References
Energy & Climate
April 2021
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 170 staff, including 120 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

Flying high or staying grounded? The relation of aviation and climate protection  
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Siemons, A.; Cames, M.; Cook, V.; Gores, S.; Graichen, J.; Graichen, V.; Liste, V.; Schneider, L.; Winger, C.
Commissioned by: Oeko-Institut e.V.

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  
(in progress)
Commissioned by: European Commission, DG Climate Action

LAND use based MitigAtion for Resilient Climate pathways  
(in progress)
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)

Decarbonisation and electrification potentials in German industry - data, actors and models  
(in progress)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)
Transparent monitoring in practice: supporting post-Paris land use sector mitigation  
(in progress)
See also: www.transparentmonitoring.org
Böttcher, H.; Benndorf, A.; Hennenberg, K.; Reise, J.; 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)

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

Capacity Building Emissions Trading to support bilateral cooperation  
(in progress)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Ambitious GHG mitigation in the agricultural sector: Analysis of sustainable mitigation potential in selected countries  
(in progress)
Siemons, A.; Böttcher, H.; Fallasch, F.; Liste, V.; Moosmann, L.; Scheffler, M.; Schneider, L.; Wiegmann, K.; in cooperation with NewClimate – Institute for Climate Policy and Global Sustainability gGmbH
Commissioned by: German Environment Agency (UBA)

Framework agreement concerning analysis and method development for Article 6 of the Paris Agreement  
(in progress)
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  
(in progress)
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)
Technical support for the UNFCCC negotiations on the rules, modalities and procedures for Articles 6.2 and 6.4 of the Paris Agreement *(in progress)*

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

**Accelerated global climate protection by 2030** *(in progress)*

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)*

Technical support to increase the overall transparency capacities in developing countries under the Initiative for Climate Action Transparency *(in progress)*

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

Environmental policy transfer: Identification and systematisation of its success factors *(in progress)*

*Commissioned by: German Environment Agency (UBA)*

Donation project 2020 Criteria for sustainable hydrogen import *(in progress)*

See also: [https://www.oeko.de/fileadmin/aktuelles/flyer-spendenprojekt2020.pdf](https://www.oeko.de/fileadmin/aktuelles/flyer-spendenprojekt2020.pdf)

*Commissioned by: Oeko-Institute e.V.*

Potentials for ‘result-based payments’ in the forest sector under the Paris Agreement *(in progress)*

Böttcher, H.; Fallasch, F.; Liste, V.; Schneider, L.; Siemons, A.; in cooperation with Center for International Forestry Research (CIFOR)
*Commissioned by: German Environment Agency (UBA)*

Impact of financial market products on biodiversity - Concepts, risks & opportunities *(in progress)*

Reise, J.
*Commissioned by: Oeko-Institute e.V.*
Systematic analysis of the design of new and updated NDCs under the Paris Agreement *(in progress)*
Moosmann, L.; Fallasch, F.; 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. *(in progress)*
Harthan, R.; Moosmann, L.; Scheffler, M.; Schneider, L.
*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)*

Expert Working Group on Benchmarking for the Chinese ETS *(in progress)*
Healy, S.; Graichen, V.; Hermann, H.
*Commissioned by: ICF Consulting*

Jörß, W.; Liste, V.; Ludig, S.; Schneider, L.; in cooperation with Öko-Research
*Commissioned by: European Commission, DG Climate Action*

Influence of market structures and market regulation on the carbon market in China, Mexico, South Korea, California and the EU *(in progress)*
Healy, S.; Cludius, 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)*

Analyses on the global carbon market *(in progress)*
Schneider, L.; Cames, M.; Healy, S.; Siemons, A.; in cooperation with adelphi consult GmbH
*Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)*

Land use as a sector for market mechanisms under Article 6 of the Paris Agreement *(in progress)*
*Commissioned by: German Environment Agency (UBA)*

Development of a methodology for assessing the quality of carbon offset credits *(in progress)*
*Commissioned by: World Wide Fund For Nature International (WWF United States)*
Consultancy and support for the implementation of the German "Alliance for development and climate"  
Schneider, L.  
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Options for regulating aviation  
Schneider, L.; 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  
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  
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  
See also: https://gggi.org/report/summary-report-designing-governance-structures  
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)  
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Capacity building for the establishment of emissions trading schemes (ETS) in China (ETS in China)  
Matthes, F.  
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
Gold Standard Voluntary Market (2020)
Schneider, L.
Commissioned by: The Gold Standard Foundation

Review of the GIZ Accounting manual and tool (2020)
Harthan, R.; Schneider, L.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Greenhouse gas removals versus e-fuels in aviation (2020)
Cames, M.; Chaudry, S.; Cook, V.; Göckeler, K.; Kasten, P.; Kurth, S.; Sutter, J.
Commissioned by: Transport & Environment

Analysis, aggregation and assessment of Member States’ information on climate finance received under the Monitoring Mechanism Regulation (MMR) (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

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" (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 (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. (2020)
Commissioned by: German Environment Agency (UBA)

International climate negotiations: Issues at stake in view of the COP25 UN Climate Change Conference in Madrid (2019)
Moosmann, L.; Cames, M.; Löschen, B.; Schneider, L.; Siemons, A.
Commissioned by: European Union - European Parliament
Analysis and assessment of the design of an offsetting system for international aviation (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) (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) (2019)
Schneider, L.; Siemons, A.; in cooperation with Carbon Limits AS; Stockholm Environment Institute Boston (SEI-US)
Commissioned by: ClimateWorks Foundation

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 (2019)
Healy, S.; Graichen, J.
Commissioned by: Seas at Risk (SAR)

Development of a sectoral market based approach in developing countries (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)

Healy, S.; Cludius, J.; Graichen, J.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Analysis of current developments on the global carbon market (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 (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 (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 (2018)
Healy, S.; Cames, M.
Commissioned by: European Union - European Parliament

Accounting for internationally linked ETS under Article 6.2 of the Paris Agreement (2018)
Cames, M.; Cludius, J.
Commissioned by: International Carbon Action Partnership (ICAP)

Review and Update of Viet Nam’s Nationally Determined Contribution – energy sector (2018)
Harthan, R.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Study on mapping the development of the international carbon market (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

Healy, S.; Cludius, J.; Graichen, J.; Graichen, V.; Greiner, B.; Matthes, F.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Sektoral decomposition and sensitivity analysis of GHG emissions in the context of the Colombian NDC (2018)
Graichen, J.; Förster, H.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
Greenhouse Gas (GHG) Inventory Training for Mali (2018)
Harthan, R.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Advice on and support of bilateral energy partnerships with developing and emerging countries (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 (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 (2018)
See also: https://www.transparency-partnership.net/documents-tools/ndc-accounting-rules
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Climate protection in maritime transportation (2017)
Keimeyer, F.; Cames, M.; in cooperation with CE Delft; MARENA; University of Rostock
Commissioned by: German Environment Agency (UBA)

Study on EU Financing of REDD+ readiness activities, and results-based payments pre- and post-2020: sources, cost-effectiveness and fair allocation of incentives (2017)
Böttcher, H.; Herold, A.; Herrmann, L.; Siemons, A.; in cooperation with Center for International Forestry Research (CIFOR); COWI Denmark Holding A/S
Commissioned by: European Commission, DG Climate Action

Negotiations pertaining to flexible mechanisms in the international carbon market within the framework of UN negotiations for an international climate agreement (2017)
Graichen, J.; Cames, M.; Graichen, V.; Healy, S.; in cooperation with Transport Analysis and Knowledge Systems (TAKS)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)
Briefing on "Key issues at stake at the 71st session of the IMO Marine Environment Protection Committee (MEPC/71)" (2017)
Graichen, J.; Cook, V.; in cooperation with CE Delft
Commissioned by: European Union - European Parliament

Support for the development of new and enhancement of existing measurement, reporting and verification modalities under the UNFCCC (2017)
Commissioned by: European Commission, DG Climate Action

Strengthening independent monitoring of GHG emissions from land activities for publishing, comparing and reconciling estimates (2017)
Böttcher, H.; Herold, A.; Herrmann, L.; Siemons, A.; in cooperation with Center for International Forestry Research (CIFOR); International Institute for Applied Systems Analysis (IIASA); Wageningen University & Research
Commissioned by: European Commission, DG Climate Action

Expert support for international climate negotiations on air and maritime transport (2017)
Cames, M.
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Evaluating the GHG mitigation contribution of global, regional and national initiatives beyond the UNFCCC (2016)
Graichen, J.; Healy, S.; Siemons, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); NewClimate – Institute for Climate Policy and Global Sustainability gGmbH
Commissioned by: German Environment Agency (UBA)

Initial assessment of project proposals in 2016 for Germany’s International Climate Initiative (2016)
Graichen, J.; Healy, S.; Scheffler, M.
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Reduction commitments and fair burden sharing in a new comprehensive climate protection agreement post-2020 ("post-2020 targets") (2015)
Schumacher, K.; Cames, M.; Herold, A.; Siemons, A.; in cooperation with Climate Analytics; ECOFYS; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Wuppertal Institut für Klima, Umwelt, Energie gGmbH
Commissioned by: German Environment Agency (UBA)
Support for the introduction of a greenhouse gas national inventory system (GHG-NIS) in Morocco (2016)
Harthan, R.; in cooperation with Enviro Consulting International (Morocco); Interprofessional Technical Centre for Studies on Air Pollution (CITEPA)
Commissioned by: Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

Scientific support to the German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety with regard to transparency of reporting and review under the UNFCCC (2016)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Preparation of the 2nd EU biennial report under the UNFCCC (2016)
Commissioned by: European Commission, DG Climate Action

Briefing on "Main options for a GMBM at ICAO during its High-level Meeting in May 2016" (2016)
Cames, M.; Cook, V.; in cooperation with Hans Pulles
Commissioned by: European Union - European Parliament

Going beyond 40% – options to ensure LULUCF maintains the high environmental integrity of the EU climate and energy package (2016)
Böttcher, H.; Graichen, J.
Commissioned by: Fern

Briefing on "Key issues at stake at the 69th session of the IMO Marine Environment Protection Committee (MEPC/69)" (2016)
Cames, M.; Cook, V.; Graichen, J.; in cooperation with CE Delft
Commissioned by: European Union - European Parliament

Instruments to increase global mitigation efforts before 2020 – economic and policy implications for selected industrial and important developing countries (2016)
Schumacher, K.; Healy, S.; Zell-Ziegler, C.; in cooperation with Aether – Oxford Centre for Innovation (Aether); ECOFYS; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)
Commissioned by: German Environment Agency (UBA)
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Briefing on “Issues at stake at the 10th session of the ICAO Committee on Aviation Environmental Protection (CAEP10)” (2016)
Cames, M.; Graichen, J.; in cooperation with Hans Pulles
Commissioned by: European Union - European Parliament

2 European energy and climate protection policy

Scientific analyses for implementation and further development of the EU climate protection framework until 2030 (in progress)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Technical support for RES policy development and implementation – Simplification of permission and administrative procedures for RES installations (RES SIMPLIFY) (in progress)
Seebach, D.; Bauknecht, D.; Braungardt, S.; Vogel, M.; in cooperation with Eclareon; SolarPower Europe; WindEurope
Commissioned by: European Commission, DG Energy

Renewable Heating and Cooling Pathways, Measures and Milestones for the implementation of the recast Renewable Energy Directive and full decarbonisation by 2050 (in progress)
Braungardt, S.; Bürger, V.; Köhler, B.; 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

Achieving of targets and ambition raising with EU climate protection legislation in medium (2030) as well as in the long term (2050+) perspective (in progress)
Gores, S.; Böttcher, H.; Fallasch, F.; Graichen, J.; Liste, V.; Nissen, C.; Reise, J.; Siemons, A.; Zell-Ziegler, C.; in cooperation with Ecologic Institut gGmbH
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Support to the assessment of the Long-Term Strategies of EU Member States (in progress)
Gores, S.; Emele, L.; Förster, H.; in cooperation with Ekonerg; Flemish Institute of Technologic Research (VITO); Institute for European Environmental Policy; Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV
Commissioned by: European Commission, DG Climate Action
Jörß, W.; Hünecke, K.; Liste, V.; Ludig, S.; Schumacher, K.; in cooperation with Öko-Recherche
Commissioned by: European Commission, DG Climate Action

Analysis, aggregation and assessment of Member States’ information on climate finance (in progress)
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

European Topic Centre on Climate change Mitigation and Energy (2019 – 2021) (in progress)
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.; in cooperation with Aether – Oxford Centre for Innovation (Aether); Czech Hydrometeorological Institute (CHMI); EMISIA; Environment Agency Austria; Flemish Institute of Technologic Research (VITO); 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
Commissioned by: European Environment Agency (EEA)

Verification of the suitability of the method proposed to produce early CO2 emission estimates (2019 – 2021) (in progress)
Scheffler, M.; Anderson, G.; Cook, V.; Emele, L.; Nissen, C.
Commissioned by: European Commission, Directorate General ESTAT

Policy Support for Heating and Cooling Decarbonisation (in progress)
Braungardt, S.; Bürger, V.; Köhler, B.; Palacios, S.; Winger, C.; in cooperation with Trinomics BV
Commissioned by: European Commission, DG Energy

Effectiveness of EU emissions trading: Identification and analysis of the main drivers of emissions development in selected sectors and countries (in progress)
Matthes, F.; Emele, L.; Graichen, J.; Graichen, V.; Hermann, H.; Lettow, F.; Loreck, C.; Mendelevitch, R.; Nissen, C.; in cooperation with INFRAS AG
Commissioned by: German Environment Agency (UBA)

Participation in the ESD Review 2020 (in progress)
Harthan, R.; Jörß, W.; in cooperation with Environment Agency Austria
Commissioned by: European Commission, DG Climate Action
Eurostat - Review on climate change related statistics  *(in progress)*  
Ludig, S.; Böttcher, H.; Emеле, 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

Structural development of the EU ETS after 2020  *(in progress)*  
Commissioned by: German Environment Agency (UBA)

Renewable Space Heating under the Revised Renewable Energy Directive  *(in progress)*  
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  *(in progress)*  
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 (IREE); Tilia GmbH; Vienna University of Technology  
Commissioned by: European Commission, DG Energy

Recognition of GOs from Greece and Slovakia  *(in progress)*  
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 Support for an impact assessment on measures to address the risk of carbon leakage in the light of any increase in climate ambition.  *(in progress)*  
Healy, S.; Graichen, V.  
Commissioned by: European Commission, DG Climate Action

Analysis of competitiveness and carbon leakage risk of European industries  *(in progress)*  
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 \textit{(in progress)}

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; Flemish Institute of Technologic Research (VITO); Ricardo Energy & Environment (Ricardo-AEA)

\textit{Commissioned by: European Commission, DG Energy}

Supporting Fluorinated Greenhouse Gas Policies, Lot 3: HFC Price and Phase-down monitoring \textit{(in progress)}

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

\textit{Commissioned by: European Commission, DG Climate Action}

Supporting Fluorinated Greenhouse Gas Policies, Lot 2: Domestic Support \textit{(in progress)}

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-Researche; verico SCE (Societas Cooperativa Europaea)

\textit{Commissioned by: European Commission, DG Climate Action}

Preparation of a handbook on relevant data concepts in the EU ETS \textit{(in progress)}


\textit{Commissioned by: German Environment Agency (UBA)}

Assessment of the functioning of the MSR \textit{(in progress)}

Graichen, J.; Cludius, J.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA)

\textit{Commissioned by: European Commission, DG Climate Action}

Recognition of GOs from Portugal \textit{(in progress)}

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

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

\textit{Commissioned by: German Environment Agency (UBA)}

Exploratory Analysis of an EU Land Sink Target \textit{(in progress)}

Böttcher, H.; Reise, J.

\textit{Commissioned by: Greenpeace}
References as per april 2021 – Energy & Climate

Study to assess legislative options to boost production and uptake of Sustainable Aviation Fuels in the EU (in progress)
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

Capacity building to facilitate implementation of the Effort Sharing legislation, with focus on ex-post evaluation and policy lessons learned (in progress)
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 Flemish Institute of Technologic Research (VITO); Ricardo Energy & Environment (Ricardo-AEA); Wageningen University & Research
Commissioned by: European Commission, DG Climate Action

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

Böttcher, H.; Hennenberg, K.; Reise, J.
Commissioned by: European Commission, DG Energy

Concept Development "Hard Additionality" (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 (2020)
Commissioned by: European Commission, DG Energy

Study contract - Assessment of potential carbon leakage in the third and fourth trading phase of EU Emissions Trading System (2020)
Commissioned by: European Commission, DG Climate Action
Climate protection and Implementation of the EU Energy Union – Further development of EU climate policies (2020)
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) (2020)
Matthes, F.; Gores, S.; Graichen, J.; Graichen, V.; Nissen, C.
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Support for the assessment of the Long-Term Strategies of EU Member States (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 Flemish Institute of Technologic Research (VITO); Institute for European Environmental Policy; Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV
Commissioned by: European Commission, DG Climate Action

Reform of VAT rates on animal and plant products in eight EU countries (2020)
Scheffler, M.; Wiegmann, K.
Commissioned by: Greenpeace Germany

Services relating to an implementing and delegated act under the Governance Regulation (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 (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) (2020)
Commissioned by: German Federal Environmental Foundation (DBU)
RGI PAC Modelling 2030 (2020)
Ritter, D.; Koch, M.
Commissioned by: Renewables Grid Initiative e.V.

Scientific analyzes on the implementation and further development of the EU climate protection framework by 2030 (2020)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

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 (2020)
See also: https://www.isi.fraunhofer.de/content/dam/isi/dokumente/sustainability-innovation/2020/
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 (2020)
Ludig, S.; Blepp, M.; Emele, L.; Jörß, W.; in cooperation with Öko-Rescherche
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 (2020)
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 (2020)
Graichen, J.; Fallasch, F.; Gores, S.; Matthes, F.
Commissioned by: Agora Energiewende
EU Ambition 2030 (2020)
Matthes, F.
*Commissioned by: European Climate Foundation (ECF)*

Constitutional and European legal issues surrounding the further development of the EU Emissions Trading Directive (2020)
Keimeyer, F.; Cames, M.; Gailhofer, P.; Graichen, V.; Hermann, H.; Jörg, 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 (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 (2019)
Moosmann, L.; Anderson, G.; Böttcher, H.; Jörg, W.; Siemons, A.; in cooperation with Flemish Institute of Technologic Research (VITO); Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV; Wageningen Environmental Research (Alterra)
*Commissioned by: European Commission, DG Climate Action*

See also: [http://www.climatedialogue.eu](http://www.climatedialogue.eu)
Emele, L.; in cooperation with Association négaWatt (négaWatt); DTU Management Engineering, Technical University of Denmark (DTU); Ecologic Institut gGmbH; 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; Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)
*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 (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 (2019)
See also: https://www.nature-und-erneuerbare.de/projektdatenbank/projekte/fortschrittliche-biokraftstoffe/
Funded by: Federal Agency for Nature Conservation (BfN)

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 (2019)
Bauknecht, D.; in cooperation with [TIK] TIK Centre for Technology, Innovation and Culture - University of Oslo
Commissioned by: TIK Centre for Technology, Innovation and Culture - University of Oslo

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 (2019)
Jörß, W.; Anderson, G.; Ludig, S.; in cooperation with Öko-Rescherche
Commissioned by: European Commission, DG Climate Action

Service contract for supporting F-gas policies (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-Rescherche; Prof. Michael Kauffeld (MIKADO); Royal Institute of Technology (KTH)
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 (2019)
Graichen, V.; Cludius, J.; Healy, S.; Rausch, L.; Schumacher, K.; in cooperation with Trinomics BV
Commissioned by: European Commission, DG Climate Action
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; Flemish Institute of Technologic Research (VITO); 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)
Funded by: European Environment Agency (EEA)

Requirements and possibilities for an EU-wide standardisation or harmonisation of guarantees of origin and disclosure systems (2018)
Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with Becker Büttner Held PartGmbH
Commissioned by: German Environment Agency (UBA)

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) (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) (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 (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) (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) (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) (2018)
Cames, M.
Commissioned by: European Union - European Parliament

Analysis and aggregation of Member States’ information on climate finance (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 (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 (2018)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Analytical study: Energy and MFF (2018)
Siemons, A.; Förster, H.; in cooperation with Trinomics BV
Commissioned by: European Union - European Parliament

Analysis of the interactions between new market mechanisms and emissions trading systems (2017)
Healy, S.; Cames, M.; Harthan, R.; in cooperation with adelphi consult GmbH; NewClimate – Institute for Climate Policy and Global Sustainability gGmbH
Commissioned by: German Environment Agency (UBA)
Annual review of Member States' greenhouse gas inventories under the Effort Sharing Decision (2017)
Herold, A.; Anderson, G.; Harthan, R.; in cooperation with Environment Agency Austria
Commissioned by: European Commission, DG Climate Action

The Vision Scenario for the European Union – 2017 Update for the EU-28 (2017)
Matthes, F.; Blanck, R.; Cook, V.; Zimmer, W.
Commissioned by: European Commission - European Parliament

Evaluating EU import data for HFCs from different sources to support the implementation of the F-gas Regulation (2017)
Anderson, G.; Greiner, B.; Jörß, W.; Scheffler, M.
Commissioned by: European Commission, DG Climate Action

Study on impacts on resource efficiency of future EU demand for bioenergy (2017)
Böttcher, H.; Hennenberg, K.; Hünecke, K.; Reise, J.; Wiegmann, K.; in cooperation with European Forest Institute (EFI); Indufor Oy (Finland); Institute for European Environmental Policy; International Institute for Applied Systems Analysis (IIASA)
Commissioned by: European Commission, DG Environment

Scientific support in the analysis and further development of the implementation of the EU-Effort Sharing Decision (2017)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Briefing for the ENVI delegation to Warsaw, Poland on 18-20 September 2017 (2017)
Herold, A.; Gores, S.; Hermann, H.; Siemons, A.; in cooperation with Lidia Wojtal
Commissioned by: European Union - European Parliament

Briefing for the ENVI delegation to the Porto Marghera refinery in Venice on 17 – 19 July (2017)
Siemons, A.; Böttcher, H.; Hennenberg, K.
Commissioned by: European Union - European Parliament

Modelling of emissions trading in the context of EU energy and climate measures: a market and feasibility study for ETS-specific models (2017)
Schumacher, K.; Förster, H.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)
Commissioned by: German Environment Agency (UBA)
Improving the accounting of renewable electricity in transport within the new EU Renewable Energy Directive (2017)
Timpe, C.; Bracker, J.; Kasten, P.; Seebach, D.
Commissioned by: Transport & Environment

Study on the impact assessment for a new Directive mainstreaming deployment of renewable energy and ensuring that the EU meets its 2030 renewable energy target (2017)
Bauknecht, D.; Bürger, V.; Haller, M.; Heinemann, C.; Ritter, D.; Vogel, M.; in cooperation with Artelys; Becker Büttner Held PartGmbH; Eclareon; Energy Research Centre of the Netherlands (ECN); Foundation for Environmental Energy Law; Hannah Heinemann; Rebel Group
Commissioned by: European Commission, DG Energy

Efficiency and effectiveness of the EU ETS – extended analyses (2017)
Schumacher, K.; Cludius, J.; Loreck, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Institute for Economic Research (DIW)
Commissioned by: German Environment Agency (UBA)

Analysis and aggregation of Member States' information on climate finance reported under Article 16 of the MMR for a report on EU climate finance provided to developing countries at COP22 (2017)
Herold, A.; Herrmann, L.; Jörß, W.; Siemons, A.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV
Commissioned by: European Commission, DG Climate Action

Maximizing the impact of public sector procurement of renewable electricity via green public procurement guidelines (2017)
Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with imug Beratungsgesellschaft mbH; Local Governments for Sustainability (ICLEI)
Commissioned by: European Commission, DG Energy

Herold, A.; Anderson, G.; Harthan, R.; in cooperation with Environment Agency Austria
Commissioned by: European Commission, DG Climate Action
Commissioned by: European Commission, DG Energy

Support to the Commission and Member States on EU ETS monitoring, reporting, verification and accreditation (2016)
Herald, A.; Gores, S.; in cooperation with SQ Consult B.V.
Commissioned by: European Commission, DG Climate Action

Update of the quantitative analysis of the 2030 EU GHG target (2016)
Graichen, J.
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Research study on European Energy Industry Investments (2016)
Ludig, S.; Flachsbarth, F.; Graichen, V.; in cooperation with Aether – Oxford Centre for Innovation (Aether); Trinomics BV
Commissioned by: European Union - European Parliament

Study to support an impact assessment of possible Aviation EU ETS Directive review (2016)
Cames, M.; Gores, S.; Graichen, J.; Graichen, V.; Healy, S.; in cooperation with Institute for Climate Economics (I4CE); Ricardo Energy & Environment (Ricardo-AEA)
Commissioned by: European Commission, DG Climate Action

Briefing on "Climate action and the Emissions trading system (ETS) in China" (2016)
Cames, M.; Healy, S.; Matthes, F.
Commissioned by: European Union - European Parliament

Hennenberg, K.
Commissioned by: Federal Agency for Nature Conservation (BfN)
Study on climate finance reporting, including methodological issues, producing overview information and assessing emerging requirements (2016)
Herold, A.; Greiner, B.; Healy, S.; Herrmann, L.; Siemons, A.; in cooperation with CAOS – Borboletas e Sustentabilidade
Commissioned by: European Commission, DG Climate Action

Possible streamlining of climate and energy reporting requirements in areas with interlinkages (2016)
Commissioned by: European Commission, DG Climate Action

Assessing the status of electrification of the road transport passenger vehicles and potential future implications for the environment and European energy system (2016)
Hacker, F.; Bracker, J.; Haller, M.; Kasten, P.; in cooperation with Netherlands Organisation for Applied Scientific Research (TNO); Transport and Mobility Leuven; Trinomics BV
Commissioned by: European Environment Agency (EEA)

Support to the Commission with the preparation of the initial report for the second commitment period of the Kyoto Protocol (2016)
Herold, A.; Anderson, G.; Böttcher, H.; Cook, V.; Gores, S.; Jörß, W.; Scheffler, M.; Siemons, A.; in cooperation with Environment Agency Austria
Commissioned by: European Commission, DG Climate Action

Energy transition in the electricity sector in Europe: How things stand in 2015 (2016)
Ritter, D.; Emele, L.; Heinemann, C.; Rausch, L.
Commissioned by: Agora Energiewende

Assessment of the first years of EU ETS Phase Three Allocations – Assessment of the first years of the functioning of the new allocation system based on benchmarks (2016)
Schumacher, K.; Cludius, J.; Graichen, V.; Greiner, B.; Healy, S.; Zell-Ziegler, C.; in cooperation with CE Delft; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Ricardo Energy & Environment (Ricardo-AEA)
Commissioned by: European Commission, DG Climate Action
Annual review of Member States' greenhouse gas inventories under the Effort Sharing Decision in 2015  (2016)
Herold, A.; Anderson, G.; Harthan, R.; in cooperation with Aether – Oxford Centre for Innovation (Aether); Benviroc Oy; Danish Centre For Environment And Energy (DCE); Environment Agency Austria; Flemish Institute of Technologic Research (VITO); Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Öko-Recherche; OonKAY! (Netherlands); Swedish Environmental Research Institute (IVL Sweden); veQsr.o (Slovakia)
Commissioned by: European Commission, DG Climate Action

3 German energy and climate protection policy

3.1 German energy and climate protection policy – cross sector

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

GHG projections: "Policy scenarios for climate protection X" (in progress)
Commissioned by: German Environment Agency (UBA)

Scientific monitoring of the DENEFF project "Green Recoverthon: Economy goes up again, CO2 emissions stay down - Participatory consensus mobilization". (in progress)
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)

The role of energy sufficiency in the energy transition and society - Subproject: Impact chains of sufficiency (in progress)
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)
SIROP - Towards Scenario Interoperability. Subproject: Conceptualising knowledge transfer. Research on scenario comparisons. Further development of the OEP and the Open Energy Ontology. *(in progress)*

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

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

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**Evaluation of the federal funding program "Promotion of energy efficiency in the Private Sector"** *(in progress)*

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)*

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**Transformation to a completely greenhouse gas neutral Germany** *(in progress)*

Harthan, R.; Benndorf, A.; Blanck, R.; Böttcher, H.; Bulach, W.; Bürger, V.; Emele, L.; Ganal, I.; Hennenberg, K.; Jörß, W.; Ludig, S.; Moosmann, L.; Reise, J.; Repenning, J.; Scheffler, M.; Sutter, J.; Wiegmann, K.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Fraunhofer-Institut für Energiewirtschaft und Energiesystemtechnik (Fraunhofer IEE)

*Commissioned by: German Environment Agency (UBA)*

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**Evaluation, monitoring and adjustment as well as further development of the German National Climate Initiative (NKI)** *(in progress)*

Repenning, J.; Braungardt, S.; Jörß, W.; Keimeyer, F.; Kenkmann, T.; Liste, V.; Ludig, S.; Nissen, C.; Noka, V.; Rausch, L.; Reise, J.; Schumacher, K.; Siemons, A.; 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-Rühlow; 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)*

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**ENSURE: New Energy Grid Structures for Energy Transition (Phase II)** *(in progress)*

See also: [https://www.kopernikus-projekte.de/projekte/ensure](https://www.kopernikus-projekte.de/projekte/ensure)

Timpe, C.; Bauknecht, D.; 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

*Commissioned by: German Federal Ministry of Education and Research (BMBF)*
Increasing public awareness and interest in environmental information - strategies and tools to increase reach, visibility and utilization  
*in progress*
Scherf, C.; Brunn, C.; Förster, H.; Siemons, A.; in cooperation with tippingpoints – agency for sustainable communication GmbH  
*Commissioned by: German Environment Agency (UBA)*

Evaluation of public participation – Improving planning and permitting of major environmentally-relevant projects through participation of citizens and environmental organisations  
*in progress*
Schütte, S.; Dieroff, J.; Hünecke, K.; Repenning, J.; Schumacher, K.; Warich, I.; Wolff, F.  
*Commissioned by: German Environment Agency (UBA)*

**Expert support for Germany’s 2018 Climate Policy and Programme of Measures**  
*in progress*
*Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)*

**H2-SO - hydrogen technologies southern Rhine river**  
*in progress*
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-Wuerttemberg*

Implementation of the Climate Action Programme 2020 – scientific support of the implementation of the measures of the Action Programme  
*in progress*
*Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)*
Climate Protection Scenario 2050 (in progress)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Evaluation of combined heat and power - Analyses on the development of combined heat and power in an energy system with a high share of renewable energies (in progress)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

GHG projection: Advancement of the methods and implementation of the EU Effort Sharing Decision in the projection report 2019 ("Policy scenarios IX") (in progress)
Commissioned by: German Environment Agency (UBA)

Development of the investment situation of commercial cogeneration plants and perspectives for subsidy strategies (in progress)
Gores, S.; Braungardt, S.; Loreck, C.; Mendelevitch, R.; Rausch, L.; in cooperation with Prognos AG
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Rethinking economic efficiency: Investment decisions in the service of environmental protection (in progress)
Commissioned by: German Environment Agency (UBA)
Legal guidance for the German Climate Action Plan and legal implementation (in progress)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Database for climate and energy scenarios (ScenarioDB): Research of scenario data and exemplary extension of OpenEnergy database. (in progress)
Förster, H.; Emele, L.; Liste, V.; Winger, C.; in cooperation with Fraunhofer Institute for Wind Energy and Energy System Technology (Fraunhofer IWES); Otto von Guerike University Magdeburg; Reiner Lemoine Institute
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

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 (in progress)
Commissioned by: German Environment Agency (UBA)

Regulatory experimental spaces for the reflective and adaptive governance of innovations (in progress)
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; Uni Göttingen
Funded by: German Federal Ministry of Education and Research (BMBF)

National emissions trading: Conceptual advice on data-related questions of scope (in progress)
Commissioned by: German Environment Agency (UBA)

Climate neutral Germany 2050 (in progress)
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

Ex-post evaluation of benefits and costs of environmental legislation (in progress)
Hünecke, K.; Baron, Y.; 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 *(in progress)*
*Commissioned by: German Environment Agency (UBA)*

Pilot Project Decentralisation - Greater decentralisation of the German electricity-heat system: Legal and organisational framework and infrastructural consequences *(in progress)*
*Commissioned by: Ministry of the Environment, Energy, Food and Forestry (Rheinland-Pfalz)*

Transformative strategies for integrated district development (TRASIQ2): Testing of measures *(in progress)*
*Funded by: German Federal Ministry of Education and Research (BMBF)*

Thinking ahead to sustainable consumption *(in progress)*
Bürger, V.; Braungardt, S.; Kenkmann, T.; Köhler, B.
*Commissioned by: German Environment Agency (UBA)*

Germany on the way to climate neutrality: What opportunities and risks does digitalisation present? *(2020)*
Braungardt, S.
*Commissioned by: KfW Group*

Sustainable consumption: evaluation and further development of measures and instruments *(2020)*
Schumacher, K.; Griesshammer, R.; 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)*

Communicative monitoring of the implementation of the climate protection plan 2050 *(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)*
Transformative strategies for an integrated urban quarter development: plans of action and assessment options for German high-influx cities (2020)
See also: www.trasiq.de
Hesse, T.; Bleher, D.; Braunagard, 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)

Strategies and recommendations for the ecological structural change towards a green economy (2020)
Heyen, D.; Hünecke, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)
Commissioned by: German Environment Agency (UBA)

Kopernikus ENSURE - New ENErgy Grid StructURes for Energy Transition (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)

Valuation and introduction strategies for heavy goods vehicles with overhead lines – StratON (2019)
Funded by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Climatefriendly transport: implementation strategies for greenhouse gas reductions in the transport sector in 2030 and 2050 (2019)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
Expert support for the preparation of the German government’s Climate Action Plan 2050 (2019)
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 (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 (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 (2019)
Funded by: German Federal Ministry of Education and Research (BMBF)

Revision of the TREMOD model for aviation 2019 (2019)
Gores, S.; Zell-Ziegler, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Environment Agency (UBA)

Evaluation, monitoring and adjustment as well as further development of the German National Climate Initiative (NKI) (2019)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
Macroeconomic effects of the changeover expenditure for environment-related legislative projects (2019)  
Schumacher, K.; Hünecke, K.; Nissen, C.  
Commissioned by: German Environment Agency (UBA)

Assessment of the environmental, social and economic impacts of the sector targets for 2030 of the Federal Government’s Climate Action Plan 2050 (2019)  
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 (2019)  
Heinemann, C.; Bauknecht, D.; Bracker, J.; Gensch, C.; Winger, C.  
Funded by: Stiftung Zukunftserbe

Model based scenario analysis of energy transition in the German electricity system within the context of future development possibilities in Europe up to 2050 (2019)  
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Scientific support on aspects of developing a governance system for the 2030 climate and energy framework (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)

Developing instruments for reducing energy consumption through changes in behaviour (2018)  
Commissioned by: German Environment Agency (UBA)

Effects of sectoral coupling in the heating sector on the energy costs of private consumers (2018)  
Bürger, V.; Braungardt, S.; Cludius, J.  
Commissioned by: Federation of German Consumer Organisations (vzbv)
Decomposition analysis of energy-related greenhouse gas emissions with a focus on the expansion of renewable energy (2018)
Förster, H.; Emelé, 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)

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 (2018)
Braungardt, S.; Hunecke, 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)

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") (2018)
Commissioned by: German Environment Agency (UBA)

Availability and use of biogenic waste and residues in the energy system (electricity, heat and transport sector) (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 (2018)

Research coordination of the funding initiative "An environmentally and socially compatible transformation of the German energy system" (2018)
Funded by: German Federal Ministry of Education and Research (BMBF)
Perspectives of citizen participation in Germany’s energy transition taking into account distributional issues: Energy Poverty (2017)
Funded by: German Federal Ministry of Education and Research (BMBF)

Perspectives on public participation for energy transition under consideration of distribution aspects: Analysis of an optimal way to integrate battery storage into the grid (2017)
Heinemann, C.; Bauknecht, D.; Gensch, C.; Vogel, M.; in cooperation with Institute for Social-Ecological Research Ltd. (ISOE)
Funded by: German Federal Ministry of Education and Research (BMBF)

Transition to a Green Economy: Necessary structural changes for and enablers of a viable implementation in Germany (2017)
Commissioned by: German Environment Agency (UBA)

Approaches to the further development of Germany’s public finances for the purposes of environmental protection (2017)
Keimeyer, F.; Emele, L.; Graichen, V.; Schumacher, K.; in cooperation with Environmental Policy Research Centre - Freie Universität Berlin (FFU); Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS); Institute of Economic Structures Research (GWS)
Commissioned by: German Environment Agency (UBA)

Integration of the heat and cooling sector in the PowerFlex electricity model to analyse cross-sectoral effects on climate targets and the integration of renewable energies (2016)
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Approaches to present and assess the national emission development including the EU ETS (2016)
Gores, S.; Graichen, J.; Hermann, H.
Commissioned by: German Environment Agency (UBA)

Methodological adaptation of the German GHG emission inventories to the revised "UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention“ (2016)
Commissioned by: German Environment Agency (UBA)
RELIS – Resource-efficient infrastructures that are fit for the future (2016)
Mottschall, M.; Bauknecht, D.; Vogel, M.; Winger, C.; in cooperation with German Institute of Urban Affairs (Difu)
Commissioned by: German Environment Agency (UBA)

Potential study for a renewable energy system in the supply area of Elektrizitätswerke Schönau (2016)
Commissioned by: Elektrizitätswerke Schönau (EWS)

Ranking of flexibility options according to environmental criteria and the impact on the energy system of new power plants (2016)
See also: https://www.oeko.de/fileadmin/oekodoc/OEkologische_Flexibilitaetsoptionen.pdf
Commissioned by: Greenpeace Energy eG

Development of a concept for achieving national energy-saving goals by 2020 and by 2050, considering relevant EU regulations, in the context of an integral climate and energy policy (Action plan for energy efficiency) (2016)
Bürger, V.; Cludius, J.; Förster, H.; Keimeyer, F.; Kenkmann, T.; Schumacher, K.; in cooperation with ECOFYS; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies GmbH (IREES)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Development of an Energy Costs Index for German industry (2016)
Matthes, F.; Greiner, B.; in cooperation with German Institute for Economic Research (DIW)
Commissioned by: European Climate Foundation (ECF)

Further development of the strategy of the German National Climate Initiative: Optimization of the support program with a view to implementation of national climate targets (2016)
Repenning, J.; Brohmann, B.; Jörß, W.; Kenkmann, T.; Schüler, D.; Schumacher, K.; in cooperation with Arepo Consult; Dr. Hans-Joachim Ziesing; Ecologic Institut gGmbH; Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)
3.2 German energy and climate protection policy – sector specific

Decentralised energy transition in between social justice, system costs and (in progress)
Vogel, M.; Bauknecht, D.; Heinemann, C.; Wingenbach, M.; in cooperation with Germanwatch e.V.
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Technical support for climate policy - measures in the field of energy production and transport (in progress)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Kopernikus project Ariadne - Evidence-Based Assessment for the Design of the German Energy System Transformation - (in progress)
See also: https://ariadneprojekt.de/
Köhler, B.; Braungardt, S.; Bürger, V.; Hesse, T.; in cooperation with adelphi research gGmbH; Brandenburg University of Technology; 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)

Heat transition: The Energiewende in the heating sector – Targets and policy instruments for the decarbonization of the heating supply (in progress)
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)
Analyses and assessments of the climate protection impact of instruments and measures for greenhouse gas reduction in transport, development of design options  
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Direct Marketing of renewable energies and further marketing models for renewable energies  
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  
See also: www.ok-power.de  
Seebach, D.; Bürger, V.; Timpe, C.; Wingenbach, M.  
Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Transdisciplinary Research for a Social and Ecological Metropolis Research Network Ecornet Berlin - Subproject  
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

Model comparison of electricity grid models in the European context  
Koch, M.; Flachsbart, 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)
MODEX model intercomparison  (in progress)
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)*

Climate protection in land-based transport through emissions trading and offset systems - risk analysis  (in progress)
*Commissioned by: German Environment Agency (UBA)*

Systemic monitoring and modelling of the bioeconomy  (in progress)
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)*

Support of BASE in the process analysis of the site selection procedure  (in progress)
*Commissioned by: Federal Office for the Safety of Nuclear Waste Management (BASE)*

Enabling energy revolution: realizing infrastructures fast and sustainably  (in progress)
Schütte, S.; Bauknecht, D.; Flachsbarth, F.; Vogel, M.
*Commissioned by: Oeko-Institute e.V.*

Agenda Heat Transition 2021  (in progress)
Bürger, V.; Braungardt, S.; in cooperation with Hamburg Consult GmbH
*Commissioned by: Stiftung Klimaneutralität; Agora Energiewende*

Sustainable cooling in buildings in Europe – Concepts for avoiding heat islands and for a comfortable indoor climate  (in progress)
Braungardt, S.; in cooperation with ECOFYS
*Commissioned by: German Environment Agency (UBA)*

Analysis of the Post-EEG Situation for Wind and PV Powerplants in Germany  (in progress)
Palacios, S.; Seebach, D.; Wingenbach, M.
*Commissioned by: Verein zur Förderung von Nachhaltigkeit und Marktttransparenz in der Energiewirtschaft (EnergieVision e.V.)*
References as per April 2021 – Energy & Climate

Implementation of KWSB recommendations (section 2): Interaction of a decommissioning measure with the electricity market (in progress)
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)

Scientific analyses of current climate policy issues in the field of energy efficiency, particularly in the industry, tertiary sector and buildings sectors (in progress)
Bürger, V.; Braungardt, S.; Cludius, J.; Hesse, T.; Keimeyer, F.; Kenkmann, T.; Köhler, B.; 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)

Investigation of instruments and measures to develop the additional renewable energy expansion required from a climate protection perspective (in progress)
Commissioned by: German Environment Agency (UBA)

Climate protection in air and maritime transport: Options for meeting emission targets (in progress)
Cames, M.; Böttcher, H.; Graichen, J.; Healy, S.; Kasten, P.; Kühnel, S.; Mottschall, M.; Nissen, C.; in cooperation with CE Delft; German Aerospace Center (DLR)
Commissioned by: German Environment Agency (UBA)

Distributional effects and social aspects of climate policy measures in the areas of housing and mobility (in progress)
Funded by: Federal Ministry of Labour and Social Affairs

Enera demonstration project wind (in progress)
See also: http://energie-vernetzen.de/
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)
The energy system of the future in the 'solar arch' of Southern Germany  
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  
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)  
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  
Kenkmann, T.; Fischer, C.; 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  
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  
Scheffler, M.; Wiegmann, K.  
Commissioned by: Germanwatch e.V.

National restrictions on fossil fuels in heating systems in the context of the Ecodesign Directive  
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** (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** (2020)
Böttcher, H.; Hünecke, K.; Scheffler, M.; Wiegmann, K.
*Commissioned by: Stiftung Zukunftserbe*

**Evaluation of the measure "National efficiency label for old heating systems"** (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)** (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)*

**Social design of GHG mitigation in the German transport sector: Distributional effects of policies and measures** (2020)
*Commissioned by: Agora Verkehrswende*

**Sustainable utilization of resources – requirements for a sustainable bio-based economy as part of the implementation of Agenda 2030/SDGs** (2020)
Hünecke, K.; Hennenberg, K.; in cooperation with Ecologic Institut gGmbH; University of Sussex
*Commissioned by: German Environment Agency (UBA)*

See also: [https://www.agora-energiewende.de/eegrechner/](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 (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)

Scale up! Emission-free airport vehicles (2019)
Hacker, F.; Bracker, J.; Bulach, W.; Haller, M.; Kühnel, S.; Minnich, L.; Seebach, D.; in cooperation with Flughafens Stuttgart GmbH (Stuttgart Airport); Losch Airport Service GmbH
Funded by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development (2019)
Seebach, D.; Wingenbach, M.
Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Comparative analysis of electricity storage systems - application scenarios, economic and ecological evaluation (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) (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)

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 (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 (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  
(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  
(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  
(2019)
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Environmental assessment of different transport types in Germany  
(2019)
Bergmann, T.; Bracker, J.; Mottschall, M.; Seebach, D.; in cooperation with INFRAS AG; Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Environment Agency (UBA)

Industrial waste heat recovery  
(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-Wuerttemberg

Quantification of GHG mitigation potential  
(2019)
Scheffler, M.; Wiegmann, K.
Commissioned by: Klima-Allianz Deutschland

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development  
(2018)
Seebach, D.; Bracker, J.; Bürger, V.
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See also: https://www.agora-energiewende.de/eegrechner/
Ritter, D.; Haller, M.; Loreck, C.
Commissioned by: Agora Energiewende

Climate accounting for green electricity (2018)
Seebach, D.; Bracker, J.
Commissioned by: MAN Truck & Bus AG

German lignite industry – historic development, ressources, technology, economic structures and environmental effects (2018)
Matthes, F.; Greiner, B.; Hermann, H.
Commissioned by: Agora Energiewende

Lignite opencast mine Hambach: Climate protection and energy management necessity (2018)
Bauknecht, D.; Flachsbart, F.; Vogel, M.
Commissioned by: BUND LV NRW e.V.

Expertise on options to adapt or change the indicator system in the German Building Code (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 (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 (2018)
Ludig, S.; Cook, V.; Hermann, H.; Loreck, C.; Matthes, F.
Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)

Perspectives on public participation for energy transition under consideration of distribution aspects: Taking social factors on development of the grid into account (2017)
Koch, M.; Flachsbart, F.; Timpe, C.; Winger, C.; in cooperation with Europa-Universität Flensburg; Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Institute for Futures Studies and Technology Assessment (IZT); Kulturwissenschaftliche Institut in Essen (KWI)
Funded by: German Federal Ministry of Education and Research (BMBF)
Support of EnergieVision e.V. with respect to management of the organisation and to strategy development (2017)
Seebach, D.; Bracker, J.; Bürger, V.
Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Perspectives of citizen participation in Germany's energy transition including consideration of distribution issues: Low temperature district heating networks and citizen energy as transformation strategies (2017)
Bürger, V.; Braungardt, S.; Gensch, C.; Kenkmann, T.; in cooperation with German Institute of Urban Affairs (Difu)
Funded by: German Federal Ministry of Education and Research (BMBF)

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2017)
See also: https://www.agora-energiewende.de/veroeffentlichungen/eeg-rechner-fuer-excel/
Ritter, D.; Haller, M.; Loreck, C.
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The role of skilled craft companies for reaching the German energy efficiency targets for buildings (2017)
Kenkmann, T.; Braungardt, S.
Funded by: German Federal Ministry of Education and Research (BMBF)

Decentralization, regionalisation and power grid infrastructures: Meta-study on assumptions, insights and narratives (2017)
Matthes, F.; Flachsbarth, F.; Vogel, M.
Commissioned by: Renewables Grid Initiative e.V.

Recognition of imported guarantees of origin (2017)
Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with Becker Büttner Held PartGmbH
Commissioned by: German Environment Agency (UBA)

Increasing transparency with regard to the need to expand the electricity transmission grid (2017)
See also: www.transparenz-stromnetze.de
Funded by: German Federal Ministry of Education and Research (BMBF)
Nexus resource efficiency and land use: approaches to a multidimensional environmental assessment of resource efficiency  
Böttcher, H.; Gsell, M.; Hennenberg, K.; Scheffler, M.; Wiegmann, K.; Wolff, F.; in cooperation with Leibniz Institute for Agricultural Engineering Potsdam-Bornim; University of Applied Forest Sciences Rottenburg
Commissioned by: German Environment Agency (UBA)

Revision of Annex 1 of the 
Seebach, D.; Rüdenauer, I.
Commissioned by: Senate Department for Urban Development and the Environment Berlin

RegMex Project: Model experiments and comparisons for the simulation of paths towards a fully renewable energy supply system  
Koch, M.; Flachsbarth, F.; Winger, C.; in cooperation with German Aerospace Center (DLR)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Climate-neutral building stock 2050 II  
Bürger, V.; Hesse, T.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)
Commissioned by: German Environment Agency (UBA)

Development of a market-based mechanism or emissions trading scheme for aviation that is optimal from an ecological and economic perspective as a reference and benchmark for the market-based mechanism negotiated under ICAO  
Gores, S.; Cames, M.; Graichen, V.; Keimeyer, F.; in cooperation with CE Delft; Transport Analysis and Knowledge Systems (TAKS)
Commissioned by: German Environment Agency (UBA)

Forest Vision Germany - Plan B for German forests  
Böttcher, H.; Hennenberg, K.; Winger, C.
Commissioned by: Greenpeace

Workshop on the further development of a regulatory innovation zone instrument  
Heinemann, C.; Bauknecht, D.; in cooperation with Becker Böttner Held PartGmbH; Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK Consult)
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg
Analysis and dialogue for ensuring the carbon emission advantage of e-mobility (2017)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Renewable vs. fossil power systems: comparison of costs (2017)
Matthes, F.; Cook, V.; Heinemann, C.; Ludig, S.; Ritter, D.
Commissioned by: Agora Energiewende

Scientific study on the development in energy consumption and measures to promote product-related energy efficiency (2016)
Bürger, V.; Hesse, T.; Quack, D.
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2016)
Haller, M.; Graichen, V.; Hermann, H.; Loreck, C.; Ritter, D.; in cooperation with Agora Energiewende
Commissioned by: Agora Energiewende

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development (2016)
Seebach, D.; Bracker, J.; Bürger, V.
Commissioned by: Verein zur Förderung von Nachhaltigkeit und Markttransparenz in der Energiewirtschaft (EnergieVision e.V.)

Review and classification of technical approaches and stakeholder structures for optimizing decentralized sub-systems of the energy system (2016)
Bauknecht, D.; Bürger, V.; Heinemann, C.; Ritter, D.; Vogel, M.; in cooperation with Dr. Langniß - Energie und Analyse
Commissioned by: German Environment Agency (UBA)

Climate Protection in the electricity sector – Comparison of instruments to reduce emissions (2016)
Hermann, H.; Cook, V.; Greiner, B.; Keimeyer, F.; Loreck, C.; Ritter, D.; in cooperation with Büro für Energiewirtschaft und technische Planung GmbH (BET Aachen); Prof. Dr. Stefan Klinski
Commissioned by: German Environment Agency (UBA)
Electric mobility as a building block of energy transition (Energiewende) and climate protection: Development of an energy and transport analysis instrument for modelling the contribution of electric mobility (2016)
Zimmer, W.; Blanck, R.; Förster, H.; Hacker, F.; Hülsmann, F.; Kasten, P.; Mottschall, M.; Schumacher, K.; von Waldenfels, R.; Zell-Ziegler, C.; in cooperation with German Aerospace Center (DLR); INFRAS AG; Institute for Energy and Environmental Research (ifeu); tippingpoints – agency for sustainable communication GmbH
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Expert analysis of Germany's heat and cooling market and preparation of the progress report on German Renewable Energies Heating Act (EEWärmeG) (2016)
Bürger, V.; Hesse, T.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Aerospace Center (DLR); Karlsruhe Institute of Technology (KIT)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Climate protection and cogeneration: Current developments in the context of economic conditions and technological progress (2016)
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

Gores, S.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Environment Agency (UBA)

Position paper on the use of biogenic raw materials in emulsion paints (2016)
Hennenberg, K.; Hünecke, K.
Commissioned by: CAPAROL Farben Lacke Bautenschutz GmbH

4 Regional and communal energy and climate protection policy

Expert Report Climate Neutrality Munich 2035 (in progress)
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 (in progress)
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 (in progress)
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 (in progress)
Bürger, V.; Braungardt, S.; 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 (in progress)
Timpe, C.; Braungardt, S.; Bürger, V.; Cludius, J.; Rausch, L.; Schumacher, K.; 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 (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 (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 (2020)
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg
Literature study about water balance and silviculture  (2020)
Reise, J.; Böttcher, H.; Hennenberg, K.; Urrutia, C.
Commissioned by: Nature And Biodiversity Conservation Union (NABU)

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  (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  (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  (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  (2018)
Kenkmann, T.; Braungardt, S.; 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  (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) (2018)
Schumacher, K.; 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)

Expert analysis "Climate Action Target and Strategy Munich 2050" (2017)
Kenkmann, T.; Hesse, T.; Rausch, L.; Timpe, C.; Winger, C.; in cooperation with Klaus Hoppe Consulting
Commissioned by: City of Munich

Energy and Climate Protection Scenarios for 2030 (2017)
Bürger, V.; Förster, H.; Greiner, B.; Hennenberg, K.; Scheffler, M.; Wiegmann, K.; in cooperation with Center for Solar Energy and Hydrogen Research (ZSW); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Energy and Environmental Research (ifeu)
Funded by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg

Preparation of the first progress report in accordance with § 9 of the Climate Protection Act for Baden-Württemberg (2017)
Kenkmann, T.; Hesse, T.; in cooperation with Center for Solar Energy and Hydrogen Research (ZSW)
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg

Small private forests in Germany based on the example of Baden-Württemberg: Energy wood supply and regional value creation, new competition for use and aspects of sustainable management (2017)
Hennenberg, K.; Hünecke, K.
Commissioned by: Fachagentur Nachwachsende Rohstoffe e.V. (FNR)

Consultancy services regarding an early closure of the coal-fired cogeneration power plant in Munich-Nord (2016)
Timpe, C.; Rausch, L.
Commissioned by: Stadtwerke München