References
Energy & Climate
March 2022

Making transformations equitable
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 Ecomet (Ecological Research Network).

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

Energy & Climate

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

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

Our work further involves the assessment of energy and climate policy instruments such as flexible mechanisms under the Kyoto Protocol, electricity certification schemes and portfolio standards for combined heat and power. In addition, our researchers strive to foster the sustainable development of towns, cities and regions by providing support to programs like Local Agenda 21.
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Seebach, D.; Bauknecht, D.; Braungardt, S.; Vogel, M.; in cooperation with Eclareon; SolarPower Europe; WindEurope  
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Braungardt, S.; Bürger, V.; Ganal, I.; 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
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Wiegmann, K.; Scheffler, M.; in cooperation with University of Rostock
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Commissioned by: German Environment Agency (UBA)

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

Workshop on the 2030 Climate target plan (2021)
Graichen, J.; Böttcher, H.; Cook, V.; Gores, S.; Wissner, N.; in cooperation with Bellassen, Valentin; Cambridge Econometrics Limited; CE Delft; Ecologic Institut gGmbH; Forestry.com; Scheelhaase, Dr. Janina
Commissioned by: European Parliament, Directorate General for Internal Policies

Study on Support for an impact assessment on measures to address the risk of carbon leakage in the light of any increase in climate ambition. (2021)
Healy, S.; Graichen, V.; in cooperation with Ricardo Energy & Environment (Ricardo-AEA); Trinomics BV
Commissioned by: European Commission, DG Climate Action

Support to the Energy Union Governance process, including for the assessment of the Integrated National Energy and Climate Plans (2021)
Förster, H.; Emele, L.; Fallasch, F.; Gores, S.; Graichen, J.; Koch, M.; Liste, V.; Moosmann, L.; Noka, V.; Winger, C.; in cooperation with COWI Denmark Holding A/S; Environment Agency Austria; Flemish Institute of Technologic Research (VITO); Ricardo Energy & Environment (Ricardo-AEA)
Commissioned by: European Commission, DG Energy

Analysis of competitiveness and carbon leakage risk of European industries (2021)
Schumacher, K.; Cludius, J.; Graichen, V.; Healy, S.; in cooperation with CE Delft; Ecologic Institut gGmbH
Commissioned by: German Environment Agency (UBA)

Jörß, W.; Anderson, G.; Liste, V.; Ludig, S.; in cooperation with Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Öko-Researche
Commissioned by: European Commission, DG Climate Action

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

Preparation of a handbook on relevant data concepts in the EU ETS (2021)
Commissioned by: German Environment Agency (UBA)

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

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

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

Capacity building to facilitate implementation of the Effort Sharing legislation, with focus on ex-post evaluation and policy lessons learned (2021)
See also: https://www.oeko.de/forschung-beratung/projekte/pr-details/capacity-building
 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)

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

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

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)

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

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

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)

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)

RGI PAC Modelling 2030 (2020)
Ritter, D.; Koch, M.
Commissioned by: Renewables Grid Initiative e.V.

Wolff, F.; Kampffmeyer, N.; Loreck, C.; Prakash, S.; Scherf, C.; in cooperation with adelphi consult GmbH
Commissioned by: German Environment Agency (UBA)

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.; Emelé, L.; Jörß, W.; in cooperation with Öko-Recherche
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
Cludius, J.; Nissen, C.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)
Commissioned by: Stiftung Energieforschung Baden-Württemberg

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.; Jörß, W.; Schütte, S.; in cooperation with Ecologic Institut gGmbH; Prof. Dr. Stefan Klinski
Commissioned by: German Environment Agency (UBA)

Further development of EU ETS in the aviation sector in the light of the implementation of a global market-based measure by the ICAO  (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.; Jörß, 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
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 Zusamenarbeit GmbH (GIZ)

Nature protection and advanced biofuels (2019)
See also: https://www.natur-und-erneuerbare.de/projektdatenbank/fortschrittliche-biokraftstoffe/
Böttcher, H.; Hennenberg, K.; Hermann, A.; Hünecke, K.; Schütte, S.; Wolff, F.; in cooperation with Bosch & Partner GmbH; Eberswalde University for Sustainable Development (HNE); Institute for Energy and Environmental Research (ifeu)
Funded by: Federal Agency for Nature Conservation (BfN)

In-depth analysis on EU Environment and Climate Change Policies - State of play, current and 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

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

Service Contract for technical work to support the implementation of Regulation (EU) No 517/2014, including preparations for a withdrawal of the United Kingdom from the EU (2019)
Jörß, W.; Anderson, G.; Ludig, S.; in cooperation with Öko-Recherche
Commissioned by: European Commission, DG Climate Action
Support to the Commission for the determination of the Carbon Leakage List post-2020 under the EU Emission Trading System (2019)
Graichen, V.; Cludius, J.; Healy, S.; Rausch, L.; Schumacher, K.; in cooperation with Trinomics BV
Commissioned by: European Commission, DG Climate Action

Service contract for supporting F-gas policies (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); Óko-Recherche; Prof. Michael Kauffeld (MIKADO); Royal Institute of Technology (KTH)
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

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 Union - European Parliament

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

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)

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
References as per march 2022 – Energy & Climate

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

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

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)

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
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

3. German energy and climate protection policy

3.1 German energy and climate protection policy – cross sector

The role of energy sufficiency in the energy transition and society - Sub-project: Impact chains of sufficiency (in Bearbeitung)
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)

Socio-technical and behavioural aspects of energy efficiency improvement in the heating sector (in Bearbeitung)
Commissioned by: German Environment Agency (UBA)

SIROP - Towards Scenario Interoperability
Subproject: Conceptualising knowledge transfer. Research on scenario comparisons. Further development of the OEP and the Open Energy Ontology. (in Bearbeitung)
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)
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 Bearbeitung)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

The contribution of economic instruments to achieving climate protection goals: The role of government-determined energy price components in the instrument mix

(in Bearbeitung)
Hünecke, K.; Blanck, R.; Braungardt, S.; Bürger, V.; Cludius, J.; Ganal, I.; Kasten, P.; Keimeyer, F.; Kreye, K.; Liste, V.; Mendelevitch, R.; Schumacher, K.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS); Institute of Economic Structures Research (GWS); Prof. Dr. Stefan Klinski
Commissioned by: German Environment Agency (UBA)

Evaluation of the federal funding program "Promotion of energy efficiency in the Private Sector"

(in Bearbeitung)
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)

Transformation to a completely greenhouse gas neutral Germany

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

Social aspects of environmental policy - Part 1: Analysis and implications for environmental policy making

(in Bearbeitung)
Hanke, G.; Braungardt, S.; Cludius, J.; Förster, H.; Hünecke, K.; Kenkmann, T.; Liste, V.; Schumacher, K.; Wolff, F.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS); Institute for Social-Ecological Research Ltd. (ISOE); Tübingen University; Zebralog GmbH & Co. KG
Commissioned by: German Environment Agency (UBA)
GHG projections: "Policy scenarios for climate protection X" (in Bearbeitung)

Evaluation, monitoring and adjustment as well as further development of the German National Climate Initiative (NKI) (in Bearbeitung)
Repenning, J.; Braungardt, S.; Jörß, W.; Keimeyer, F.; Kenkmann, T.; Liste, V.; Ludig, S.; Nissen, C.; Noka, V.; Rausch, L.; Reise, J.; Schumacher, K.; Winger, C.; Wissner, N.; Zell-Ziegler, C.; in cooperation with Dr. Kerstin Tews; Ecologic Institut gGmbH; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Ice-TeX-Ingenieurbüro, Sponholz-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)

ENSURE: New Energy Grid Structures for Energy Transition (Phase II) (in Bearbeitung)
See also: https://www.kopernikus-projekte.de/projekte/ensure
Timpe, C.; Bauknecht, D.; Flachsbarth, F.; Ganal, I.; Haller, M.; Heinemann, C.; Hennenberg, K.; Koch, M.; Palacios, S.; Ritter, D.; Seebach, D.; Vogel, M.; in cooperation with Aachen University (RWTH); Hitachi ABB Power Grids; Karlsruhe Institute of Technology (KIT); Schleswig-Holstein Netz AG; Siemens AG; TenneT TSO GmbH
Funded by: German Federal Ministry of Education and Research (BMBF)

Increasing public awareness and interest in environmental information - strategies and tools to increase reach, visibility and utilization (in Bearbeitung)
Scherf, C.; Brunn, C.; Siemons, A.; in cooperation with tippingpoints – agency for sustainable communication GmbH Commissioned by: German Environment Agency (UBA)

Climate protection scenarios 2050: Modelling, analysis and comparison of target scenarios (in Bearbeitung)
Expert support for Germany’s 2018 Climate Policy and Programme of Measures (in Bearbeitung)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Data concepts - advice on data issues with regard to the nETS (including documentation) (in Bearbeitung)
Commissioned by: German Environment Agency (UBA)

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

CO2 pricing and the reform of taxes and levies on electricity (in Bearbeitung)
Commissioned by: Stiftung Klimaneutralität

H2-SO - hydrogen technologies southern Rhine river (in Bearbeitung)
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

GHG projection: Advancement of the methods and implementation of the EU Effort Sharing Decision in the projection report 2019 ("Policy scenarios IX") (in Bearbeitung)
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 Bearbeitung)
Schütte, S.; Hünecke, K.; Repenning, J.; Schumacher, K.; von Vittorelli, L.; Wolff, F.; in cooperation with Consulimus AG; Independent Institute for Environmental Issues (UfU); Prof. Dr. Jens Newig
Commissioned by: German Environment Agency (UBA)

Impact assessment of regulatory and fiscal measures to promote plant-based diets and reduce meat consumption. (2021)
Förster, H.; Hünecke, K.; Liste, V.; Scheffler, M.; Wiegmann, K.; Wissner, N.
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Development of the investment situation of commercial cogeneration plants and perspectives for subsidy strategies (2021)
Gores, S.; Braungardt, S.; Liste, V.; Loreck, C.; Mendelevitch, R.; Rausch, L.; in cooperation with Prognos AG
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Implementation of the Climate Action Programme 2020 – scientific support of the implementation of the measures of the Action Programme (2021)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Climate Protection Scenario 2050 (2021)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
Evaluation of cogeneration - Analyses on the development of combined heat and power in an energy system with a high share of renewable energies (2021)
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Rethinking economic efficiency: Investment decisions in the service of environmental protection (2021)
Commissioned by: German Environment Agency (UBA)

Legal guidance for the German Climate Action Plan and legal implementation (2021)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Hydrogen Strategy 2.0 - Systematic elaboration of the relevant fields of action with a view to establishing a hydrogen economy as the fourth pillar of the energy transition towards climate neutrality (2021)
Matthes, F.; Braungardt, S.; Bürger, V.; Heinemann, C.; Hermann, H.; Kasten, P.; Mendelevitch, R.; Seebach, D.
Commissioned by: Stiftung Klimaneutralität

Scientific monitoring of the DENEFF project "Green Recoverthon: Economy goes up again, CO2 emissions stay down - Participatory consensus mobilization". (2021)
Repenning, J.; Braungardt, S.; Bürger, V.; Schumacher, K.; in cooperation with Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)
Commissioned by: German Federal Environmental Foundation (DBU)

Database for climate and energy scenarios (ScenarioDB): Research of scenario data and exemplary extension of OpenEnergy database. (2021)
Förster, H.; Emele, L.; Liste, V.; Winger, C.; in cooperation with Fraunhofer Institute for Wind Energy and Energy System Technology (Fraunhofer IWES); Otto von Guerike University Magdeburg; Reiner Lemoine Institute
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)
Regulatory experimental spaces for the reflective and adaptive governance of innovations (2021)
Bauknecht, D.; Englert, M.; Gailhofer, P.; Heyen, D.; Vogel, M.; in cooperation with Georg-August-University Goettingen, Institute for Small Business Economics (ifh Göttingen); Hochschule Darmstadt, University of Applied Sciences; Uni Göttingen
**Funded by:** German Federal Ministry of Education and Research (BMBF)

**Climate neutral Germany 2050** (2021)
Zimmer, W.; Blanck, R.; Görz, W.; Hennenberg, K.; Matthes, F.; Reise, J.; Scheffler, M.; Wiegmann, K.; in cooperation with Prognos AG; Wuppertal Institut für Klima, Umwelt, Energie gGmbH
**Commissioned by:** Agora Energiewende

Sustainable use of renewable energies for the provision of electricity, heat and cooling in energy concepts for buildings and neighbourhoods, taking account of building energy efficiency – Preliminary research (2021)
**Commissioned by:** German Environment Agency (UBA)

National emissions trading: Conceptual advice on data-related questions of scope (2021)
**Commissioned by:** German Environment Agency (UBA)

Distributional aspects of climate change (2021)
Schumacher, K.; Cludius, J.; Förster, H.; Hünecke, K.; Liste, V.; in cooperation with Forum Ökologisch-Soziale Marktwirtschaft e.V. (FÖS)
**Commissioned by:** Federal Ministry of Labour and Social Affairs

Ex-post evaluation of benefits and costs of environmental legislation (2021)
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)

Thinking ahead to sustainable consumption (2021)
Bürger, V.; Braungardt, S.; Kenkmann, T.; Köhler, B.
**Commissioned by:** German Environment Agency (UBA)
Ecological financial reform: product-related incentives as drivers for environmentally friendly production and consumption (2021)
Commissioned by: German Environment Agency (UBA)

Pilot Project Decentralisation - Greater decentralisation of the German electricity-heat system: Legal and organisational framework and infrastructural consequences (2021)
Commissioned by: Ministry of the Environment, Energy, Food and Forestry (Rheinland-Pfalz)

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

Sustainable consumption: evaluation and further development of measures and instruments (2020)
Schumacher, K.; Kampffmeyer, N.; Keimeyer, F.; Wolff, F.; in cooperation with ConPolicy - Institute for Consumer Policy; Prof. Dr. Lucia Reisch, Zeppelin University; Technische Universität Berlin
Commissioned by: German Environment Agency (UBA)

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.; Braungardt, S.; Brohmann, B.; Bürger, V.; Fischer, C.; Schönau, M.; Winger, C.; in cooperation with German Institute of Urban Affairs (Difu); Research Institute for Regional and Urban Development gGmbH (ILS); Schader-Stiftung; Team Ewen
Funded by: German Federal Ministry of Education and Research (BMBF)
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)

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)

See also: https://www.kopernikus-projekte.de/projekte/neue-netzstrukturen
Timpe, C.; Bauknecht, D.; Bracker, J.; Bürger, V.; Emele, L.; Flachsbarth, F.; Haller, M.; Heinemann, C.; Hennenberg, K.; Hesse, T.; Hünecke, K.; Koch, M.; Ritter, D.; Seebach, D.; Vogel, M.; Winger, C.; in cooperation with Aachen University (RWTH); Deutsche Umwelthilfe e. V. (DUH); E.ON; ewi Energy Research & Scenarios (ewi ER&S); Germanwatch e.V.; Karlsruhe Institute of Technology (KIT); Siemens AG; Stadtwerke Kiel; TenneT TSO GmbH
Funded by: German Federal Ministry of Education and Research (BMBF)

Expert support for the preparation of the German government's Climate Action Plan 2050 (2019)
Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Climatefriendly transport: implementation strategies for greenhousegas reductions in the transport sector in 2030 and 2050 (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)

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)
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

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)

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.; Hünecke, K.; Schumacher, K.; in cooperation with Wuppertal Institut für Klima, Umwelt, Energie gGmbH
Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)
Decomposition analysis of energy-related greenhouse gas emissions with a focus on the expansion of renewable energy (2018)
Förster, H.; Emele, L.; Graichen, J.; Loreck, C.; Nissen, C.; Rausch, L.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: German Environment Agency (UBA)

Improving the methodological foundation and elaborating a greenhouse gas emission scenario as a basis for the 2017 Projection Report within the framework of EU greenhouse gas monitoring ("Policy Scenarios VIII") (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)
Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)

Research coordination of the funding initiative "An environmentally and socially compatible transformation of the German energy system" (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)_

3.2 German energy and climate protection policy – sector specific

Evaluation of Cogeneration 2021-2025 (in Bearbeitung)
Gores, S.; Braungardt, S.; Bürger, V.; Hermann, H.; Koch, M.; Köhler, B.; Loreck, C.; Mendelevitch, R.; Nissen, C.; Rausch, L.; Zerrahn, A.; in cooperation with Fraunhofer Institute for Manufacturing Technology and Advanced Materials (Fraunhofer IFAM); Ingenieurbüro für BHKW-Planung und KWK (BHKW Consult); r2b - research to business energy consulting
_Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)_

Expert opinion on the JIT and the EPBD (in Bearbeitung)
Köhler, B.; Braungardt, S.; Bürger, V.; Cludius, J.; Ritter, D.; Schumacher, K.; Seebach, D.; in cooperation with Dresden Institute for Building Systems Engineering Research and Application (ITG); Engineering Office Prof. Dr. Hauser GmbH; Forschungsinstitut für Wärmeschutz e. V. München (FIW); Foundation for Environmental Energy Law; German Energy Agency (dena); Guidehouse Energy Germany GmbH; Institute for Energy and Environmental Research (ifeu)
_Commissioned by: Federal Agency for Energy Efficiency at the Federal Office of Economics and Export Control (BfEE)_

Recognition of imported guarantees of origin for electricity (GO) according to the Renewable Energy Directive II (RED II) (in Bearbeitung)
See also: [https://www.umweltbundesamt.de/themen/klima-energie/erneuerbare-energien](https://www.umweltbundesamt.de/themen/klima-energie/erneuerbare-energien)
Seebach, D.; Wingenbach, M.; in cooperation with Becker Büttner Held PartGmbH
_Commissioned by: German Environment Agency (UBA)_
Affordable housing and climate protection with view of housing situation and housing costs of low- and middle-income households  
_Schumacher, K.; Braungardt, S.; Bürger, V.; Cludius, J.; Hünecke, K.; Köhler, B.; Liste, V.; Noka, V.; in cooperation with Institute for Ecological Economy Research (IÖW); Prof. Steiner (FU Berlin)
_Commissioned by: Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR)_

Simplification of the requirement parameters in the energy saving right for buildings  
_Köhler, B.; Bürger, V.; in cooperation with Guidehouse Energy Germany GmbH; Prof. Dr. Stefan Klinski
_Commissioned by: German Environment Agency (UBA)_

Kopernikus project Ariadne - Evidence-Based Assessment for the Design of the German Energy System Transformation - Sub-project Sectoral Focus analysis heat transition: Identification and evaluation of instruments  
_See also: https://ariadneprojekt.de/
_Köhler, B.; Braungardt, S.; Bürger, V.; Hesse, T.; in cooperation with adelphi research gGmbH; Brandenburg University of Technology Cottbus-Senftenberg; Centre for European Economic Research; Ecologic Institut gGmbH; Foundation for Environmental Energy Law; Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Fraunhofer-Institut für Energiewirtschaft und Energiesystemtechnik (Fraunhofer IEE); German Aerospace Center (DLR); German Economic Institute; German Institute for Economic Research (DIW); Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH; Hertie School of Governance gGmbH; Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen; Institute for Advanced Sustainability Studies (IASS); Institute for Climate Protection, Energy and Mobility; Institute for Energy Economics and the Rational Use of Energy of Stuttgart University (IER); Mercator Research Institute on Global Commons and Climate Change (MCC) gGmbH; Potsdam Institute for Climate Impact Research (PIK); RWI - Rheinisch-Westfälisches Institut für Wirtschaftsforschung; Technical University of Darmstadt; Technische Universität München; Universität Hamburg; University of Münster; University of Potsdam
_Funded by: German Federal Ministry of Education and Research (BMBF)_

Heat transition: The Energiewende in the heating sector – Targets and policy instruments for the decarbonization of the heating supply  
_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)
Scientific analyses of current climate policy issues in the field of energy efficiency, particularly in the industry, tertiary sector and buildings sectors *(in Bearbeitung)*

Bürger, V.; Braungardt, S.; Cludius, J.; Ganal, I.; 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)*

Support of EnergieVision e.V. with respect to management of the organisation and to strategy development *(in Bearbeitung)*

See also: [www.ok-power.de](http://www.ok-power.de)

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

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

Climate protection in land-based transport through emissions trading and offset systems - risk analysis *(in Bearbeitung)*


*Commissioned by: German Environment Agency (UBA)*

Analyses and assessments of the climate protection impact of instruments and measures for greenhouse gas reduction in transport, development of design options *(in Bearbeitung)*


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

Technical support for climate policy - measures in the field of energy production and transport *(in Bearbeitung)*


*Commissioned by: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)*
MODEX model intercomparison  *(in Bearbeitung)*
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)*

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

Direct Marketing of renewable energies and further marketing models for renewable energies *(in Bearbeitung)*
*Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)*

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

Systemic monitoring and modelling of the bioeconomy *(2021)*
Böttcher, H.; Benndorf, A.; Hennenberg, K.; Hünecke, K.; Reise, J.; Scheffler, M.; Wiegmann, K.; Winger, C.; in cooperation with Deutsches Biomasseforschungszentrum (DBFZ); Helmholtz-Centre for Environmental Research GmbH; INFRO - Information Systems for Resources; Institute of Economic Structures Research (GWS); Meo Carbon Solutions GmbH; University of Kassel
*Funded by: German Federal Ministry of Education and Research (BMBF)*

Model comparison of electricity grid models in the European context *(2021)*
Koch, M.; Flachsbarth, F.; Palacios, S.; Wingenbach, M.; Winger, C.; in cooperation with Aachen University (RWTH); Forschungszentrum Jülich - Institute of Energy and Climate Research - Electrochemical Process Engineering (IEK-14); German Aerospace Center (DLR) - Institute of Networked Energy Systems; Karlsruhe Institute of Technology (KIT); Research Center for Energy Economics; Technische Universität Dresden; TU Dortmund University
*Funded by: Federal Ministry for Economic Affairs and Energy (BMWi)*

Update and expansion of the study "The German Lignite Industry" *(2021)*
Hermann, H.; Graichen, V.; Matthes, F.; Mendelevitch, R.; Rausch, L.
*Commissioned by: Agora Energiewende*
National phase-out regulations for fossil fuel heating (2021)
Braungardt, S.; Bürger, V.; Ganal, I.; Keimeyer, F.; Koch, M.; Vogel, M.; in cooperation with Prof. Dr. Stefan Klinski
Commissioned by: European Climate Foundation (ECF)

Support of BASE in the process analysis of the site selection procedure (2021)
Commissioned by: Federal Office for the Safety of Nuclear Waste Management (BASE)

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

Sustainable cooling in buildings in Europe – Concepts for avoiding heat islands and for a comfortable indoor climate (2021)
Braungardt, S.; Köhler, B.; in cooperation with ECOFYS
Commissioned by: German Environment Agency (UBA)

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

Implementation of KWSB recommendations (section 2): Interaction of a decommissioning measure with the electricity market (2021)
in cooperation with r2b - research to business energy consulting
Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)

Investigation of instruments and measures to develop the additional renewable energy expansion required from a climate protection perspective (2021)
Commissioned by: German Environment Agency (UBA)

Climate protection in air and maritime transport: Options for meeting emission targets (2021)
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 (2021)  
*Funded by: Federal Ministry of Labour and Social Affairs*

Enera demonstration project wind (2021)  
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 (2021)  
*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 (2021)  
Braungardt, S.; Bürger, V.; in cooperation with Guidehouse Energy Germany GmbH; Prognos AG  
*Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)*

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2020)  
*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 (2020)  
Fischer, C.; Kenkmann, T.; in cooperation with Institute for Energy and Environmental Research (ifeu); Institute for Social-Ecological Research Ltd. (ISOE)  
*Funded by: German Federal Ministry of Education and Research (BMBF)*

Systemic challenges of Germany's heat transition (2020)  
Bürger, V.; Braungardt, S.; Hesse, T.; Köhler, B.; in cooperation with Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Hamburg Institut Consulting GmbH (HIC)  
*Commissioned by: German Environment Agency (UBA)*
Improving the contribution of the Common Agricultural Policy to climate protection in the EU - Quantification of the greenhouse gas reduction potential of the GAEC standards and the Eco-Schemes (2020)
Scheffler, M.; Wiegmann, K.
Commissioned by: Germanwatch e.V.

National restrictions on fossil fuels in heating systems in the context of the Ecodesign Directive (2020)
Keimeyer, F.; Braungardt, S.; Bürger, V.; Köhler, B.; Tezak, B.; in cooperation with Prof. Dr. Stefan Klinski
Commissioned by: German Environment Agency (UBA)

Life cycle assessment of high and extra high-voltage lines in Germany (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)

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)
Social design of GHG mitigation in the German transport sector: Distributional effects of policies and measures (2020)
Blanck, R.; Cludius, J.; Görz, W.; Kreye, K.; Schönau, M.; Schumacher, K.; Zimmer, W.; in cooperation with Freie Universität Berlin
Commissioned by: Agora Verkehrswende

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)

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2019)
See also: https://www.agora-energiewende.de/eegrechner/
Ritter, D.; Haller, M.
Commissioned by: Agora Energiewende

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.)

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

Comparative analysis of electricity storage systems - application scenarios, economic and ecological evaluation (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)
**Study on aspects of the Long Term Renovation Strategy (Art, 2a of Directive 2018/844 EPBD)**  
(2019)  
Braungardt, S.; in cooperation with German Energy Agency (dena)  
*Commissioned by: Federal Ministry for Economic Affairs and Energy (BMWi)*

**Study on the buildings energy funding scheme**  
(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)  
Winger, C.; in cooperation with Prognos AG  
*Commissioned by: World Wide Fund For Nature International Germany (WWF Germany)*

**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*

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

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2018)
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.; Flachsbarth, 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 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)

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.; Flachsbarth, 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)

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2017)
(2017)
See also: https://www.agora-energiewende.de/veroeffentlichungen/eeg-rechner-fuer-excel/
Ritter, D.; Haller, M.; Loreck, C.
Commissioned by: Agora Energiewende

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)

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.)
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 (2017)
Böttcher, H.; Gsell, M.; Hennenberg, K.; Scheffler, M.; Wiegmann, K.; Wolff, F.; in cooperation with Leibniz Institute for Agricultural Engineering Potsdam-Bornim (ATB); University of Applied Forest Sciences Rottenburg
Commissioned by: German Environment Agency (UBA)

Revision of Annex 1 of the (2017)
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 (2017)
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 (2017)
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 (2017)
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 (2017)
Böttcher, H.; Hennenberg, K.; Winger, C.
Commissioned by: Greenpeace

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)

Workshop on the further development of a regulatory innovation zone instrument (2017)
Heinemann, C.; Bauknecht, D.; in cooperation with Becker Büttner Held PartGmbH; Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK Consult)
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg

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

4. Regional and communal energy and climate protection policy

100% climate-neutral energy supply - the contribution of Baden-Württemberg and its twelve regions (in Bearbeitung)
Koch, M.; Bauknecht, D.; Bürger, V.; Flachsbarth, F.; Ganal, I.; Winger, C.
Commissioned by: BUND Landesverband Baden-Württemberg e.V.

Development of scenarios for achieving the new climate protection targets (in Bearbeitung)
Ganal, I.; Bürger, V.; in cooperation with Hamburg Institut Consulting GmbH (HIC)
Commissioned by: Behörde für Umwelt, Klima, Energie und Agrarwirtschaft Hamburg
Expert Report Climate Neutrality Munich 2035 (in Bearbeitung)
Timpe, C.; Hesse, T.; Kenkmann, T.; Palacios, S.; Reise, J.; Zimmer, W.; in cooperation with Hamburg Institut Consulting GmbH (HIC); INTRAPLAN Consult GmbH
Commissioned by: City of Munich

Update of the Climate Protection Concept for the Archdiocese of Freiburg with the goal / vision of climate neutrality by 2030 (2021)
Kenkmann, T.; Hesse, T.; Winger, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: Archdiocese of Freiburg

Update of the climate protection concept of the Protestant Regional Church in Baden (EKIBA) for the period 2022 - 2032 (2021)
Kenkmann, T.; Hesse, T.; Winger, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: Protestant Regional Church in Baden

Requirements and options to comply with the obligation to use renewable energies in existing buildings enacted in the Hamburg Climate Protection Act (HmbKliSchG) and the resulting costs for building owners (2021)
Bürger, V.; Braungardt, S.; Ganal, I.; in cooperation with Institute for Resource Efficiency and Energy Strategies GmbH (IREES)
Commissioned by: Behörde für Umwelt und Energie der Freien und Hansestadt Hamburg

Determination of the possibilities for reducing the heat demand and development of solution paths for a climate-neutral heat supply in the city of Munich (2021)
Timpe, C.; Braungardt, S.; Bürger, V.; Cludius, J.; Rausch, L.; Wingenbach, M.; in cooperation with Research Center for Energy Economics
Commissioned by: Stadtwerke München

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

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-Württemberg

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.; Minnich, L.; Timpe, C.; in cooperation with Institute for Energy and Environmental Research (ifeu)
Commissioned by: City of Freiburg im Breisgau

CO2-free administration of the State of Berlin: Starting balance sheet and action plan (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.; Blanck, R.; 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

Consultancy services regarding an early closure of the coal-fired cogeneration power plant in Munich-Nord (2017)
Timpe, C.; Rausch, L.
Commissioned by: Stadtwerke München

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-Wuerttemberg
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)