2020)

See also: <https://www.oeko.de/forschung-beratung/projekte/pr-details/support-to-the-assessment-of-the-long-term-strategies-of-eu-member-states>

Förster, H.; Emele, L.; Fallasch, F.; Gores, S.; Siemons, A.; Winger, C.; Zell-Ziegler, C.; in cooperation with Institute for European Environmental Policy; Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV; VITO - Flemish Institute for Technological Research NV

Commissioned by: European Commission, DG Climate Action

Services relating to an implementing and delegated act under the Governance Regulation (12/2019 - 07/2020)

Moosmann, L.; Böttcher, H.; Jörß, W.

Commissioned by: European Commission, DG Climate Action

The climate impact of forest and land management in the EU and the role of current reporting and accounting rules (06/2020 - 07/2020)

Böttcher, H.; Reise, J.

Commissioned by: European Climate Foundation (ECF)

Viable, sustainable economic stimuli for coping with the economic consequences of the corona crisis (especially for SMEs) (04/2020 - 06/2020)

Schumacher, K.; Blanck, R.; Braungardt, S.; Bürger, V.; Cames, M.; Fallasch, F.; Förster, H.; Gensch, C.; Gores, S.; Gröger, J.; Hacker, F.; Hermann, H.; Herold, A.; Hünecke, K.; Kampffmeyer, N.; Kasten, P.; Mendelevitch, R.; Motschall, M.; Noka, V.; Quack, D.; Schemmel, J.; Siemons, A.; Urrutia, C.; Wolff, F.; Zerwes, A.; Zimmer, W.

Commissioned by: German Federal Environmental Foundation (DBU)

Scientific analyzes on the implementation and further development of the EU climate protection framework by 2030 (11/2017 - 05/2020)

Gores, S.; Böttcher, H.; Emele, L.; Fallasch, F.; Förster, H.; Graichen, J.; Jörß, W.; Liste, V.; Moosmann, L.; Nissen, C.; Rausch, L.; Schneider, L.; Siemons, A.; Zell-Ziegler, C.

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

RGI PAC Modelling 2030 (04/2020 - 05/2020)

Ritter, D.; Koch, M.

Commissioned by: Renewables Grid Initiative e.V.

GSDR Support – preparation and support of the German contribution to the Global Sustainable Development Report (GSDR) (01/2018 - 05/2020)

Wolff, F.; Kampffmeyer, N.; Loreck, C.; Prakash, S.; Scherf, C.; in cooperation with adelphi consult GmbH

Commissioned by: German Environment Agency (UBA)

Empirical analysis of company strategies and success factors in EU emissions trading on the basis of the EUTL transaction data set for 2005-13 (07/2018 - 04/2020)

See also: https://www.isi.fraunhofer.de/content/dam/isi/dokumente/sustainability-innovation/2020/WP-07-2020_Strategic%20use%20of%20emissions%20trading%20by%20firms_JOS.pdf

Cludius, J.; Nissen, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: Stiftung Energieforschung Baden-Württemberg

Persistent degradation products of halogenated blowing agents and refrigerants in the environment: type, environmental concentrations and fate with particular regard of new halogenated substitutes with low global warming potential (11/2017 - 04/2020)

Ludig, S.; Blepp, M.; Emele, L.; Jörß, W.; in cooperation with Öko-Recherche

Commissioned by: German Environment Agency (UBA)

Low-Carbon Europe: Development of ambitious climate protection scenarios, taking into account security of energy supply, sustainability and competitiveness (11/2016 - 03/2020)

Matthes, F.; Blanck, R.; Böttcher, H.; Greiner, B.; Hesse, T.; Ludig, S.; Repenning, J.; Scheffler, M.; Wiegmann, K.; Zimmer, W.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Raising ambition in the Effort Sharing Sectors and the EU ETS in the context of the European Green Deal (01/2020 - 03/2020)

Graichen, J.; Fallasch, F.; Gores, S.; Matthes, F.

Commissioned by: Agora Energiewende

EU Ambition 2030 (09/2019 - 02/2020)

Matthes, F.

Commissioned by: European Climate Foundation (ECF)

Constitutional and European legal issues surrounding the further development of the EU Emissions Trading Directive (02/2018 - 02/2020)

Keimeyer, F.; Cames, M.; Gailhofer, P.; Graichen, V.; Hermann, H.; Jörß, W.; Schütte, S.; in cooperation with Ecologic Institut gGmbH; Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

Further development of EU ETS in the aviation sector in the light of the implementation of a global market-based measure by the ICAO (09/2017 - 01/2020)

Graichen, V.; Cames, M.; Gores, S.; Graichen, J.; Healy, S.; in cooperation with CE Delft; Transport Analysis and Knowledge Systems (TAKS)

Commissioned by: German Environment Agency (UBA)

Contract to support the preparation of implementing and delegated acts in the climate field under the Governance Regulation (12/2018 - 12/2019)

Moosmann, L.; Anderson, G.; Böttcher, H.; Jörß, W.; Siemons, A.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV; VITO - Flemish Institute for Technological Research NV; Wageningen Environmental Research (Alterra)

Commissioned by: European Commission, DG Climate Action

Climate Recon 2050: Dialogues on Pathways and Policy – Intra-EU Exchange on Long-term Climate Strategies (11/2017 - 10/2019)

See also: <http://www.climatedialogue.eu>

Emele, L.; in cooperation with Association négaWatt (négaWatt); DTU Management Engineering, Technical University of Denmark (DTU); Ecologic Institut gGmbH; ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development; Energiaklub Climate Policy Institute and Applied Communications Association (Energiaklub); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Fundacja Warszawski Instytut Studiów Ekonomicznych i Europejskich (WiseEuropa); Institute for Sustainable Development and International Relations
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

In-depth analysis on EU Environment and Climate Change Policies - State of play, current and future challenges (08/2019 - 09/2019)

Cames, M.; Baron, Y.; Cook, V.; Gores, S.; Graichen, J.; Herold, A.; Kasten, P.; Mehlhart, G.; Nissen, C.; Siemons, A.; Urrutia, C.; Wolff, F.

Commissioned by: European Union - European Parliament

Nature protection and advanced biofuels (12/2016 - 09/2019)

See also: <https://www.natur-und-erneuerbare.de/projektdatenbank/projekte/fortschrittliche-biokraftstoffe/>

Böttcher, H.; Hennenberg, K.; Hermann, A.; Hünecke, K.; Schütte, S.; Wolff, F.; in cooperation with Bosch & Partner GmbH; Eberswalde University for Sustainable Development (HNE); Institute for Energy and Environmental Research (ifeu)

Funded by: Federal Agency for Nature Conservation (BfN)

Effort Sharing Decision (ESD) Review 2019 (05/2019 - 06/2019)

Harthan, R.; Anderson, G.; in cooperation with Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

Integration of Power Transmission Grids - Prospects and Challenges at National and European Levels in advancing the energy transition (12/2018 - 06/2019)

Bauknecht, D.; in cooperation with Centre for Technology, Innovation and Culture - University of Oslo (TIK)

Commissioned by: Centre for Technology, Innovation and Culture - University of Oslo (TIK)

Service Contract for technical work to support the implementation of Regulation (EU) No 517/2014, including preparations for a withdrawal of the United Kingdom from the EU (02/2018 - 04/2019)

Jörß, W.; Anderson, G.; Ludig, S.; in cooperation with Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Support to the Commission for the determination of the Carbon Leakage List post-2020 under the EU Emission Trading System (10/2017 - 03/2019)

Graichen, V.; Cladius, J.; Healy, S.; Rausch, L.; Schumacher, K.; in cooperation with Trinomics BV

Commissioned by: European Commission, DG Climate Action

Service contract for supporting F-gas policies (12/2015 - 03/2019)

Jörß, W.; Anderson, G.; Ludig, S.; Schumacher, K.; in cooperation with Heat GmbH; Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); National Institute for Public Health and the Environment (RIVM); Öko-Recherche; Prof. Michael Kauffeld (MIKADO); Royal Institute of Technology (KTH)

Commissioned by: European Commission, DG Climate Action

Requirements and possibilities for an EU-wide standardisation or harmonisation of guarantees of origin and disclosure systems (10/2016 - 12/2018)

Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with Becker Büttner Held PartGmbH

Commissioned by: German Environment Agency (UBA)

European Topic Centre on Air Pollution and Climate Change Mitigation (2014 – 2018) (01/2014 - 12/2018)

Herold, A.; Anderson, G.; Böttcher, H.; Cludius, J.; Cook, V.; Emele, L.; Förster, H.; Gores, S.; Graichen, J.; Graichen, V.; Greiner, B.; Harthan, R.; Healy, S.; Hermann, H.; Jörß, W.; Ludig, S.; Moosmann, L.; Nissen, C.; Rausch, L.; Scheffler, M.; Schumacher, K.; Siemons, A.; Winger, C.; Zell-Ziegler, C.; in cooperation with Aether – Oxford Centre for Innovation (Aether); Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC); Czech Hydrometeorological Institute (CHMI); EMISIA; Environment Agency Austria; Institut National de l'Environnement industriel et des risques; National Institute for Public Health and the Environment (RIVM); Netherlands Environmental Assessment Agency (PBL); Norwegian Institute for Air Research (NILU); Öko-Recherche; Specialised consultancy optimising the technical knowledge of environmental assessment to provide real solutions (4Sfera Innova); Universitat Autònoma de Barcelona (UAB); VITO - Flemish Institute for Technological Research NV

Funded by: European Environment Agency (EEA)

Support the public consultation for the preparation of the Strategy for Long Term EU Greenhouse gas emissions reduction (06/2018 - 12/2018)

Anderson, G.; Moosmann, L.; in cooperation with Trinomics BV

Commissioned by: European Commission, DG Environment

Verification of the suitability of the method proposed to produce early CO2 emission estimates (2016 – 2018) (01/2016 - 11/2018)

Scheffler, M.; Anderson, G.; Cook, V.; Emele, L.; Herold, A.

Commissioned by: European Commission, Directorate General ESTAT

Maintenance and development of internet database with renewable energies support schemes and related information (RES Legal Europe maintenance) (08/2015 - 10/2018)

Bauknecht, D.; Heinemann, C.; Vogel, M.; in cooperation with Eclareon

Commissioned by: European Commission, DG Energy

Annual review of Member States' greenhouse gas inventories under the Effort Sharing Decision 2018 (02/2018 - 10/2018)

Anderson, G.; in cooperation with Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

Contribution of Renewable Cooling to the Renewable Energy Target of the EU (update) (01/2018 - 06/2018)

Braungardt, S.; Bürger, V.

Commissioned by: Netherlands Enterprise Agency

Evaluation and further development of the EU emissions trading scheme from an economic perspective for the period after 2020 (EU-ETS-7) (04/2015 - 05/2018)

Graichen, V.; Förster, H.; Graichen, J.; Healy, S.; Repenning, J.; Schumacher, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Institute for Economic Research (DIW)

Commissioned by: German Environment Agency (UBA)

Briefing on the Key Issues at Stake at the 72nd Session of the IMO Marine Environment Protection Committee (MEPC 72) (01/2018 - 04/2018)

Cames, M.

Commissioned by: European Union - European Parliament

Analysis and aggregation of Member States' information on climate finance (07/2017 - 03/2018)

Herold, A.; Siemons, A.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV

Commissioned by: European Commission, DG Climate Action

Characterisation of the European energy system (10/2017 - 03/2018)

Förster, H.; in cooperation with Trinomics BV

Commissioned by: European Environment Agency (EEA)

Extended scientific analysis for the development and implementation of the EU Effort Sharing

(09/2015 - 02/2018)

Gores, S.; Böttcher, H.; Emele, L.; Förster, H.; Graichen, J.; Hermann, H.; Herold, A.; Rausch, L.

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Analytical study: Energy and MFF (09/2017 - 02/2018)

Siemons, A.; Förster, H.; in cooperation with Trinomics BV

Commissioned by: European Union - European Parliament

3. German energy and climate protection policy

3.1 German energy and climate protection policy – cross sector

Accompanying scientific research on a climate-neutral federal administration (11/2022 - 11/2025)

Antony, F.; Braungardt, S.; Cames, M.; Graulich, K.; in cooperation with FutureCamp Holding GmbH; Prof. Dr. Stefan Klinski; Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Scientific support to climate policy and climate action programme (11/2022 - 10/2025)

Repenning, J.; Bei der Wieden, M.; Braungardt, S.; Bürger, V.; Cludius, J.; Emele, L.; Gores, S.; Hennenberg, K.; Hermann, H.; Hünecke, K.; Jörß, W.; Keimeyer, F.; Ludig, S.; Matthes, F.; Mendelevitch, R.; Moosmann, L.; Scheffler, M.; Schumacher, K.; Timpe, C.; von Vittorelli, L.; Wiegmann, K.; Wissner, N.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Energy and Environmental Research (ifeu); Institute for Resource Efficiency and Energy Strategies GmbH (IREES); Institute of Economic Structures Research (GWS); Prof. Dr. Stefan Klinski; Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Greenhouse gas neutrality in the EU and in Germany: The conception of a target architecture taking sinks into account (01/2023 - 07/2025)

Jörß, W.; Böttcher, H.; Gores, S.; Graichen, J.; Liste, V.; Siemons, A.; in cooperation with Prognos AG

Commissioned by: German Environment Agency (UBA)

The role of energy sufficiency in the energy transition and society - Sub-project: Impact chains of sufficiency (05/2020 - 04/2025)

Zell-Ziegler, C.; in cooperation with Europa-Universität Flensburg; Wuppertal Institut für Klima, Umwelt, Energie gGmbH

Funded by: German Federal Ministry of Education and Research (BMBF)

Potentials of afforestation and forest restoration from a nature conservation perspective (10/2022 - 03/2025)

Reise, J.; Benndorf, A.; Hennenberg, K.; Pfeiffer, M.

Funded by: Federal Agency for Nature Conservation (BfN)

Consolidating Systemic Monitoring and Modelling of the Bioeconomy (01/2022 - 12/2024)

Hennenberg, K.; Benndorf, A.; Böttcher, H.; Liste, V.; Pfeiffer, M.; Reise, J.; Scheffler, M.; Schneider, C.; Wiegmann, K.; in cooperation with Deutsches Biomasseforschungszentrum (DBFZ); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Centre for Integrative Biodiversity Research (iDiv); Global Risk Assessment Services GmbH; Helmholtz-Centre for Environmental Research GmbH; Institute for Energy and Environmental Research (ifeu); Institute of Economic Structures Research (GWS); University of Kassel

Funded by: German Federal Ministry of Education and Research (BMBF)

Scientific support project for the Climate Neutral Power System Platform (12/2022 - 12/2024)

Matthes, F.; Bauknecht, D.; Heinemann, C.; Hermann, H.; Koch, M.; Krieger, S.; Mendelevitch, R.; Vogel, M.; in cooperation with Guidehouse Energy Germany GmbH

Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

GHG Projections: Further development of the methodologies and implementation of the European Governance Regulation and the Federal Climate Change Act in the 2023 Projection Report ("Policy Scenarios XI") (07/2022 - 11/2024)

Harthan, R.; Bei der Wieden, M.; Böttcher, H.; Braungardt, S.; Bürger, V.; Cludius, J.; Emele, L.; Förster, H.; Hennenberg, K.; Jansen, L.; Jörß, W.; Koch, M.; Loreck, C.; Ludig, S.; Matthes, F.; Mendelevitch, R.; Moosmann, L.; Nissen, C.; Pfeiffer, M.; Reise, J.; Repenning, J.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Winger, C.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREES)

Commissioned by: German Environment Agency (UBA)

Socio-technical and behavioural aspects of energy efficiency improvement in the heating sector (07/2021 - 10/2024)

Köhler, B.; Bürger, V.; Fischer, C.; Hünecke, K.; Mbah, M.; Rüdenauer, I.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)

Commissioned by: German Environment Agency (UBA)

Expert Commission "Monitoring der Energiewende" (07/2022 - 06/2024)

Hermann, H.; Matthes, F.

Commissioned by: Federal Network Agency for Electricity, Gas, Telecommunications, Post and Railway

Climate protection scenarios 2050: Modelling, analysis and comparison of target scenarios (04/2021 - 06/2024)

Repenning, J.; Bei der Wieden, M.; Blanck, R.; Böttcher, H.; Braungardt, S.; Bürger, V.; Cludius, J.; Emele, L.; Flachsbarth, F.; Ganal, I.; Görz, W.; Haller, M.; Harthan, R.; Hennenberg, K.; Jansen, L.; Jörß, W.; Kasten, P.; Kreye, K.; Liste, V.; Loreck, C.; Ludig, S.; Matthes, F.; Moosmann, L.; Noka, V.; Pfeiffer, M.; Reise, J.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

SIROP - Towards Scenario Interoperability

Subproject: Conceptualising knowledge transfer. Research on scenario comparisons.

Further development of the OEP and the Open Energy Ontology. (04/2021 - 03/2024)

Förster, H.; Emele, L.; Nissen, C.; Siemons, A.; Winger, C.; in cooperation with Fraunhofer-Institut für Energiewirtschaft und Energiesystemtechnik (Fraunhofer IEE); Otto von Guericke University Magdeburg; Reiner Lemoine Institute

Funded by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Transformation to a completely greenhouse gas neutral Germany (12/2020 - 03/2024)

Harthan, R.; Bei der Wieden, M.; Benndorf, A.; Blanck, R.; Borkowski, K.; Böttcher, H.; Braungardt, S.; Bulach, W.; Bürger, V.; Emele, L.; Ganal, I.; Görz, W.; Hacker, F.; Hennenberg, K.; Hermann, C.; Jakob, M.; Jansen, L.; Jörß, W.; Kreye, K.; Loreck, C.; Ludig, S.; Matthes, F.; Moosmann, L.; Reise, J.; Repenning, J.; Scheffler, M.; Sutter, J.; Wiegmann, K.; Wissner, N.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Fraunhofer-Institut für Energiewirtschaft und Energiesystemtechnik (Fraunhofer IEE); Natural Forest Academy; Prof. Dr. Ewald Endres; Prof. Dr. Klaus Günther-Dieng

Commissioned by: German Environment Agency (UBA)

Energy and Climate Protection Projections 2035/2050 - Projections on National and European Energy and Climate Targets and on Effects of Individual Measures and Programs of Measures

(11/2020 - 12/2023)

Repenning, J.; Bei der Wieden, M.; Böttcher, H.; Braungardt, S.; Bürger, V.; Emele, L.; Förster, H.; Gores, S.; Graichen, J.; Harthan, R.; Hennenberg, K.; Hermann, H.; Liste, V.; Ludig, S.; Nissen, C.; Reise, J.; Scheffler, M.; Wiegmann, K.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Advising on the development of a concept for target and measure controlling, taking into account the options for achieving Munich's self-imposed target of climate neutrality by 2035 as outlined in the expert report "Climate Neutrality Munich 2035" (02/2023 - 12/2023)

Timpe, C.

Commissioned by: City of Munich

The contribution of economic instruments to achieving climate protection goals: The role of government-determined energy price components in the instrument mix (10/2021 - 11/2023)

Hünecke, K.; Bei der Wieden, M.; Blanck, R.; Braungardt, S.; Cludius, J.; Ganal, I.; Graichen, V.; Hermann, H.; Kasten, P.; Keimeyer, F.; Kreye, K.; Liste, V.; Mendelevitch, R.; Schumacher, K.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS); Institute of Economic Structures Research (GWS); Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

Evaluation of the federal funding program "Promotion of energy efficiency in the Private Sector" (11/2020 - 10/2023)

Schumacher, K.; Liste, V.; Ludig, S.; Nissen, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Energy Economics and the Rational Use of Energy of Stuttgart University (IER); Prognos AG

Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)

Social aspects of environmental policy - Part 1: Analysis and implications for environmental policy making (09/2020 - 08/2023)

Hanke, G.; Braungardt, S.; Cludius, J.; Förster, H.; Hünecke, K.; Kenkmann, T.; Liste, V.; Noka, V.; Schumacher, K.; Wolff, F.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS); Institute for Social-Ecological Research Ltd. (ISOE); Tübingen University; Zebralog GmbH & Co. KG

Commissioned by: German Environment Agency (UBA)

GHG projections: "Policy scenarios for climate protection X" (07/2020 - 08/2023)

Repenning, J.; Böttcher, H.; Braungardt, S.; Bürger, V.; Cook, V.; Emele, L.; Haller, M.; Harthan, R.; Hennenberg, K.; Hermann, H.; Jörß, W.; Loreck, C.; Ludig, S.; Matthes, F.; Mendelsohn, R.; Moosmann, L.; Nissen, C.; Palacios, S.; Rausch, L.; Reise, J.; Ritter, D.; Scheffler, M.; Wiegmann, K.; Wissner, N.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREE)

Commissioned by: German Environment Agency (UBA)

Evaluation, monitoring and adjustment as well as further development of the German National Climate Initiative (NKI) (06/2019 - 07/2023)

Repenning, J.; Braungardt, S.; Jörß, W.; Keimeyer, F.; Kenkmann, T.; Liste, V.; Ludig, S.; Nissen, C.; Noka, V.; Rausch, L.; Reise, J.; Schumacher, K.; Winger, C.; Wissner, N.; Zell-Ziegler, C.; in cooperation with Dr. Kerstin Tews; Ecologic Institut gGmbH; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Ice-TeX-Ingenieurbüro, Sponholz-Rühlw; Institute for Energy and Environmental Research (ifeu); Prof. Dr. Stefan Klinski; Prognos AG

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

ENSURE: New Energy Grid Structures for Energy Transition (Phase II) (02/2020 - 07/2023)

See also: <https://www.kopernikus-projekte.de/projekte/ensure>

Timpe, C.; Bauknecht, D.; Bei der Wieden, M.; Flachsbarth, F.; Ganal, I.; Gores, S.; Haller, M.; Heinemann, C.; Hennenberg, K.; Koch, M.; Palacios, S.; Ritter, D.; Seebach, D.; Vogel, M.; in cooperation with Aachen University (RWTH); Hitachi ABB Power Grids; Karlsruhe Institute of Technology (KIT); Schleswig-Holstein Netz AG; Siemens AG; TenneT TSO GmbH

Funded by: German Federal Ministry of Education and Research (BMBF)

Evaluation of public participation – Improving planning and permitting of major environmentally-relevant projects through participation of citizens and environmental organisations (01/2019 - 02/2023)

Schütte, S.; Hünecke, K.; von Vittorelli, L.; Wolff, F.; in cooperation with Consulimus AG; Independent Institute for Environmental Issues (UfU); Prof. Dr. Jens Newig

Commissioned by: German Environment Agency (UBA)

Increasing public awareness and interest in environmental information - strategies and tools to increase reach, visibility and utilization (04/2020 - 12/2022)

Scherf, C.; Brunn, C.; Siemons, A.; in cooperation with tippingpoints – agency for sustainable communication GmbH

Commissioned by: German Environment Agency (UBA)

Data concepts - advice on data issues with regard to the nETS (including documentation) (04/2021 - 11/2022)

Ludig, S.; Emele, L.; Gores, S.; Graichen, V.; Jörß, W.; Nissen, C.
Commissioned by: German Environment Agency (UBA)

Expert support for Germany's 2018 Climate Policy and Programme of Measures (01/2018 - 10/2022)

Repenning, J.; Blanck, R.; Böttcher, H.; Braungardt, S.; Bürger, V.; Emele, L.; Gores, S.; Harthan, R.; Hennenberg, K.; Hermann, H.; Keimeyer, F.; Köhler, B.; Loreck, C.; Matthes, F.; Mendelevitch, R.; Nissen, C.; Rausch, L.; Scheffler, M.; Wiegmann, K.; Zerrahn, A.; Zimmer, W.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Energy and Environmental Research (ifeu); Institute for Resource Efficiency and Energy Strategies GmbH (IREES); Prognos AG

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Sourcing strategies for renewable electricity for the Green Charging programme (07/2022 - 09/2022)

Seebach, D.

Commissioned by: Mercedes-Benz Group AG (former Daimler AG)

Transformative strategies for integrated district development (TRASIQ2): Testing of measures (04/2020 - 06/2022)

Buchert, M.; Degreif, S.; Hay, D.; Hesse, T.; Kasten, P.; Kenkmann, T.; Weber, M.; Winger, C.; in cooperation with ILS – Research Institute for Regional and Urban Development; Research Institute for Regional and Urban Development gGmbH (ILS); Team Ewen

Funded by: German Federal Ministry of Education and Research (BMBF)

CO2 pricing and the reform of taxes and levies on electricity (01/2021 - 03/2022)

Hermann, H.; Blanck, R.; Braungardt, S.; Bürger, V.; Cludius, J.; Emele, L.; Görz, W.; Keimeyer, F.; Kreye, K.; Loreck, C.; Matthes, F.; Mendelevitch, R.; Mottschall, M.; Repenning, J.; Schumacher, K.; Zerrahn, A.; Zimmer, W.; in cooperation with Prognos AG

Commissioned by: Stiftung Klimaneutralität

H2-SO - hydrogen technologies southern Rhine river (04/2020 - 02/2022)

Heinemann, C.; Timpe, C.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)

Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg

GHG projection: Advancement of the methods and implementation of the EU Effort Sharing Decision in the projection report 2019 ("Policy scenarios IX") (05/2018 - 01/2022)

Repenning, J.; Braungardt, S.; Bürger, V.; Cook, V.; Emele, L.; Gores, S.; Harthan, R.; Hennenberg, K.; Hermann, H.; Hesse, T.; Jörß, W.; Loreck, C.; Ludig, S.; Matthes, F.; Mendelevitch, R.; Moosmann, L.; Nissen, C.; Rausch, L.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Winger, C.; Zell-Ziegler, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREEs)

Commissioned by: German Environment Agency (UBA)

Impact assessment of regulatory and fiscal measures to promote plant-based diets and reduce meat consumption. (06/2021 - 11/2021)

Förster, H.; Hünecke, K.; Liste, V.; Scheffler, M.; Wiegmann, K.; Wissner, N.

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Development of the investment situation of commercial cogeneration plants and perspectives for subsidy strategies (11/2018 - 10/2021)

Gores, S.; Braungardt, S.; Liste, V.; Loreck, C.; Mendelevitch, R.; Rausch, L.; in cooperation with Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Implementation of the Climate Action Programme 2020 – scientific support of the implementation of the measures of the Action Programme (01/2016 - 08/2021)

Harthan, R.; Bürger, V.; Emele, L.; Flachsbarth, F.; Greiner, B.; Hennenberg, K.; Hermann, H.; Hesse, T.; Jörß, W.; Liste, V.; Loreck, C.; Ludig, S.; Matthes, F.; Scheffler, M.; Wiegmann, K.; Zell-Ziegler, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Climate Protection Scenario 2050 (12/2011 - 06/2021)

Repenning, J.; Bergmann, T.; Blanck, R.; Böttcher, H.; Cladius, J.; Cook, V.; Dehoust, G.; Emele, L.; Förster, H.; Görz, W.; Graichen, V.; Greiner, B.; Hacker, F.; Haller, M.; Harthan, R.; Hennenberg, K.; Hermann, H.; Hünecke, K.; Jörß, W.; Kasten, P.; Loreck, C.; Ludig, S.; Matthes, F.; Mendelevitch, R.; Moosmann, L.; Rausch, L.; Ritter, D.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Zell-Ziegler, C.; Zimmer, W.; in cooperation with dezentec - Ingenieurbüro für Energie und Umweltverfahrenstechnik; Dr. Hans-Joachim Ziesing; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Evaluation of cogeneration - Analyses on the development of combined heat and power in an energy system with a high share of renewable energies (10/2016 - 06/2021)

Gores, S.; Braungardt, S.; Bürger, V.; Emele, L.; Hermann, H.; Jörß, W.; Köhler, B.; Liste, V.; Loreck, C.; Mendelevitch, R.; Nissen, C.; Rausch, L.; Zell-Ziegler, C.; Zerrahn, A.; in cooperation with Foundation for Environmental Energy Law; Fraunhofer Institute for Manufacturing Technology and Advanced Materials (Fraunhofer IFAM); Ingenieurbüro für BHKW-Planung und KWK (BHKW Consult); Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Rethinking economic efficiency: Investment decisions in the service of environmental protection (12/2018 - 06/2021)

Braungardt, S.; Bürger, V.; Prieß, R.; Quack, D.; Schumacher, K.; Wolff, F.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Legal guidance for the German Climate Action Plan and legal implementation (11/2018 - 05/2021)

Keimeyer, F.; Braungardt, S.; Emele, L.; Gores, S.; Graichen, J.; Harthan, R.; Hermann, H.; Jörß, W.; Kenkmann, T.; Repenning, J.; Schumacher, K.; in cooperation with Ecologic Institut gGmbH; Prof. Dr. Stefan Klinski

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Hydrogen Strategy 2.0 - Systematic elaboration of the relevant fields of action with a view to establishing a hydrogen economy as the fourth pillar of the energy transition towards climate neutrality (01/2021 - 04/2021)

Matthes, F.; Braungardt, S.; Bürger, V.; Heinemann, C.; Hermann, H.; Kasten, P.; Mendelevitch, R.; Seebach, D.

Commissioned by: Stiftung Klimaneutralität

Scientific monitoring of the DENEFF project "Green Recoverthon: Economy goes up again, CO2 emissions stay down - Participatory consensus mobilization". (06/2020 - 03/2021)

Repenning, J.; Braungardt, S.; Bürger, V.; Schumacher, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Federal Environmental Foundation (DBU)

National emissions trading: Conceptual advice on data-related questions of scope (01/2020 - 03/2021)

Jörß, W.; Emele, L.; Graichen, V.; Harthan, R.; Hermann, H.; Matthes, F.; Nissen, C.

Commissioned by: German Environment Agency (UBA)

Climate neutral Germany 2050 (03/2020 - 03/2021)

Zimmer, W.; Blanck, R.; Görz, W.; Hennenberg, K.; Matthes, F.; Reise, J.; Scheffler, M.; Wiegmann, K.; in cooperation with Prognos AG; Wuppertal Institut für Klima, Umwelt, Energie gGmbH

Commissioned by: Agora Energiewende

Sustainable use of renewable energies for the provision of electricity, heat and cooling in energy concepts for buildings and neighbourhoods, taking account of building energy efficiency – Preliminary research (10/2017 - 03/2021)

Hesse, T.; Bleher, D.; Braungardt, S.; Bürger, V.; Köhler, B.; Ritter, D.; Sutter, J.; Winger, C.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)

Commissioned by: German Environment Agency (UBA)

Database for climate and energy scenarios (ScenarioDB): Research of scenario data and exemplary extension of OpenEnergy database. (01/2018 - 03/2021)

Förster, H.; Emele, L.; Liste, V.; Winger, C.; in cooperation with Fraunhofer Institute for Wind Energy and Energy System Technology (Fraunhofer IWES); Otto von Guericke University Magdeburg; Reiner Lemoine Institute

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Distributional aspects of climate change (10/2020 - 03/2021)

Schumacher, K.; Cludius, J.; Förster, H.; Hünecke, K.; Liste, V.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS)

Commissioned by: Federal Ministry of Labour and Social Affairs

Regulatory experimental spaces for the reflective and adaptive governance of innovations (01/2019 - 03/2021)

Bauknecht, D.; Englert, M.; Gailhofer, P.; Heyen, D.; Vogel, M.; in cooperation with Georg-August-University Goettingen, Institute for Small Business Economics (ifh Göttingen); Hochschule Darmstadt, University of Applied Sciences

Funded by: German Federal Ministry of Education and Research (BMBF)

Thinking ahead to sustainable consumption (01/2021 - 02/2021)

Bürger, V.; Braungardt, S.; Kenkmann, T.; Köhler, B.

Commissioned by: German Environment Agency (UBA)

Ex-post evaluation of benefits and costs of environmental legislation (03/2018 - 02/2021)

Hünecke, K.; Baron, Y.; Löw, C.; Schumacher, K.; in cooperation with Centre for European Economic Research; German Research Institute for Public Administration (FOEV)

Commissioned by: German Environment Agency (UBA)

Ecological financial reform: product-related incentives as drivers for environmentally friendly production and consumption (05/2019 - 02/2021)

Siemons, A.; Förster, H.; Hünecke, K.; Keimeyer, F.; Liste, V.; Schumacher, K.; Winger, C.; in cooperation with Environmental Policy Research Centre - Freie Universität Berlin (FFU); Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS)

Commissioned by: German Environment Agency (UBA)

Pilot Project Decentralisation - Greater decentralisation of the German electricity-heat system: Legal and organisational framework and infrastructural consequences (12/2019 - 01/2021)

Koch, M.; Bauknecht, D.; Heinemann, C.; Hesse, T.; Vogel, M.; Wingenbach, M.; in cooperation with Energynautics; Foundation for Environmental Energy Law

Commissioned by: Ministry of the Environment, Energy, Food and Forestry (Rheinland-Pfalz)

Germany on the way to climate neutrality: What opportunities and risks does digitalisation present? (07/2020 - 12/2020)

Braungardt, S.

Commissioned by: KfW Group

Sustainable consumption: evaluation and further development of measures and instruments (06/2017 - 06/2020)

Schumacher, K.; Kampffmeyer, N.; Keimeyer, F.; Wolff, F.; in cooperation with ConPolicy - Institute for Consumer Policy; Prof. Dr. Lucia Reisch, Zeppelin University; Technische Universität Berlin

Commissioned by: German Environment Agency (UBA)

Transformative strategies for an integrated urban quarter development: plans of action and assessment options for German high-influx cities (01/2017 - 03/2020)

See also: www.trasiq.de

Hesse, T.; Bleher, D.; Braungardt, S.; Brohmann, B.; Bürger, V.; Fischer, C.; Schönau, M.; Winger, C.; in cooperation with German Institute of Urban Affairs (Difu); Research Institute for Regional and Urban Development gGmbH (ILS); Schader-Stiftung; Team Ewen

Funded by: German Federal Ministry of Education and Research (BMBF)

Communicative monitoring of the implementation of the climate protection plan 2050 (01/2018 - 03/2020)

Scheffler, M.; Braungardt, S.; Gores, S.; Hesse, T.; Loreck, C.; Nissen, C.; Wiegmann, K.; in cooperation with BildungsCent e.V.; co2online gGmbH; Institut für Organisationskommunikation GmbH (IFOK)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Strategies and recommendations for the ecological structural change towards a green economy (01/2018 - 02/2020)

Heyen, D.; Hünecke, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Valuation and introduction strategies for heavy goods vehicles with overhead lines - StratON

(03/2016 - 12/2019)

Hacker, F.; Blanck, R.; Bracker, J.; Bulach, W.; Görz, W.; Haller, M.; Kasten, P.; Kühnel, S.; Ludig, S.; Mottschall, M.

Funded by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Kopernikus ENSURE - New ENergy Grid StructURes for Energy Transition (09/2016 - 12/2019)

See also: <https://www.kopernikus-projekte.de/projekte/neue-netzstrukturen>

Timpe, C.; Bauknecht, D.; Bracker, J.; Bürger, V.; Emele, L.; Flachsbarth, F.; Haller, M.; Heinemann, C.; Hennenberg, K.; Hesse, T.; Hünecke, K.; Koch, M.; Ritter, D.; Seebach, D.; Vogel, M.; Winger, C.; in cooperation with Aachen University (RWTH); Deutsche Umwelthilfe e. V. (DUH); E.ON; ewi Energy Research & Scenarios (ewi ER&S); Germanwatch e.V.; Karlsruhe Institute of Technology (KIT); Siemens AG; Stadtwerke Kiel; TenneT TSO GmbH

Funded by: German Federal Ministry of Education and Research (BMBF)

Expert support for the preparation of the German government's Climate Action Plan 2050

(07/2015 - 10/2019)

Repenning, J.; Bürger, V.; Emele, L.; Greiner, B.; Haller, M.; Harthan, R.; Hennenberg, K.; Hermann, H.; Hesse, T.; Loreck, C.; Ludig, S.; Matthes, F.; Mendelevitch, R.; Moosmann, L.; Rausch, L.; Scheffler, M.; Schumacher, K.; Vogel, M.; Wiegmann, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Ice-TeX-Ingenieurbüro, Sponholz-Rühlw; Institut für Organisationskommunikation GmbH (IFOK); Institute for Resource Efficiency and Energy Strategies GmbH (IREES)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Climatefriendly transport: implementation strategies for greenhousegas reductions in the transport sector in 2030 and 2050 (12/2016 - 10/2019)

Zimmer, W.; Blanck, R.; Förster, H.; Gores, S.; Graichen, J.; Graichen, V.; Hacker, F.; Healy, S.; Heinemann, C.; Kasten, P.; Nissen, C.; Schumacher, K.; Seebach, D.; Timpe, C.; Wingenbach, M.; in cooperation with INFRAS AG; Institute for Energy and Environmental Research (ifeu); KCW GmbH

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

ENavi - Navigation system to evaluate and analyse systemic cross-linkages of energy transformation (10/2016 - 09/2019)

Brohmann, B.; Bauknecht, D.; Bracker, J.; Heinemann, C.; Hesse, T.; Vogel, M.; Zimmer, W.; in cooperation with DIALOGIK gemeinnützige Gesellschaft für Kommunikations- und Kooperationsforschung mbH; University of Münster; Wuppertal Institut für Klima, Umwelt, Energie gGmbH

Funded by: German Federal Ministry of Education and Research (BMBF)

Evaluation study of participants in an event within the framework of the "ENERGIE2020" project (09/2018 - 09/2019)

Schumacher, K.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: Verbraucherzentrale Nordrhein-Westfalen (VZ-NRW)

Kopernikus P2X - Research, validation and implementation of power-to-x concepts (10/2016 - 08/2019)

Sutter, J.; Bracker, J.; Emele, L.; Flachsbarth, F.; Heinemann, C.; Hermann, H.; Ludig, S.; Timpe, C.

Funded by: German Federal Ministry of Education and Research (BMBF)

Revision of the TREMOD model for aviation 2019 (05/2019 - 08/2019)

Gores, S.; Zell-Ziegler, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: German Environment Agency (UBA)

Macroeconomic effects of the changeover expenditure for environment-related legislative projects (02/2019 - 05/2019)

Schumacher, K.; Hünecke, K.; Nissen, C.

Commissioned by: German Environment Agency (UBA)

Model based scenario analysis of energy transition in the German electricity system within the context of future development possibilities in Europe up to 2050 (01/2017 - 03/2019)

Koch, M.; Bauknecht, D.; Haller, M.; Heinemann, C.; Ritter, D.; Vogel, M.; Winger, C.; in cooperation with Eclareon; Jacobs University Bremen

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Assessment of the environmental, social and economic impacts of the sector targets for 2030 of the Federal Government's Climate Action Plan 2050 (10/2017 - 03/2019)

Repenning, J.; Bergmann, T.; Blanck, R.; Böttcher, H.; Bürger, V.; Cludius, J.; Cook, V.; Emele, L.; Hennenberg, K.; Hermann, H.; Hünecke, K.; Jörß, W.; Kreye, K.; Loreck, C.; Ludig, S.; Matthes, F.; Nissen, C.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Zell-Ziegler, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREES); Research Institute of Organic Agriculture (FiBL)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Opportunities and risks of digitalisation for a sustainable energy industry - Using the example of new trading options for market and grid (03/2018 - 03/2019)

Heinemann, C.; Bauknecht, D.; Bracker, J.; Gensch, C.; Winger, C.
Funded by: Stiftung Zukunftserbe

Developing instruments for reducing energy consumption through changes in behaviour (11/2016 - 12/2018)

Schumacher, K.; Cludius, J.; Fischer, C.; Förster, H.; Hünecke, K.; Kenkmann, T.; Zell-Ziegler, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Environment Agency (UBA)

Effects of sectoral coupling in the heating sector on the energy costs of private consumers

(09/2018 - 12/2018)

Bürger, V.; Braungardt, S.; Cludius, J.
Commissioned by: Federation of German Consumer Organisations (vzbv)

Scientific support on aspects of developing a governance system for the 2030 climate and energy framework (01/2018 - 12/2018)

Seebach, D.; Benndorf, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Extending cost-benefit analyses on selected energy efficiency measures to include findings relating to the market for energy efficiency services and the cost of investments in energy efficiency (12/2017 - 09/2018)

Braungardt, S.; Hünecke, K.; Schumacher, K.; in cooperation with Wuppertal Institut für Klima, Umwelt, Energie gGmbH
Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)

Decomposition analysis of energy-related greenhouse gas emissions with a focus on the expansion of renewable energy (01/2016 - 09/2018)

Förster, H.; Emele, L.; Graichen, J.; Loreck, C.; Nissen, C.; Rausch, L.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: German Environment Agency (UBA)

Improving the methodological foundation and elaborating a greenhouse gas emission scenario as a basis for the 2017 Projection Report within the framework of EU greenhouse gas monitoring ("Policy Scenarios VIII") (07/2016 - 07/2018)

Repenning, J.; Bürger, V.; Emele, L.; Flachsbarth, F.; Förster, H.; Greiner, B.; Harthan, R.; Hennenberg, K.; Hermann, H.; Herrmann, L.; Jörß, W.; Loreck, C.; Ludig, S.; Rausch, L.; Ritter, D.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Winger, C.; Zell-Ziegler, C.; in cooperation with Dr. Hans-Joachim Ziesing; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Availability and use of biogenic waste and residues in the energy system (electricity, heat and transport sector) (01/2017 - 06/2018)

Hünecke, K.; Wiegmann, K.; in cooperation with Institut für ZukunftsEnergie- und Stoffstromsysteme gGmbH (IZES); Institute for Energy and Environmental Research (ifeu)

Commissioned by: German Environment Agency (UBA)

Role of bioenergy in the electricity and heat markets up to 2050, taking into account the future building stock (07/2016 - 04/2018)

Koch, M.; Bürger, V.; Haller, M.; Hennenberg, K.; Hesse, T.; Hünecke, K.; Ludig, S.; Winger, C.

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Research coordination of the funding initiative "An environmentally and socially compatible transformation of the German energy system" (04/2014 - 02/2018)

Bürger, V.; Barth, R.; Bauknecht, D.; Brommer, E.; Gensch, C.; Heinemann, C.; Hermann, H.; Hesse, T.; Sachs, A.; Schoßig, M.; Vogel, M.; in cooperation with Institute for Social-Ecological Research Ltd. (ISOE); KiB Research

Funded by: German Federal Ministry of Education and Research (BMBF)

3.2 German energy and climate protection policy – sector specific

Scientific support on instruments and measures to accelerate the expansion of renewable energies for climate neutrality by 2045 (03/2023 - 03/2026)

Bauknecht, D.; Hennenberg, K.; Koch, M.; Ritter, D.; in cooperation with Foundation for Environmental Energy Law

Commissioned by: German Environment Agency (UBA)

Direct Marketing of renewable energies and further marketing models for renewable energies
(11/2022 - 12/2025)

Ritter, D.; Haller, M.; Seebach, D.; Winger, C.; in cooperation with Energy Brainpool; Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); m3 management consulting GmbH; NN
Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Evaluation of Cogeneration 2021–2025 (11/2021 - 12/2025)

Gores, S.; Braungardt, S.; Bürger, V.; Cludius, J.; Emele, L.; Harthan, R.; Hermann, H.; Jansen, L.; Koch, M.; Köhler, B.; Liste, V.; Loreck, C.; Mendelevitch, R.; Nissen, C.; Rausch, L.; Scheffler, M.; Wiegmann, K.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Manufacturing Technology and Advanced Materials (Fraunhofer IFAM); Ingenieurbüro für BHKW-Planung und KWK (BHKW Consult); Prognos AG; r2b - research to business energy consulting
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

joint-project: EmPowerPlan - regional planning of the energy transition - participation and justice on site and the big picture in mind; single-project: Power - big pictures and participation (08/2022 - 01/2025)

Wingenbach, M.; Brohmann, B.; Flachsbarth, F.; Koch, M.; Krieger, S.; Mbah, M.; Winger, C.; in cooperation with Institute for Futures Studies and Technology Assessment (IZT); Reiner Lemoine Institute

Funded by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Expert opinion on the JIT and the EPBD (12/2021 - 12/2024)

Köhler, B.; Bauknecht, D.; Bei der Wieden, M.; Braungardt, S.; Bürger, V.; Cludius, J.; Keimeyer, F.; Ritter, D.; Schumacher, K.; Seebach, D.; in cooperation with Dresden Institute for Building Systems Engineering Research and Application (ITG); Engineering Office Prof. Dr. Hauser GmbH; Forschungsinstitut für Wärmeschutz e. V. München (FIW); Foundation for Environmental Energy Law; German Energy Agency (dena); Guidehouse Energy Germany GmbH; Institute for Energy and Environmental Research (ifeu)

Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)

TRANAVIG - Transport Network Expansion Navigator (12/2022 - 12/2023)

Matthes, F.; Flachsbarth, F.

Commissioned by: 50Hertz Transmission GmbH

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development (01/2020 - 12/2023)

See also: www.ok-power.de

Seebach, D.; Timpe, C.; Wingenbach, M.

Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Support of BASE in the process analysis of the site selection procedure (PaSta) (05/2020 - 12/2023)

Hünecke, K.; Claus, M.; Dieroff, J.; Hünecke, K.; Kurth, S.; Mbah, M.; Neles, J.; Schütte, S.; Spieth-Achtnich, A.; in cooperation with Becker Büttner Held PartGmbH

Commissioned by: Federal Office for the Safety of Nuclear Waste Management (BASE)

Recognition of imported guarantees of origin for electricity (GO) according to the Renewable Energy Directive II (RED II) (08/2021 - 12/2023)

See also: <https://www.umweltbundesamt.de/themen/klima-energie/erneuerbare-energien/herkunfts-nachweisregister-hknr>

Seebach, D.; Wingenbach, M.; in cooperation with Becker Büttner Held PartGmbH

Commissioned by: German Environment Agency (UBA)

Simplification of the requirement parameters in the energy saving right for buildings (01/2021 - 10/2023)

Köhler, B.; Bürger, V.; in cooperation with Guidehouse Energy Germany GmbH; Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

Affordable housing and climate protection with view of housing situation and housing costs of low- and middle-income households (10/2021 - 10/2023)

Schumacher, K.; Bei der Wieden, M.; Braungardt, S.; Bürger, V.; Cludius, J.; Hünecke, K.; Köhler, B.; Liste, V.; Noka, V.; in cooperation with Dresden Institute for Building Systems Engineering Research and Application (ITG); Institute for Ecological Economy Research (IÖW); Prof. Steiner (FU Berlin)

Commissioned by: Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR)

Analyses and assessments of the climate protection impact of instruments and measures for greenhouse gas reduction in transport, development of design options (10/2019 - 09/2023)

Hacker, F.; Bergmann, T.; Betz, J.; Blanck, R.; Buchert, M.; Cames, M.; Dolega, P.; Förster, H.; Görz, W.; Graichen, J.; Graichen, V.; Heinemann, C.; Kasten, P.; Keimeyer, F.; Kreye, K.; Merz, C.; Motschall, M.; Repenning, J.; Schumacher, K.; Sutter, J.; Timpe, C.; Wissner, N.; Zimmer, W.; in cooperation with INFRAS AG; Institute for Energy and Environmental Research Heidelberg GmbH (ifeu); Transport & Environment

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Heat transition: The Energiewende in the heating sector – Targets and policy instruments for the decarbonization of the heating supply (07/2020 - 08/2023)

Bürger, V.; Braungardt, S.; Keimeyer, F.; Köhler, B.; in cooperation with Becker Büttner Held PartGmbH; Institute for Energy and Environmental Research (ifeu); Institute for Energy Economics and the Rational Use of Energy of Stuttgart University (IER); Prof. Dr. Stefan Klinski; Prognos AG
Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)

Kopernikus project Ariadne - Evidence-Based Assessment for the Design of the German Energy System Transformation - Sub-project Sectoral Focus analysis heat transition: Identification and evaluation of instruments (06/2020 - 08/2023)

See also: <https://ariadneprojekt.de/>

Köhler, B.; Braungardt, S.; Bürger, V.; Hesse, T.; in cooperation with adelphi research gGmbH; Brandenburg University of Technology Cottbus-Senftenberg; Centre for European Economic Research; Ecologic Institut gGmbH; Foundation for Environmental Energy Law; Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Fraunhofer-Institut für Energiewirtschaft und Energiesystemtechnik (Fraunhofer IEE); German Aerospace Center (DLR); German Economic Institute; German Institute for Economic Research (DIW); Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH; Hertie School of Governance gGmbH; Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen; Institute for Advanced Sustainability Studies (IASS); Institute for Climate Protection, Energy and Mobility; Institute for Energy Economics and the Rational Use of Energy of Stuttgart University (IER); Mercator Research Institute on Global Commons and Climate Change (MCC) gGmbH; Potsdam Institute for Climate Impact Research (PIK); RWI - Rheinisch-Westfälisches Institut für Wirtschaftsforschung; Technical University of Darmstadt; Technische Universität München; Universität Hamburg; University of Münster; University of Potsdam

Funded by: German Federal Ministry of Education and Research (BMBF)

Technical support for climate policy - measures in the field of energy production and transport (08/2019 - 07/2023)

Repenning, J.; Bauknecht, D.; Cludius, J.; Emele, L.; Gores, S.; Graichen, J.; Haller, M.; Harthan, R.; Heinemann, C.; Hermann, H.; Hesse, T.; Jansen, L.; Jörß, W.; Kasten, P.; Keimeyer, F.; Loreck, C.; Matthes, F.; Mendelevitch, R.; Palacios, S.; Rausch, L.; Ritter, D.; Schumacher, K.; Seebach, D.; Timpe, C.; Wingenbach, M.; Zerrahn, A.; in cooperation with Prof. Dr. Stefan Klinski
Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Legal advice on climate protection contracts CCfD (07/2022 - 07/2023)

Matthes, F.; in cooperation with Deloitte Consulting GmbH; E-Bridge Consulting GmbH
Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Scientific analyses of current climate policy issues in the field of energy efficiency, particularly in the industry, tertiary sector and buildings sectors (05/2019 - 06/2023)

Bürger, V.; Böttcher, H.; Braungardt, S.; Cludius, J.; Ganal, I.; Hennenberg, K.; Hesse, T.; Keimeyer, F.; Kenkmann, T.; Köhler, B.; Pfeiffer, M.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREEs); Prof. Dr. Stefan Klinski

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Analysis of the consideration of social aspects in federal funding for efficient buildings

(09/2022 - 06/2023)

Schumacher, K.; Braungardt, S.; Bürger, V.; Cludius, J.; in cooperation with German Energy Agency (dena)

Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Climate protection in land-based transport through emissions trading and offset systems - risk analysis (12/2019 - 05/2023)

Braungardt, S.; Bei der Wieden, M.; Blanck, R.; Bürger, V.; Ganal, I.; Görz, W.; Graichen, J.; Graichen, V.; Hennenberg, K.; Hünecke, K.; Jakob, M.; Kasten, P.; Köhler, B.; Kreye, K.; Matthes, F.; Schumacher, K.; Winger, C.; Zimmer, W.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS)

Funded by: German Environment Agency (UBA)

Distribution of energy use and energy costs for households in multi-family houses (10/2022 - 01/2023)

Schumacher, K.; Cludius, J.; Liste, V.; Nissen, C.

Commissioned by: Rosa-Luxemburg-Stiftung

Scientific advice on BMWK measures to implement a heat pump offensive (04/2022 - 01/2023)

Bürger, V.; Braungardt, S.; Köhler, B.; in cooperation with Becker Büttner Held PartGmbH; Dresden Institute for Building Systems Engineering Research and Application (ITG); Ernst & Young (EY); Forschungsinstitut für Wärmeschutz e. V. München (FIW); German Energy Agency (dena); Guidehouse Energy Germany GmbH; Institute for Energy and Environmental Research (ifeu); Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Investigation of licensing practice and identification of administrative barriers as well as possible solutions in Germany and the EU for renewable energy plants. (01/2022 - 11/2022)

Seebach, D.; Bauknecht, D.; Vogel, M.; in cooperation with Ideas into energy

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Support services to create an evaluation plan for the Federal funding for efficient heating networks (BEW - instrument for funding renewable energies in heating and cooling networks) for submission to the European Commission as well as professional advice (04/2022 - 10/2022)

Gores, S.; Bürger, V.; Koch, M.; Köhler, B.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Manufacturing Technology and Advanced Materials (Fraunhofer IFAM); German Energy Agency (dena)

Commissioned by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

Future of PV subsidies: How can the necessary expansion of rooftop installations be ensured? (01/2022 - 09/2022)

Ritter, D.; Haller, M.

Commissioned by: Elektrizitätswerke Schönau (EWS)

Direct Marketing of renewable energies and further marketing models for renewable energies

(01/2019 - 09/2022)

Seebach, D.; Haller, M.; Rausch, L.; Ritter, D.; Winger, C.; in cooperation with Energy Brainpool (Portfolio Consultants); Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Heat pumps in the context of the 65% rule (03/2022 - 07/2022)

Braungardt, S.; Bürger, V.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)

Commissioned by: Agora Energiewende

Energy-efficiency refurbishment protects consumers from high energy costs - proposals for social compensation elements in energy efficiency funding (05/2022 - 07/2022)

Schumacher, K.; Braungardt, S.; Nissen, C.

Commissioned by: Deutsche Umwelthilfe e. V. (DUH)

MODEX model intercomparison (01/2019 - 05/2022)

Haller, M.; Koch, M.; Ritter, D.; Winger, C.; in cooperation with ewi Energy Research & Scenarios (ewi ER&S); Fraunhofer-Institut für Energiewirtschaft und Energiesystemtechnik (Fraunhofer IEE); Hertie School of Governance gGmbH; University of Duisburg-Essen (UDE)

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Short expert opinion in connection with the revision of Directives (EU) 2018/2002 on energy efficiency and (EU) 2018/2001 on renewable energies in the heat and buildings sector (01/2022 - 04/2022)

Braungardt, S.; Bürger, V.; Gores, S.

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Decentralised energy transition in between social justice, system costs and (05/2020 - 01/2022)See also: <https://www.germanwatch.org/de/dez-zielkonflikte>

Vogel, M.; Bauknecht, D.; Heinemann, C.; Wingenbach, M.; in cooperation with Germanwatch e.V.

*Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)***Wissen.Wandel.Berlin. Transdisciplinary Research for a Social and Ecological Metropolis****Research Network Ecornet Berlin - Subproject** (07/2020 - 12/2021)

Schumacher, K.; Cludius, J.; Liste, V.; Noka, V.; in cooperation with Ecologic Institut gGmbH; Ecological Research Network (Ecornet); Independent Institute for Environmental Issues (UfU); Institute for Ecological Economy Research (IÖW); Institute for Futures Studies and Technology Assessment (IZT)

*Funded by: Senatskanzlei Berlin***Systemic monitoring and modelling of the bioeconomy** (03/2017 - 12/2021)

Böttcher, H.; Benndorf, A.; Hennenberg, K.; Hünecke, K.; Reise, J.; Scheffler, M.; Wiegmann, K.; Winger, C.; in cooperation with Deutsches Biomasseforschungszentrum (DBFZ); Helmholtz-Centre for Environmental Research GmbH; INFRO - Information Systems for Resources; Institute of Economic Structures Research (GWS); Meo Carbon Solutions GmbH; University of Kassel

*Funded by: German Federal Ministry of Education and Research (BMBF)***Model comparison of electricity grid models in the European context** (01/2019 - 12/2021)

Koch, M.; Flachsbarth, F.; Palacios, S.; Wingenbach, M.; Winger, C.; in cooperation with Aachen University (RWTH); Forschungszentrum Jülich - Institute of Energy and Climate Research - Electrochemical Process Engineering (IEK-14); German Aerospace Center (DLR) - Institute of Networked Energy Systems; Karlsruhe Institute of Technology (KIT); Research Center for Energy Economics; Technische Universität Dresden; TU Dortmund University

*Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)***Update and expansion of the study "The German Lignite Industry"** (10/2021 - 11/2021)

Hermann, H.; Matthes, F.

*Commissioned by: Agora Energiewende***National phase-out regulations for fossil fuel heating** (06/2021 - 09/2021)

Braungardt, S.; Bürger, V.; Ganal, I.; Keimeyer, F.; Koch, M.; Vogel, M.; in cooperation with Prof. Dr. Stefan Klinski

*Commissioned by: European Climate Foundation (ECF)***Agenda Heat Transition 2021** (11/2020 - 06/2021)

Bürger, V.; Braungardt, S.; Ganal, I.; in cooperation with Hamburg Consult GmbH

Commissioned by: Stiftung Klimaneutralität

Sustainable cooling in buildings in Europe – Concepts for avoiding heat islands and for a comfortable indoor climate (10/2018 - 06/2021)

Braungardt, S.; Köhler, B.; in cooperation with ECOFYS
Commissioned by: German Environment Agency (UBA)

Implementation of KWSB recommendations (section 2): Interaction of a decommissioning measure with the electricity market (08/2019 - 05/2021)

Hermann, H.; Gores, S.; Haller, M.; Matthes, F.; Mendelevitch, R.; Rausch, L.; Ritter, D.; Winger, C.; in cooperation with r2b - research to business energy consulting
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Analysis of the Post-EEG Situation for Wind and PV Powerplants in Germany (12/2020 - 05/2021)

Seebach, D.; Palacios, S.; Wingenbach, M.

Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Investigation of instruments and measures to develop the additional renewable energy expansion required from a climate protection perspective (01/2019 - 05/2021)

Bauknecht, D.; Haller, M.; Heinemann, C.; Palacios, S.; Ritter, D.; Vogel, M.; Winger, C.; in cooperation with Foundation for Environmental Energy Law

Commissioned by: German Environment Agency (UBA)

Distributional effects and social aspects of climate policy measures in the areas of housing and mobility (09/2020 - 04/2021)

Schumacher, K.; Braungardt, S.; Cludius, J.; Hünecke, K.; Köhler, B.; Liste, V.; Noka, V.

Funded by: Federal Ministry of Labour and Social Affairs

Climate protection in air and maritime transport: Options for meeting emission targets (12/2017 - 04/2021)

Cames, M.; Böttcher, H.; Graichen, J.; Healy, S.; Kasten, P.; Kühnel, S.; Motschall, M.; Nissen, C.; in cooperation with CE Delft; German Aerospace Center (DLR)

Commissioned by: German Environment Agency (UBA)

The energy system of the future in the 'solar arch' of Southern Germany (01/2017 - 03/2021)

Heinemann, C.; Bauknecht, D.; Bracker, J.; Flachsbarth, F.; Koch, M.; Ritter, D.; Seebach, D.; Vogel, M.; Wingenbach, M.; Winger, C.; in cooperation with Becker Büttner Held PartGmbH; EAM Netz GmbH

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Enera demonstration project wind (02/2017 - 03/2021)

See also: <http://energie-vernetzen.de/>

Bauknecht, D.; Flachsbarth, F.; Haller, M.; Heinemann, C.; Koch, M.; Ludig, S.; Palacios, S.; Ritter, D.; Vogel, M.; Wingenbach, M.; Winger, C.; in cooperation with OFFIS - Institute for Informatics; Aachen University (RWTH); EWE

Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Assessment of the funding schemes for building retrofit and of the impacts of the corona crisis on the buildings sector (08/2020 - 01/2021)

Braungardt, S.; Bürger, V.; in cooperation with Guidehouse Energy Germany GmbH; Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2020)

(03/2020 - 12/2020)

See also: <https://www.agora-energiewende.de/eegrechner/>

Ritter, D.; Haller, M.

Commissioned by: Agora Energiewende

Living Spaces: Instruments for needs-based use of living space in municipalities, Project of German Federal Ministry of Education and Research within the framework of the “Innovative Municipalities” program (03/2017 - 12/2020)

Fischer, C.; Kenkmann, T.; in cooperation with Institute for Energy and Environmental Research (ifeu); Institute for Social-Ecological Research Ltd. (ISOE)

Funded by: German Federal Ministry of Education and Research (BMBF)

Systemic challenges of Germany's heat transition (11/2017 - 10/2020)

Bürger, V.; Braungardt, S.; Hesse, T.; Köhler, B.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Hamburg Institut Consulting GmbH (HIC)

Commissioned by: German Environment Agency (UBA)

Improving the contribution of the Common Agricultural Policy to climate protection in the EU - Quantification of the greenhouse gas reduction potential of the GAEC standards and the Eco-Schemes (09/2020 - 10/2020)

Scheffler, M.; Wiegmann, K.

Commissioned by: Germanwatch e.V.

National restrictions on fossil fuels in heating systems in the context of the Ecodesign Directive (04/2020 - 07/2020)

Keimeyer, F.; Braungardt, S.; Bürger, V.; Köhler, B.; Tezak, B.; in cooperation with Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

Life cycle assessment of high and extra high-voltage lines in Germany (08/2018 - 07/2020)

Sutter, J.; Flachsbarth, F.; Liu, R.; in cooperation with GreenDelta GmbH; Prof. Dr.-Ing. habil. Lutz Hoffmann

Commissioned by: German Environment Agency (UBA)

Identification of actor-related options for action for a turnaround in food and agriculture with a view to shaping the CAP after 2020 (09/2018 - 07/2020)

Böttcher, H.; Hünecke, K.; Scheffler, M.; Wiegmann, K.

Commissioned by: Stiftung Zukunftserbe

Evaluation of the measure "National efficiency label for old heating systems" (08/2016 - 07/2020)

Schumacher, K.; Kenkmann, T.; in cooperation with Institute for Futures Studies and Technology Assessment (IZT)

Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)

Scientific analyses of current climate policy issues in the land use, land-use change and forestry sector (LULUCF) (11/2018 - 04/2020)

Böttcher, H.; Hennenberg, K.; Reise, J.; Scheffler, M.; in cooperation with Eberswalde University for Sustainable Development (HNE); Institute for Energy and Environmental Research (ifeu); Research Institute of Organic Agriculture (FiBL)

Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Sustainable utilization of resources – requirements for a sustainable bio-based economy as part of the implementation of Agenda 2030/SDGs (10/2017 - 03/2020)

Hünecke, K.; Hennenberg, K.; in cooperation with Ecologic Institut gGmbH; University of Sussex

Commissioned by: German Environment Agency (UBA)

Social design of GHG mitigation in the German transport sector: Distributional effects of policies and measures (12/2018 - 03/2020)

Blanck, R.; Cladius, J.; Görz, W.; Kreye, K.; Schönau, M.; Schumacher, K.; Zimmer, W.; in cooperation with Freie Universität Berlin

Commissioned by: Agora Verkehrswende

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2019)

(02/2019 - 01/2020)

See also: <https://www.agora-energiewende.de/eegrechner/>

Ritter, D.; Haller, M.

Commissioned by: Agora Energiewende

Expertise on measures to achieve the 2030 sector target for the buildings sector to accompany the Climate Cabinet (06/2019 - 01/2020)

Bürger, V.; Braungardt, S.; in cooperation with adelphi consult GmbH; Becker Büttner Held PartGmbH; German Energy Agency (dena); Institute for Energy and Environmental Research (ifeu); Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development (01/2019 - 12/2019)

Seebach, D.; Wingenbach, M.

Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Scale up! Emission-free airport vehicles (09/2016 - 12/2019)

Hacker, F.; Bracker, J.; Bulach, W.; Haller, M.; Kühnel, S.; Minnich, L.; Seebach, D.; in cooperation with Flughafen Stuttgart GmbH (Stuttgart Airport); Losch Airport Service GmbH

Funded by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Comparative analysis of electricity storage systems - application scenarios, economic and ecological evaluation (11/2018 - 12/2019)

Bulach, W.; Baron, Y.; Bauknecht, D.; Heinemann, C.; Koch, M.; Möller, M.; Stahl, H.; Vogel, M.

Commissioned by: Bayerisches Landesamt für Umwelt

Project for analysis and restructuring of cross-cutting energy law (electricity) (10/2015 - 09/2019)

Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with Becker Büttner Held PartGmbH; Ecologic Institut gGmbH; Foundation for Environmental Energy Law

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Study on aspects of the Long Term Renovation Strategy (Art. 2a of Directive 2018/844 EPBD)

(05/2019 - 08/2019)

Braungardt, S.; in cooperation with German Energy Agency (dena)

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Study on the buildings energy funding scheme (06/2019 - 08/2019)

Braungardt, S.; in cooperation with German Energy Agency (dena)

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Historical and future development of the EEG surcharge and its influence on electricity prices

(07/2016 - 07/2019)

Loreck, C.; Graichen, V.; Haller, M.; Matthes, F.; Rausch, L.; Ritter, D.; Winger, C.

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Concepts for the enforcement of climate protection laws in the building sector including third parties (10/2016 - 03/2019)

Keimeyer, F.; Bürger, V.; Hesse, T.; in cooperation with Prof. Dr. Stefan Klinski
Commissioned by: German Environment Agency (UBA)

Quantitative modelling of the impacts of a carbon floor price for the electricity sector in Germany in 2025 and 2030 (08/2018 - 03/2019)

Hermann, H.; Flachsbarth, F.; Matthes, F.; Mendelevitch, R.
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Germany's electric future – Coal phase-out 2035 (03/2016 - 02/2019)

Loreck, C.; Cook, V.; Emele, L.; Flachsbarth, F.; Hermann, H.; Ludig, S.; Matthes, F.; Ritter, D.; Winger, C.; in cooperation with Prognos AG
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Industrial waste heat recovery (03/2018 - 01/2019)

Braungardt, S.; in cooperation with Becker Büttner Held Consulting AG; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Climate Protection, Energy and Mobility
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg

Environmental assessment of different transport types in Germany (12/2016 - 01/2019)

Bergmann, T.; Bracker, J.; Motschall, M.; Seebach, D.; in cooperation with INFRAS AG; Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Environment Agency (UBA)

Quantification of GHG mitigation potential (10/2018 - 01/2019)

Scheffler, M.; Wiegmann, K.
Commissioned by: Klima-Allianz Deutschland

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2018)

(04/2018 - 12/2018)

See also: <https://www.agora-energiewende.de/eegrechner/>

Ritter, D.; Haller, M.; Loreck, C.
Commissioned by: Agora Energiewende

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development (01/2018 - 12/2018)

Seebach, D.; Bracker, J.; Bürger, V.

Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Climate accounting for green electricity (10/2018 - 11/2018)

Seebach, D.; Bracker, J.

Commissioned by: MAN Truck & Bus AG

German lignite industry – historic development, ressources, technology, economic structures and environmental effects (02/2016 - 08/2018)

Matthes, F.; Greiner, B.; Hermann, H.

Commissioned by: Agora Energiewende

Lignite opencast mine Hambach: Climate protection and energy management necessity (07/2018 - 08/2018)

Bauknecht, D.; Flachsbarth, F.; Vogel, M.

Commissioned by: BUND Landesverband Nordrhein Westfalen e.V.

Expertise on options to adapt or change the indicator system in the German Building Code (10/2017 - 04/2018)

Bürger, V.; Braungardt, S.; in cooperation with ECOFYS; German Energy Agency (dena); Prognos AG

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Study on the use of tax incentives to increase the diffusion of thermal retrofit measures and renewable energies in buildings (10/2017 - 04/2018)

Braungardt, S.; Bürger, V.; in cooperation with German Energy Agency (dena)

Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Integrating a carbon floor price in the policy mix for Germany's coal phase-out (11/2017 - 03/2018)

Ludig, S.; Cook, V.; Hermann, H.; Loreck, C.; Matthes, F.

Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

4. Regional and communal energy and climate protection policy

Optimised integration of thermal aquifer storage in district heating systems (07/2022 - 06/2025)
Köhler, B.; Ganal, I.; Timpe, C.; Wingenbach, M.; in cooperation with Friedrich-Alexander-Universität Erlangen-Nürnberg; Geothermie Neubrandenburg ; Hamburg Institut Research gGmbH (HIR)
Funded by: German Federal Ministry of Education and Research (BMBF)

joint-project: EmPowerPlan - regional planning of the energy transition - participation and justice on site and the big picture in mind; single-project: Power - big pictures and participation (08/2022 - 01/2025)

Wingenbach, M.; Brohmann, B.; Flachsbarth, F.; Koch, M.; Krieger, S.; Mbah, M.; Winger, C.; in cooperation with Institute for Futures Studies and Technology Assessment (IZT); Reiner Lemoine Institute

Funded by: Federal Ministry for Economic Affairs and Climate Action (BMWK)

100% climate-neutral energy supply - the contribution of Baden-Württemberg and its twelve regions (12/2021 - 02/2023)

Koch, M.; Bauknecht, D.; Bürger, V.; Flachsbarth, F.; Ganal, I.; Winger, C.

Commissioned by: BUND Landesverband Baden-Württemberg e.V.

Development of scenarios for achieving the new climate protection targets (10/2021 - 07/2022)

Bürger, V.; Ganal, I.; in cooperation with Hamburg Institut Consulting GmbH (HIC); Prognos AG

Commissioned by: Behörde für Umwelt, Klima, Energie und Agrarwirtschaft Hamburg

Expert Report Climate Neutrality Munich 2035 (12/2020 - 03/2022)

Timpe, C.; Hesse, T.; Kenkmann, T.; Palacios, S.; Reise, J.; Zimmer, W.; in cooperation with Hamburg Institut Consulting GmbH (HIC); INTRAPLAN Consult GmbH

Commissioned by: City of Munich

Update of the Climate Protection Concept for the Archdiocese of Freiburg with the goal / vision of climate neutrality by 2030 (07/2019 - 07/2021)

Kenkmann, T.; Hesse, T.; Winger, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: Archdiocese of Freiburg

Update of the climate protection concept of the Protestant Regional Church in Baden (EKIBA) for the period 2022 - 2032 (07/2019 - 07/2021)

Kenkmann, T.; Hesse, T.; Winger, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: Protestant Regional Church in Baden

Requirements and options to comply with the obligation to use renewable energies in existing buildings enacted in the Hamburg Climate Protection Act (HmbKliSchG) and the resulting costs for building owners (04/2020 - 04/2021)

Bürger, V.; Braungardt, S.; Ganal, I.; in cooperation with Institute for Resource Efficiency and Energy Strategies GmbH (IREES)

Commissioned by: Behörde für Umwelt und Energie der Freien und Hansestadt Hamburg

Determination of the possibilities for reducing the heat demand and development of solution paths for a climate-neutral heat supply in the city of Munich (04/2020 - 03/2021)

Timpe, C.; Braungardt, S.; Bürger, V.; Cludius, J.; Rausch, L.; Wingenbach, M.; in cooperation with Research Center for Energy Economics

Commissioned by: Stadtwerke München

New gas-fired power plants in Bavaria – Energy-economic significance and financing options

(10/2019 - 11/2020)

Timpe, C.; Koch, M.; Palacios, S.

Commissioned by: Bündnis 90/Die Grünen parliamentary group in the Bavarian Parliament

Statement on the plans for a reduced use of coal at the cogeneration plant Wedel in Hamburg

(08/2020 - 09/2020)

Timpe, C.; Gores, S.; Rausch, L.

Commissioned by: Wärme Hamburg GmbH

Project management within the update of the Integrated Energy and Climate Protection Concept Baden-Württemberg (10/2018 - 08/2020)

Bürger, V.; Bauknecht, D.; Böttcher, H.; Kenkmann, T.; Ritter, D.; Scheffler, M.; Wiegmann, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Hamburg Institut Consulting GmbH (HIC)

Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg

Literature study about water balance and silviculture (07/2020 - 08/2020)

Reise, J.; Böttcher, H.; Hennenberg, K.; Urrutia, C.

Commissioned by: Nature And Biodiversity Conservation Union (NABU)

Evaluation of the Renewable Heat Law Baden-Württemberg (01/2017 - 06/2020)

Bürger, V.; Kenkmann, T.; in cooperation with ECONSULT - Environment Energy Education; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Energy and Environmental Research (ifeu)

Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg

Development of a monitoring approach for the use of waste heat in companies in Baden-Württemberg (03/2019 - 03/2020)

Braungardt, S.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg

Service contract for the development of the Integrated Climate Protection Plan 2025 for the federal state of Hessen, including subsequent monitoring, communication and public participation in the plan (10/2015 - 12/2019)

Wiegmann, K.; Heinemann, C.; Hennenberg, K.; Hünecke, K.; Kenkmann, T.; Koch, M.; in cooperation with Climate-Babel; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institut Wohnen und Umwelt GmbH (IWU); Potsdam Institute for Climate Impact Research (PIK); UmbauStadt GbR

Commissioned by: Hessen Agentur GmbH

City of Offenburg - Evaluation of the municipal support programme for building refurbishment (10/2018 - 07/2019)

Kenkmann, T.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: City Offenburg

City of Freiburg: Update of 2018 Climate Protection Plan (01/2018 - 09/2018)

Kenkmann, T.; Braungardt, S.; Minnich, L.; Timpe, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: City of Freiburg im Breisgau

CO2-free administration of the State of Berlin: Starting balance sheet and action plan (11/2016 - 06/2018)

Kenkmann, T.; Winger, C.; in cooperation with Berliner Energieagentur

Commissioned by: Senate Department for Urban Development and the Environment Berlin

Conducting the external evaluation within the framework of the project “MehrWert NRW” (Value Added for North Rhine-Westphalia) (10/2016 - 04/2018)

Schumacher, K.; Brohmann, B.; Repenning, J.; Schumacher, H.; Wiegmann, K.; Zell-Ziegler, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)

Commissioned by: Verbraucherzentrale Nordrhein-Westfalen (VZ-NRW)