

Reference List

Energy & Climate
January 2018



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

Analysis and evaluation of the implementation of an offsetting scheme for international aviation *(in progress)*

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

Commissioned by: German Environment Agency (UBA)

Analysis of current developments on the global carbon market *(in progress)*

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

Commissioned by: German Environment Agency (UBA)

Capacity building for the establishment of emissions trading schemes (ETS) in China (ETS in China) *(in progress)*

Matthes, F.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Characterisation of the European energy system *(in progress)*

Förster, H.; in cooperation with: Trinomics B.V.

Commissioned by: European Environment Agency (EEA)

Climate Protection in Maritime Transportation *(in progress)*

Keimeyer, F.; Cames, M.; in cooperation with: CE Delft; MARENA; University of Rostock

Commissioned by: German Environment Agency (UBA)

Conceptualization of a common transparency framework under the Paris Agreement. Analysis of the negotiation process and assessment of the impact on providing the information. *(in progress)*

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

Commissioned by: German Environment Agency (UBA)

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

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

Commissioned by: German Environment Agency (UBA)

Development of concepts for the implementation of new or the transformation of existing market mechanisms in a new UNFCCC climate agreement *(in progress)*

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

Commissioned by: German Environment Agency (UBA)

Expert support for international climate negotiations on air and maritime transport *(in progress)*

Cames, M.

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

Further development of EU ETS in the aviation sector in the light of the implementation of a global market-based measure by the ICAO *(in progress)*

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

Commissioned by: German Environment Agency (UBA)

Review and Update of Viet Nam's Nationally Determined Contribution – Energy Sector *(in progress)*

Harthan, R.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Scientific support of BMUB related to transparency in the Paris Agreement (Article 13 reporting and review) *(in progress)*

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

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

Study on Mapping the Development of the International Carbon Market *(in progress)*

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

Commissioned by: European Commission, DG Climate Action

Study on methods and considerations for the determination of greenhouse gas emissions reduction objectives for international shipping *(in progress)*

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

Commissioned by: European Commission, DG Climate Action

Support for the development of new and enhancement of existing measurement, reporting and verification modalities under the UNFCCC (in progress)

Herold, A.; Anderson, G.; Böttcher, H.; Cames, M.; Cook, V.; Gores, S.; Harthan, R.; Herrmann, L.; Jörß, W.; Siemons, A.; Zell-Ziegler, C.; in cooperation with: Aether – Oxford Centre for Innovation (Aether)

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 (in progress)

Graichen, V.; Cludius, J.; Healy, S.; Rausch, L.; Schumacher, K.; in cooperation with: Trinomics B.V.

Commissioned by: European Commission, DG Climate Action

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

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

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

The Global Stocktake under the Paris Agreement: Design, methodology and process (including a testing of methodology for selected states) (in progress)

Siemons, A.; Förster, H.; Healy, S.; Herold, A.; Moosmann, L.; in cooperation with: Potsdam Institute for Climate Impact Research (PIK); Wuppertal Institute for Climate, Environment and Energy

Commissioned by: German Environment Agency (UBA)

Negotiations pertaining to flexible mechanisms in the international carbon market within the framework of UN negotiations for an international climate agreement (2018)

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)

Strengthening independent monitoring of GHG emissions from land activities for publishing, comparing and reconciling estimates (2018)

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 UR (University & Research centre)

Commissioned by: European Commission, DG Climate Action

Study on EU Financing of REDD+ Readiness Activities, and Results-Based Payments pre- and post-2020: Sources, Cost-Effectiveness and Fair Allocation of Incentives (2018)

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

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

Briefing on "Issues at stake at the 10th session of the ICAO Committee on Aviation Environmental Protection (CAEP10)" (2016)

Cames, M.; Graichen, J.

Commissioned by: European Union - European Parliament

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

Briefing on "Main options for a GMBM at ICAO during its High-level Meeting in May 2016" (2016)

Cames, M.; Cook, V.

Commissioned by: European Union - European Parliament

Capacity building on emissions trading to support bilateral cooperations in 2013–2015 (2016)

Repenning, J.; Cames, M.; Cludius, J.; in cooperation with: adelphi consult

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

Commissioned by: German Environment Agency (UBA)

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

How additional is the Clean Development Mechanism? Analysis of the application of current tools and proposed alternatives (2016)

Cames, M.; Cook, V.; Harthan, R.; Healy, S.; in cooperation with: Anja Kollmuss; INFRAS; Lambert Schneider; Randall Spalding-Fecher; Stockholm Environment Institute Boston (SEI-US)

Commissioned by: European Commission, DG Climate Action

Initial assessment of project proposals in 2016 for Germany's International Climate Initiative (2016)

Graichen, J.; Healy, S.; Scheffler, M.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

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)

Preparation of the 2nd EU biennial report (2016)

Jörß, W.; Anderson, G.; Cook, V.; Förster, H.; Gores, S.; Greiner, B.; Healy, S.; Herold, A.; Schumacher, K.; Siemons, A.; in cooperation with: CAOS – Borboletas e Sustentabilidade; Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

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)

Herold, A.; Anderson, G.; Harthan, R.; Herrmann, L.; Siemons, A.

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

Support for the introduction of a greenhouse gas national inventory system (GHG-NIS) in Morocco (2016)

Harthan, R.; in cooperation with: Enviro Consulting International (Marocco); Interprofessional Technical Centre for Studies on Air Pollution (CITEPA)

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

(Good) Practice study on GHG-inventories for the waste sector in NA1-countries (2015)

Graichen, J.; Herold, A.; Scheffler, M.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Analysis and further development of climate measures in maritime transport, taking into account current developments on both international and European level (2015)

See also: <http://www.oeko.de/schiffsverkehr/>

Graichen, V.; Cames, M.; Keimeyer, F.; in cooperation with: CE Delft; RA Zimmermann, Gretz, Trautmann, Bäuerle; Stefan Seum Consulting

Commissioned by: German Environment Agency (UBA)

Development of economic climate protection instruments for international aviation (2015)

Gores, S.; Cames, M.; Graichen, V.; in cooperation with: CE Delft

Commissioned by: German Environment Agency (UBA)

Emission abatement in industrialised countries and developing countries – Costs, potentials and environmental effectiveness (2015)

See also: <https://www.umweltbundesamt.de/publikationen/sectoral-targets-as-a-means-to-reduce-global-carbon>

Schumacher, K.; Healy, S.; Linden, J.; in cooperation with: Aether – Oxford Centre for Innovation (Aether); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Expert support for National Contributions Workshop: Challenges for implementation and monitoring INDCs - Second Workshop for Latin America and the Caribbean (2015)

Herold, A.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

In-depth analysis "Emission reduction targets for international aviation and shipping" (2015)

Cames, M.; Cook, V.; Graichen, J.; Siemons, A.

Commissioned by: European Union - European Parliament

Next generation policy instruments for renewable heating and cooling (RES-H-NEXT) (2015)

Bürger, V.; in cooperation with: Meister Consultants Group

Funded by: IEA-Renewable Energy Technology Deployment

Provision of expertise in the field of Intended Nationally Determined Contributions for Vietnam – Energy and LULUCF sectors (2015)

Harthan, R.; Böttcher, H.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (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 Institute for Climate, Environment and Energy

Commissioned by: German Environment Agency (UBA)

Results-oriented financing of climate protection measures by means of purchasing carbon credits – Options for ensuring a long-term climate impact (2015)

Cames, M.; Cook, V.; in cooperation with: Carbon Limits; Lambert Schneider

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

Review of guiding questions for accounting of INDCs (2015)

Harthan, R.; Siemons, A.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Support in calculating GHG emission projections in Ghana (2015)

Harthan, R.; Siemons, A.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Support in the preparation of the first GHG inventory and BUR in the Dominican Republic (2015)

Harthan, R.; Scheffler, M.; Siemons, A.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Training on "MRV of NAMAs" in Vietnam (2015)

Harthan, R.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Analysis of flexible mechanisms in the international carbon market within the framework of UN negotiations for an international climate agreement (2014)

Cames, M.

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

Options for the continuation of GHG reductions within CDM and JI projects without other revenues (2014)

Cames, M.; in cooperation with: Lambert Schneider

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

Participation in the pilot testing phase of the Mitigation Accounting Initiative of the World Resources Institute (WRI) (2014)

Harthan, R.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Preparation and implementation of a GHG inventory workshop in the Dominican Republic (2014)

Harthan, R.; Siemons, A.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Preparation of the EU Biennial Report and EU 6th National Communication under the UNFCCC (2014)

Herold, A.; Cook, V.; Emele, L.; Förster, H.; Gores, S.; Healy, S.; Jörß, W.; Schumacher, K.; Siemons, A.; in cooperation with: CAOS – Borboletas e Sustentabilidade; Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

Renforcement des capacités et accompagnement pour l'élaboration de l'inventaire national de gaz à effet de serre (GES) en Tunisie (Oeko-Institut) (2014)

Harthan, R.; Herold, A.; in cooperation with: Interprofessional Technical Centre for Studies on Air Pollution (CITEPA)

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Speaker at the workshop 'MRV of NAMAs as a key element of National MRV Systems' in Mexico City, Mexico (2014)

Graichen, V.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Study on the development of climate negotiations in view of Lima (COP20) (2014)

Herold, A.; Siemons, A.

Commissioned by: European Union - European Parliament

Supporting the launch of the GIZ project 'Accounting rules for Non-annex-I mitigation targets' with contributions to kick off workshops in Costa Rica and Colombia. (2014)

Graichen, J.; Greiner, B.

Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Updating of data and calculation model: energy consumption and pollutant emissions of the transport sector in Germany 1960-2030 (TREMOD) for the 2015 emissions inventory (2014)

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

Workshop on greenhouse gas inventories (2014)

Harthan, R.
Commissioned by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Advisory support for "Low Carbon Development Pathways for a sustainable India" report (2013)

Matthes, F.
Commissioned by: Bread for the World (Brot für die Welt)

Analysis of options for accounting rules of a 2015 climate regime (2013)

Herold, A.; Böttcher, H.; Cames, M.; Siemons, A.; Zell-Ziegler, C.; in cooperation with: ECOFYS
Commissioned by: German Environment Agency (UBA)

Building momentum for low carbon development in the Philippines and Turkey (2013)

Matthes, F.
Commissioned by: WWF Germany

Capacity building for monitoring, reporting and verification of GHG in Mexico and Indonesia (2013)

Harthan, R.; in cooperation with: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
Commissioned by: EuropeAid

Design of the post-2012 climate regime: Sectoral approaches to GHG mitigation (2013)

Cames, M.; Harthan, R.; Healy, S.; in cooperation with: Department of Political Science of the University of Zurich; Pedro Martins Barata; perspectives climate change (perspectives)
Commissioned by: German Environment Agency (UBA)

Expert support for climate negotiations relating to air and maritime transport (2013)

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

GHG emissions of mobile sources (air transport): Comparison of the ETS and national inventories (2013)

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

Study on the development of climate negotiations in view of Warsaw (COP 19) (2013)

Herold, A.; Cames, M.; Emele, L.; Siemons, A.
Commissioned by: European Union - European Parliament

2 European energy and climate protection policy

2Scientific analyzes on the implementation and further development of the EU climate protection framework by 2030 (in progress)

Gores, S.; Böttcher, H.; Förster, H.; Graichen, J.; Herold, A.; Jörß, W.; Moosmann, L.; Siemons, A.; Zell-Ziegler, C.

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

Analysis and aggregation of Member States' information on climate finance (in progress)

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

Commissioned by: European Commission, DG Climate Action

Analysis of competitiveness and carbon leakage risk of European industries (in progress)

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

Commissioned by: German Environment Agency (UBA)

Analysis of the interactions between new market mechanisms and emissions trading systems (in progress)

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

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) (in progress)

Cames, M.; in cooperation with: CE Delft

Commissioned by: European Union - European Parliament

Climate protection and Implementation of the EU Energy Union – Further development of EU climate policies (in progress)

Bürger, V.; Bauknecht, D.; Braungardt, S.; Heinemann, C.; Hennenberg, K.; Hermann, H.; Koch, M.; Schumacher, K.; Vogel, M.; in cooperation with: adelphi consult; Regulatory Assistance Project; Stefan Scheuer Consulting; Stiftung Umweltenergierecht

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

Comprehensive review of Member States' greenhouse gas inventories under the Effort Sharing Decision in 2016 (Decision No 406/2009/EC) (in progress)

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

Commissioned by: European Commission, DG Climate Action

European Topic Centre on Air Pollution and Climate Change Mitigation (2014-2018) (in progress)

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.; 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)

Evaluation and further development of the EU emissions trading scheme from an economic perspective for the period after 2020 (EU-ETS-7) (in progress)

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)

Extended scientific analysis for the development and implementation of the EU Effort Sharing (in progress)

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

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

Framework and options for an EU-wide harmonisation of systems of guarantees of origin and electricity disclosure (in progress)

Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with: Becker Büttner Held Berlin (BBH)

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 (in progress)

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

Commissioned by: German Environment Agency (UBA)

Maintenance and development of internet database with renewable energies support schemes and related information (RES Legal Europe maintenance) (in progress)

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

Commissioned by: European Commission, DG Energy

Maximizing the impact of public sector procurement of renewable electricity via green public procurement guidelines (in progress)

Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with: ICLEI – Local Governments for Sustainability (ICLEI); Imug

Commissioned by: European Commission, DG Energy

Modelling of emissions trading in the context of EU energy and climate measures: a market and feasibility study for ETS-specific models *(in progress)*

Schumacher, K.; Förster, H.; in cooperation with: Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Report on Renewable Cooling (Update) *(in progress)*

Braungardt, S.; Bürger, V.

Commissioned by: Netherlands Enterprise Agency

Service contract for supporting F-gas policies *(in progress)*

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

Commissioned by: European Commission, DG Climate Action

Standardization bodies for the Renewable Energy Directive: CEN/DIN “Biodiversity and environmental aspects” part of the standard *(in progress)*

Hennenberg, K.

Commissioned by: Federal Agency for Nature Conservation

Structural development of the EU ETS after 2020 *(in progress)*

Graichen, V.; Cludius, J.; Emele, L.; Haller, M.; Healy, S.; Loreck, C.; Matthes, F.; Ritter, D.; 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)

Verification of the suitability of the method proposed to produce early CO₂ emission estimates *(in progress)*

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

Commissioned by: European Commission, Directorate General ESTAT

Analytical Study: Energy and MFF *(2018)*

Siemons, A.; Förster, H.; in cooperation with: Trinomics B.V.

Commissioned by: European Union - European Parliament

Efficiency and effectiveness of the EU ETS – extended analyses *(2018)*

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)

Evaluating EU import data for HFCs from different sources to support the implementation of the F-gas Regulation *(2018)*

Anderson, G.; Greiner, B.; Jörß, W.; Scheffler, M.

Commissioned by: European Commission, DG Climate Action

The Vision Scenario for the European Union - 2017 Update for the EU-28 (2018)

Matthes, F.; Blanck, R.; Cook, V.; Zimmer, W.

Commissioned by: European Union - European Parliament

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 B.V.

Commissioned by: European Commission, DG Climate Action

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

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

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

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 - Brussels

Research study on European Energy Industry Investments (2017)

Ludig, S.; Flachsbarth, F.; Graichen, V.; in cooperation with: Aether – Oxford Centre for Innovation (Aether); Trinomics B.V.

Commissioned by: European Union - European Parliament

Scientific support in the Analysis and further Development of the Implementation of the EU-Effort Sharing Decision (2017)

Gores, S.; Böttcher, H.; Förster, H.; Graichen, J.; Graichen, V.; Hermann, H.; Herold, A.

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

Study on Technical Assistance in Realisation of the 2016 Report on Renewable Energy, in preparation of the Renewable Energy Package for the Period 2020-2030 in the European Union (2017)

Bauknecht, D.; Böttcher, H.; Bracker, J.; Bürger, V.; Cook, V.; Emele, L.; Förster, H.; Greiner, B.; Heinemann, C.; Hennenberg, K.; Hesse, T.; Hünecke, K.; Ritter, D.; Seebach, D.; Vogel, M.; Wiegmann, K.; Winger, C.; Zell-Ziegler, C.; in cooperation with: Center for Environmental System Research (CESR); Cowi; E3 Modelling; Eclareon; Observer; Renewables Academy AG (RENAC)

Commissioned by: European Commission, DG Energy

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 Berlin (BBH); Eclareon; Energy Research Centre of the Netherlands (ECN); Foundation for Environmental Energy Law; Rebel Group

Commissioned by: European Commission, DG Energy

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 (Finland); 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

Assessing the status of electrification of the road transport passenger vehicles and potential future implications for the environment and European energy system (2016)

Haller, M.; Bracker, J.; Hacker, F.; Kasten, P.; in cooperation with: Netherlands Organisation for Applied Scientific Research (TNO); Transport and Mobility Leuven; Trinomics B.V.

Commissioned by: European Environment Agency (EEA)

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

Assistance to Member States for effective implementation of the reporting requirements under the Kyoto Protocol to the United Nations Framework Convention on Climate Change (UNFCCC) (2016)

Herold, A.; Harthan, R.; in cooperation with: Aarhus University (Denmark); AEA Technology (AEAT); Aether – Oxford Centre for Innovation (Aether); Benviroc Oy (Finland); Environment Agency Austria; Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Netherlands Organisation for Applied Scientific Research (TNO); Öko-Recherche; Swedish Environmental Research Institute (IVL Sweden); Zoltan Somogyi (Hungary)

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

Climate benefits of material substitution by forest biomass and harvested wood products: perspective 2030 (2016)

Böttcher, H.; Hennenberg, K.; in cooperation with: Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries (Braunschweig, Germany); Institut Technologique Forêt Cellulose Bois-construction Aménagement (FCBA); International Institute for Applied Systems Analysis (IIASA); Werner Environment and Development

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

Performance of a literature review of greenhouse gas emission trading policy evaluations (2016)

See also: <http://www.oeko.de/oekodoc/2455/2015-001-en.pdf>

Schumacher, K.; Healy, S.; in cooperation with: Triple E Consulting – Energy, Environment & Economics B.V.

Commissioned by: European Environment Agency (EEA)

Possible streamlining of climate and energy reporting requirements in areas with interlinkages (2016)

Herold, A.; Emele, L.; Förster, H.; Gores, S.; Graichen, J.; Harthan, R.; Healy, S.; Jörß, W.; Scheffler, M.; Winger, C.; in cooperation with: Amec Foster Wheeler; BIO Intelligence Service

Commissioned by: European Commission, DG Climate Action

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

Study on impacts on resource efficiency of future EU demand for bioenergy (2016)

Böttcher, H.; Hennenberg, K.; Hünecke, K.; 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

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

Support in building up the European NGO Existing coal database (2016)

Graichen, V.; Greiner, B.

Commissioned by: Climate Action Network Europe (Can-Europe)

Support to the Commission and Member States on EU ETS monitoring, reporting, verification and accreditation (2016)

Herold, A.; Gores, S.; in cooperation with: SQ Consult B.V.

Commissioned by: European Commission, DG Climate Action

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

Update of the quantitative analysis of the 2030 EU GHG target (2016)

Graichen, J.

Commissioned by: WWF Germany

Verification of the suitability of the method proposed to produce early CO2 emission estimates (2016)

Herold, A.; Anderson, G.; Emele, L.; Rausch, L.; Scheffler, M.

Commissioned by: European Commission, Directorate General ESTAT

Assistance to Member States in the implementation of GHG projections guidelines (2015)

Gores, S.; Förster, H.; Harthan, R.; in cooperation with: Aether – Oxford Centre for Innovation (Aether); AMEC Environment; Environment Agency Austria; Flemish Institute of Technologic Research (VITO); Institute of Communication and Computer systems (ICCS); Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); Netherlands Organisation for Applied Scientific Research (TNO)

Commissioned by: European Commission, DG Climate Action

Enhanced flexibilities for the EU's 2030 Effort Sharing Decision and the treatment of the AFOLU sector (2015)

Graichen, J.; Böttcher, H.; Graichen, V.

Commissioned by: Carbon Market Watch

Expert analysis on the further development and implementation of EU Effort Sharing (2015)

Gores, S.; Böttcher, H.; Förster, H.; Graichen, J.; Graichen, V.; Healy, S.; Hennenberg, K.; Hermann, H.; Herold, A.; Matthes, F.; Scheffler, M.; Siemons, A.; von Schuckmann, L.

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

Ex-post investigation of cost pass-through in the EU ETS: An analysis for six sectors (2015)

See also: https://ec.europa.eu/clima/sites/clima/files/ets/revision/docs/cost_pass_through_en.pdf

Schumacher, K.; Cludius, J.; Graichen, V.; Healy, S.; Zell-Ziegler, C.; in cooperation with: CE Delft

Commissioned by: European Commission, DG Climate Action

How to end energy poverty? Scrutiny of current EU and Member States instruments (2015)

Hünecke, K.; Cludius, J.; Förster, H.; Greiner, B.; Kenkmann, T.; Schumacher, K.; in cooperation with: Triple E Consulting – Energy, Environment & Economics B.V.

Commissioned by: European Union - European Parliament

Impacts on the EU 2030 climate target of including LULUCF in the climate and energy policy framework (2015)

Böttcher, H.

Commissioned by: Fern

Quantitative analysis of the 2030 EU GHG target (2015)

Graichen, J.

Commissioned by: WWF Germany

Reliable disclosure systems for Europe – Phase II (2015)

See also: <http://www.reliable-disclosure.org/>

Seebach, D.; Timpe, C.; in cooperation with: E-Control; Grexel Systems Oy; IT Power; Observer; Ostfold Research

Funded by: Intelligent Energy – Europe programme

Support related to preparing the HFC phase-down mechanism, labelling rules and guidance documents for the EU F-gas policy (2015)

Jörß, W.; Anderson, G.; Greiner, B.; Hermann, A.; in cooperation with: Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Support to the impact assessment and preparation of delegated/ implementing acts based on the monitoring mechanism regulation (2015)

Herold, A.; Döring, U.; Jörß, W.; in cooperation with: AEA Technology (AEAT); Environment Agency Austria

Commissioned by: European Commission, DG Climate Action

The need for harmonization within the administration of the EU Emissions Trading System as a multi-level management system (2015)

See also: <https://www.umweltbundesamt.de/publikationen/harmonisierungsbedarf-im-rahmen-der-administration>

Keimeyer, F.; Graichen, V.; in cooperation with: Institute for Regulatory Impact Analysis and Evaluation (InGFA)

Commissioned by: German Environment Agency (UBA)

What does the European power sector need to decarbonise? The role of the EU ETS & complementary policies post-2020 (2015)

Graichen, V.; Healy, S.; in cooperation with: Instituto de Políticas y Bienes Públicos (IPP-CSIC); German Institute for Economic Research (DIW); Institute for Sustainable Development and International Relations

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

Carbon Leakage and Competitiveness Assessment (2014)

Graichen, V.; Healy, S.; Schumacher, K.; in cooperation with: Cambridge Econometrics; Ecorys Nederland B.V.; Netherlands Organisation for Applied Scientific Research (TNO)

Commissioned by: European Commission, DG Climate Action

Continued technical support to the negotiations of the F-gas Regulation, preparing its implementation and international action on F-gases (2014)

Jörß, W.; Anderson, G.; Cludius, J.; Greiner, B.; Schumacher, K.; in cooperation with: Heat International; Öko-Recherche

Commissioned by: European Commission, DG Climate Action

Effects of a minimum price in the European Emissions Trading System (2014)

Matthes, F.; Koch, M.; Loreck, C.; Wimmer, D.

Commissioned by: WWF Germany

Evaluation and further development of the EU Emissions Trading Scheme (2014)

Repenning, J.; Cludius, J.; Emele, L.; Förster, H.; Gores, S.; Greiner, B.; Hermann, H.; Schumacher, K.; Zell-Ziegler, 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)

Free allocation in the EU ETS - Analysis of selected industrial sectors and companies in Germany (2014)

Hermann, H.; Cludius, J.; Healy, S.

Commissioned by: WWF Germany

Further development of electricity disclosure in Switzerland (2014)

Seebach, D.; Timpe, C.; in cooperation with: INFRAS

Commissioned by: Swiss Federal Office of Energy (SFOE)

Policies to enforce the transition to Nearly Zero-Energy buildings in Europe (2014)

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

Bürger, V.; Kenkmann, T.; in cooperation with: Buildings Performance Institute Europe (BPIE); Enerdata Global Energy Intelligence; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); National Consumer Research Center Finland (NCRC); National Renewable Energy Centre; Politecnico di Milano; SEVEN the energy efficiency centre; Sofia Energy Agency; Vienna University of Technology

Funded by: Intelligent Energy – Europe programme

Renewable Energy policy database and support (RES Legal Europe) (2014)

Bauknecht, D.; Bracker, J.; Bürger, V.; Cook, V.; Heinemann, C.; Hünecke, K.; Ritter, D.; Sachs, A.; Vogel, M.; in cooperation with: Eclareon; Energy Research Centre of the Netherlands (ECN)

Commissioned by: European Commission, DG Energy

Workshop on the ETS market stability reserve (2014)

Herold, A.; Cludius, J.; Healy, S.; Hermann, H.

Commissioned by: European Union - European Parliament

Cost-efficient and sustainable deployment of renewable energy sources towards the EU 20% target by 2020, and beyond (RES4LESS) (2013)

See also: <https://ec.europa.eu/energy/intelligent/projects/en/projects/res4less>

Bauknecht, D.; Cook, V.; Heinemann, C.; Ritter, D.; Sachs, A.; Seebach, D.; in cooperation with: Center for Promotion of Clean and Efficient Energy in Romania (ENERO); Energy and

Environment Consultancy, Prag (ENVIROS); Energy Research Centre of the Netherlands (ECN); IT Power; RISØ National Laboratory, Denmark

Funded by: Intelligent Energy – Europe programme

Development of GHG projection guidelines (2013)

Gores, S.; Herold, A.; Linden, J.; Scheffler, M.; in cooperation with: Aether – Oxford Centre for Innovation (Aether); Environment Agency Austria; Netherlands Organisation for Applied Scientific Research (TNO)

Commissioned by: European Commission, DG Climate Action

EU technical review of Member States' greenhouse gas inventories for determining the annual emission allocations under the Effort Sharing Decision (2013)

Herold, A.; Harthan, R.; Hünecke, K.; Jörß, W.; in cooperation with: AEA Technology (AEAT); Aether – Oxford Centre for Innovation (Aether); Benviroc Oy (Finland); EMISIA; Environment Agency Austria; Finnish Environment Institute (Syke); Institut de Conseil et d'Etudes en Développement Durable (Institute for Consultancy and Studies in Sustainable Development – ICEDD); Interprofessional Technical Centre for Studies on Air Pollution (CITEPA); National Environmental Research Institute (NERI); Netherlands Organisation for Applied Scientific Research (TNO); Öko-Recherche; Statistics Sweden (Sweden); Swedish Environmental Research Institute (IVL Sweden)

Commissioned by: European Commission, DG Climate Action

European Topic Centre on Air pollution and Climate change mitigation (2013)

Herold, A.; Anderson, G.; Cames, M.; Cludius, J.; Cook, V.; Döring, U.; Emele, L.; Förster, H.; Gores, S.; Graichen, J.; Graichen, V.; Harthan, R.; Healy, S.; Hermann, H.; Hünecke, K.; Jörß, W.; Linden, J.; Scheffler, M.; in cooperation with: AEA Technology (AEAT); Environment Agency Austria; Institut National de l'Environnement industriel et des risques; National Institute for Public Health and the Environment (RIVM); Norwegian Institute for Air Research (NILU)

Funded by: European Environment Agency (EEA)

Impact measurement and performance analysis of CSR (2013)

See also: <http://www.csr-impact.eu/>

Hünecke, K.; Barth, R.; Bleher, D.; Brunn, C.

Funded by: European Commission, DG Research and Innovation

Improvement of the methodological basis and development of a GHG emission scenario for the 2011 projection report within the scope of EU greenhouse gas monitoring (Policy Scenarios VI) (2013)

Gores, S.; Cook, V.; Emele, L.; Förster, H.; Harthan, R.; Hermann, H.; Jörß, W.; Loreck, C.; Matthes, F.; Penninger, G.; Scheffler, M.; Schumacher, K.; in cooperation with: Dr. Hans-Joachim Ziesing; Forschungszentrum Jülich / Institute of Energy Research - Systems Analysis and Technology Evaluation (IEF-STE); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); German Institute for Economic Research (DIW)

Commissioned by: German Environment Agency (UBA)

Reliable Disclosure Systems for Europe (RE-DISS) (2013)

See also: <http://www.reliable-disclosure.org/>

Timpe, C.; Becker, L.; Sachs, A.; Seebach, D.; in cooperation with: Andrea Effinger; E-Control; Flemish Regulator of the Electricity and Gas market (VREG); Grexel Systems Oy; IT Power; Observer

Funded by: Intelligent Energy – Europe programme

Support to the Commission for the determination of the list of sector and subsectors deemed to be exposed to a significant risk of carbon leakage for the years 2015-2019 (EU Emission Trading Scheme) (2013)

Graichen, V.; Förster, H.; Harthan, R.; Healy, S.; Hermann, H.; Schumacher, K.; in cooperation with: ECOFYS

Commissioned by: European Commission, DG Climate Action

The post-2020 framework for investments in renewable generation in Europe (2013)

See also: <http://www.remunerating-res.eu/>

Timpe, C.

Commissioned by: Smart Energy for Europe Platform (SEFEP)

3 German energy and climate protection policy

3.1 German energy and climate protection policy – cross sector

Approaches to the further development of Germany's public finances for the purposes of environmental protection (in progress)

Zell-Ziegler, C.; Förster, H.; Siemons, A.

Commissioned by: Öko-Institut e.V., Energy & Climate

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 (in progress)

Braungardt, S.; Hünecke, K.; Schumacher, K.; in cooperation with: Wuppertal Institute for Climate, Environment and Energy

Commissioned by: Bundesstelle für Energieeffizienz im Bundesamt für Wirtschaft und Ausfuhrkontrolle (BfEE)

Approaches for the further development of Germany's public finances for the purposes of environmental protection (in progress)

Graichen, V.; Emele, L.; Greiner, B.; Hermann, A.; in cooperation with: Environmental Policy Research Centre (FFU) ; Green Budget Germany (FÖS); Institute of Economic Structures Research (GWS)

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 (in progress)

Repenning, J.; Bergmann, T.; Blanck, R.; Böttcher, H.; Bürger, V.; Cludius, J.; Emele, L.; Hennenberg, K.; Hermann, H.; Hünecke, K.; Jörß, W.; Loreck, C.; Ludig, S.; Matthes, F.; Nissen, C.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Zell-Ziegler, C.; in cooperation with: Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies (IREES); Prognos; Research Institute of Organic Agriculture (FiBL)

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

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

Hünecke, K.; Wiegmann, K.; in cooperation with: Institut für ZukunftsEnergieSysteme (IZES); Institute for Energy and Environmental Research (IFEU)

Commissioned by: German Environment Agency (UBA)

Climate Protection Scenario 2050 (in progress)

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

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

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.; Repenning, J.; Winger, C.; in cooperation with: Otto von Guericke University Magdeburg; Reiner Lemoine Institute

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

Developing instruments for reducing energy consumption through changes in behaviour (in progress)

Fischer, C.; Cludius, J.; Förster, H.; Hünecke, K.; Kenkmann, T.; Schumacher, K.; 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) (in progress)

Repenning, J.; Fischer, C.; Graulich, K.; Greiner, B.; Gröger, J.; Hennenberg, K.; Hünecke, K.; Jörß, W.; Keimeyer, F.; Kenkmann, T.; Ludig, S.; Mottschall, M.; Nissen, C.; Quack, D.; Rausch, L.; Schüler, D.; Schumacher, K.; Winger, C.; Zell-Ziegler, C.; in cooperation with: Dr. Hans-Joachim Ziesing; Environmental Policy Research Centre (FFU); Hochschule Karlsruhe – Technik und Wirtschaft; Institute for Energy and Environmental Research (IFEU); Münch, Sascha; Prof. Dr. Stefan Klinski; Prognos

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

Expert support for Germany's 2018 Climate Policy and Programme of Measures (in progress)

Repenning, J.; Blanck, R.; Böttcher, H.; Braungardt, S.; Bürger, V.; Hennenberg, K.; Hermann, H.; Keimeyer, F.; Loreck, C.; Matthes, F.; Scheffler, M.; Wiegmann, K.; Zimmer, W.; in cooperation with: Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Green Budget Germany (FÖS); Institute for Energy and Environmental Research (IFEU); Institute for Resource Efficiency and Energy Strategies (IREES); Prognos

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 (in progress)

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

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

Implementation of the Climate Action Programme 2020 - scientific support of the implementation of the measures of the Action Programme (in progress)

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

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

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") (in progress)

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

Commissioned by: German Environment Agency (UBA)

Internal project geared to the overall further development of and publications in the field of participation (in progress)

Brohmann, B.; Bauknecht, D.; Vogel, M.

Commissioned by: Öko-Institut, Vorstand

Perspectives of citizen participation in Germany's energy transition taking into account distributional issues (in progress)

Gensch, C.; Cludius, J.; Förster, H.; Hüneck, K.; Kunert, D.; Noka, V.; Schumacher, K.;

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

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

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

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

Scientific support for the National Programme for Sustainable Consumption - Subproject 3: Environmental Costs of Consumer Goods as a starting point for improving consumer information ("2nd price tag") (*in progress*)

Hünecke, K.

Commissioned by: German Environment Agency (UBA)

Sustainable consumption: evaluation and further development of measures and instruments (*in progress*)

Griesshammer, R.; Kampffmeyer, N.; Keimeyer, F.; Schumacher, K.; 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)

System integration and the interconnection of energy supply (*in progress*)

Brohmann, B.; Bauknecht, D.; Bracker, J.; Heinemann, C.; Hesse, T.; Vogel, M.; in cooperation with: DIALOGIK gemeinnützige Gesellschaft für Kommunikations und Kooperationsforschung mbH; University of Münster; Wuppertal Institute for Climate, Environment and Energy

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

Systemic Monitoring and Modelling of the Bioeconomy (*in progress*)

Böttcher, H.; Hennenberg, K.; Hünecke, K.; 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)

Transformative strategies for an integrated urban quarter development: plans of action and assessment options for German high-influx cities (so-called "Schwarmstädte") (*in progress*)

Braungardt, S.; Bürger, V.; Hesse, T.; Winger, C.; in cooperation with: Deutsches Institut für Urbanistik (Difu); Institut für Landes- und Stadtentwicklungsforschung gGmbH; Team Ewen

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 (*in progress*)

Wolff, F.; Förster, H.; Gensch, C.; Griesshammer, R.; Gsell, M.; Heyen, D.; Schumacher, K.

Commissioned by: German Environment Agency (UBA)

Perspectives on public participation for energy transition under consideration of distribution aspects: Analysis of an optimal way to integrate battery storage into the grid (2018)

Gensch, C.; Bauknecht, D.; Heinemann, C.; Vogel, M.; in cooperation with: Institut for Social-Ecological Research (ISOE);

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

German lignite industry - historic development, resources, technology, economic structures and environmental effects (2017)

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

Commissioned by: Agora Energiewende

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" (2017)

Harthan, R.; Anderson, G.; Böttcher, H.; Hennenberg, K.; Herold, A.; Jörß, W.; Koch, M.; Scheffler, M.

Commissioned by: German Environment Agency (UBA)

RELIS – Resource-efficient infrastructures that are fit for the future (2017)

Zimmer, W.; Bauknecht, D.; Vogel, M.; Winger, C.; in cooperation with: Deutsches Institut für Urbanistik (Difu)

Commissioned by: German Environment Agency (UBA)

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)

Developing a concept for the overall reduction of energy demand: potentials, general conditions and tools to achieve energy saving goals of the German National Energy Concept (2016)

Fischer, C.; Blanck, R.; Brohmann, B.; Brunn, C.; Bürger, V.; Cludius, J.; Förster, H.; Hacker, F.; Heyen, D.; Hünecke, K.; Keimeyer, F.; Kenkmann, T.; Schleicher, T.; Schumacher, K.; Wolff, F.; in cooperation with: Institute for Resource Efficiency and Energy Strategies (IREES)

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

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 (IREES)

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

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; Institute for Energy and Environmental Research (IFEU)

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

GHG projections: Further development of the methods and implementation of the EU Effort Sharing Decision in the 2015 projection report (“Policy scenarios”) (2016)

Repenning, J.; Bergmann, T.; Blanck, R.; Cook, V.; Emele, L.; Flachsbarth, F.; Förster, H.; Gores, S.; Greiner, B.; Haller, M.; Harthan, R.; Hermann, H.; Jörß, W.; Loreck, C.; Ludig, S.; Rausch, L.; Scheffler, M.; Schumacher, K.; Wiegmann, K.; Zell-Ziegler, C.; in cooperation with: Dr. Hans-Joachim Ziesing; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI)

Commissioned by: German Environment Agency (UBA)

Implications of the changed reporting requirements of the Effort Sharing Decision for the EU ETS and the national GHG inventory (DENK3) (2016)

Jörß, W.; Anderson, G.; Emele, L.; Gores, S.; Graichen, J.; Hermann, H.; Herold, A.; Siemons, A.; Zell-Ziegler, C.; in cooperation with: Institute for Futures Studies and Technology Assessment

Commissioned by: German Environment Agency (UBA)

Examining the consistency of environmental objectives and measures for the purpose of environmental reporting (2015)

Hennenberg, K.; Alt, S.; Barth, R.; Bunke, D.; Groß, R.; Hacker, F.; Heyen, D.; Hünecke, K.; Kasten, P.; Küppers, P.; Manhart, A.; Mehlhart, G.; Schütte, S.; Spieth-Achnich, A.; Wiegmann, K.; Wolff, F.; in cooperation with: Environmental Policy Research Centre (FFU) ; Health and Environment Alliance (HEAL)

Commissioned by: German Environment Agency (UBA)

Expert analyses on current issues of climate policy in Germany (2015)

Repenning, J.; Blanck, R.; Bürger, V.; Dehoust, G.; Emele, L.; Hermann, H.; Hesse, T.; Jörß, W.; Loreck, C.; Matthes, F.; Scheffler, M.; Wiegmann, K.; Zell-Ziegler, C.; Zimmer, W.

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

Transformation strategies and models of change for sustainable social change (2014)

Brohmann, B.; Bauknecht, D.; Griesshammer, R.; Heyen, D.; in cooperation with: Prof. Dr. Claus Leggewie, Kulturwissenschaftliches Institut (KWI) Essen; Prof. Dr. Lucia Reisch, Zeppelin University

Commissioned by: German Environment Agency (UBA)

Expansion of the EU ETS to include new sectors and small emitters (e.g. buildings) – Potentials, design, connection to the international climate regime (2013)

Matthes, F.; Cludius, J.; Cook, V.; Förster, H.; Graichen, V.; Hermann, H.; Schumacher, K.; in cooperation with: Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Gaßner, Groth, Siederer & Coll.

Commissioned by: German Environment Agency (UBA)

Expert analyses on current issues of climate policy in Germany (2013)

Loreck, C.; Emele, L.; Förster, H.; Gores, S.; Haller, M.; Harthan, R.; Hennenberg, K.; Hermann, H.; Hünecke, K.; Linden, J.; Ludig, S.; Matthes, F.; Scheffler, M.; in cooperation with: Arrhenius-Institut

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

Overall assessment of CO2 monitoring and evaluation for Hamburg's Climate Plan (2013)

Rausch, L.

Commissioned by: Wuppertal Institute for Climate, Environment and Energy

3.2 German energy and climate protection policy – sector specific

Environmental assessment of different transport types in Germany (in progress)

Bergmann, T.; Motschall, M.; Bracker, J.; Seebach, D.;

Commissioned by: German Environment Agency (UBA)

Systemic challenges of Germany's heat transition (in progress)

Bürger, V.; Braungardt, S.; Hesse, T.; in cooperation with: Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Hamburg Institut

Commissioned by: German Environment Agency (UBA)

Assessment of and implementation strategies for electric trolley trucks (in progress)

Mottschall, M.; Bracker, J.; Flachsbarth, F.; Haller, M.;

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

Barriers to and potentials for increasing resource efficiency by optimizing regional and local material cycles and material flows (in progress)

Hünecke, K.

Commissioned by: German Environment Agency (UBA)

BMUB Scale Up. Emission-free vehicle fleet at Stuttgart Airport (in progress)

Hacker, F.; Bracker, J.; Haller, M.; Winger, C.; in cooperation with: Flughafen Stuttgart GmbH

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

Climate protection in air and maritime transport: Options for meeting emission targets (in progress)

Cames, M.; Graichen, J.; Nissen, C.; in cooperation with: CE Delft; German Aerospace Center (DLR)

Commissioned by: German Environment Agency (UBA)

Climatefriendly transport: implementation strategies for greenhouse gas reductions in the transport sector in 2030 and 2050 (in progress)

Zimmer, W.; Blanck, R.; Förster, H.; Gores, S.; Graichen, J.; Graichen, V.; Hacker, F.; Kasten, P.; Nissen, C.; Schumacher, K.; in cooperation with: INFRAS; Institute for Energy and Environmental Research (IFEU); KCW GmbH

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

Concepts for the enforcement of climate protection laws in the building sector including third parties *(in progress)*

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

Decentralization, regionalisation and power grid infrastructures: Meta-study on assumptions, insights and narratives *(in progress)*

Matthes, F.; Flachsbarth, F.; Vogel, M.
Commissioned by: Renewables Grid Initiative

Decomposition analysis of energy-related greenhouse gas emissions with a focus on the expansion of renewable energy *(in progress)*

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)

Enera Demonstration Projekt Wind *(in progress)*

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

Bauknecht, D.; Bracker, J.; Flachsbarth, F.; Haller, M.; Heinemann, C.; Koch, M.; Ritter, D.; Vogel, M.; in cooperation with: OFFIS-Institute for Informatics; EWE ; RWTH Aachen University
Commissioned by: German Federal Ministry for Economic Affairs and Energy (BMWi)

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)*

Gores, S.; Hermann, H.; Jörß, W.; Nissen, C.; Rausch, L.; Zell-Ziegler, C.; in cooperation with: Fraunhofer Institute for Manufacturing Technology and Advanced Materials (IFAM); Ingenieurbüro für BHKW-Planung und KWK (BHKW Consult); Prognos; Stiftung Umweltenergierecht
Commissioned by: German Federal Ministry for Economic Affairs and Energy (BMWi)

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

Schumacher, K.; Bürger, V.; Kenkmann, T.; in cooperation with: Institute for Futures Studies and Technology Assessment
Commissioned by: Bundesstelle für Energieeffizienz im Bundesamt für Wirtschaft und Ausfuhrkontrolle (BfEE)

Historical and future development of the EEG surcharge and its influence on electricity prices *(in progress)*

Loreck, C.; Graichen, V.; Haller, M.; Matthes, F.; Rausch, L.; Ritter, D.; Winger, C.
Commissioned by: German Federal Ministry for Economic Affairs and Energy (BMWi)

Implementation of sustainability criteria for the material use of biomass in the scope of the Blue Angel scheme (Blauer Engel) *(in progress)*

Wiegmann, K.; Gröger, J.; Hennenberg, K.; Hünecke, K.; Moch, K.; in cooperation with: Institute for Energy and Environmental Research (IFEU)
Commissioned by: German Environment Agency (UBA)

Increasing transparency with regard to the need to expand the electricity transmission grid
(in progress)

See also: <http://www.transparenz-stromnetze.de/>

Timpe, C.; Bauknecht, D.; Breuer, J.; Flachsbarth, F.; Haller, M.; Heinemann, C.; Koch, M.; Loreck, C.; Ludig, S.; Ritter, D.; Schulze, F.; Vogel, M.; Winger, C.; in cooperation with: e-fect dialog evaluation consulting eG

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

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
(in progress)

Fischer, C.; Kenkmann, T.; in cooperation with: Institut for Social-Ecological Research (ISOE); Institute for Energy and Environmental Research (IFEU); Kreis Steinfurt;

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

Model based scenario analysis of energy transition in the German electricity system within the context of future development possibilities in Europe up to 2050
(in progress)

Koch, M.; Bauknecht, D.; Bracker, J.; Haller, M.; Harthan, R.; Heinemann, C.; Rausch, L.; Ritter, D.; Vogel, M.; Winger, C.; in cooperation with: Eclareon

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

Nature protection and advanced biofuels
(in progress)

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

Böttcher, H.; Hennenberg, K.; Hermann, A.; Hünecke, K.; Wiegmann, K.; Wolff, F.; in cooperation with: Institute for Energy and Environmental Research (IFEU)

Funded by: Federal Agency for Nature Conservation

New ENergy Grid StructURes for Energy Transition (ENSURE)
(in progress)

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

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

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

Project for analysis and restructuring of cross-cutting energy law (electricity)
(in progress)

Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with: Becker Büttner Held Berlin (BBH); Ecologic; Stiftung Umweltenergierecht

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

Recognition of imported guarantees of origin
(in progress)

Seebach, D.; Bracker, J.; Timpe, C.; in cooperation with: Becker Büttner Held Berlin (BBH)

Commissioned by: German Environment Agency (UBA)

Research, validation and implementation of power-to-x concepts (in progress)

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

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

Role of bioenergy in the electricity and heat markets up to 2050, taking into account the future building stock (in progress)

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

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

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

Seebach, D.; Bracker, J.; Bürger, V.

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

Sustainable Resource Use: Requirements for a sustainable bioeconomy from Agenda 2030 / SDG implementation (in progress)

Schleicher, T.; Hünecke, K.; Hennenberg, K.; Wiegmann, K.;

Commissioned by: German Environment Agency (UBA)

Sustainable use of renewable energies for supplying electricity, heating and cooling in buildings and (in progress)

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

Commissioned by: German Environment Agency (UBA)

The energy system of the future in the 'solar arch' of Southern Germany (in progress)

Heinemann, C.; Bauknecht, D.; Bracker, J.; Flachsbarth, F.; Ritter, D.; Seebach, D.; Vogel, M.; Winger, C.; in cooperation with: Becker Büttner Held Berlin (BBH)

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

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 (2018)

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 (2018)

Böttcher, H.; Hennenberg, K.; Winger, C.

Commissioned by: Greenpeace

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: WWF Germany

Nexus resource efficiency and land use: approaches to a multidimensional environmental assessment of resource efficiency (2018)

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)

Perspectives on public participation for energy transition under consideration of distribution aspects: Taking social factors on development of the grid into account (2018)

Flachsbarth, F.; Koch, M.; 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; Kulturwissenschaftliche Institut in Essen (KWI);

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

RegMex Project: Model experiments and comparisons for the simulation of paths towards a fully renewable energy supply system (2018)

Koch, M.; Flachsbarth, F.; Winger, C.; in cooperation with: German Aerospace Center (DLR)

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

The role of skilled craft companies for reaching the German energy efficiency targets for buildings (2018)

Braungardt, S.; Kenkmann, T.

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

Analysis and dialogue for ensuring the carbon emission advantage of e-mobility (2017)

Timpe, C.; Bracker, J.; Flachsbarth, F.; Hacker, F.; Haller, M.; Kasten, P.; Seebach, D.; in cooperation with: Energynautics

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

Climate Protection in the electricity sector - Comparison of instruments to reduce emissions (2017)

Hermann, H.; Cook, V.; Greiner, B.; Keimeyer, F.; Loreck, C.; Ritter, D.; Winger, C.; in cooperation with: Büro für Energiewirtschaft und technische Planung (BET Aachen); Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

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)

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

Germany's electric future – Coal phase-out 2035 (2017)

Loreck, C.; Cook, V.; Emele, L.; Flachsbarth, F.; Hermann, H.; Ludig, S.; Matthes, F.; Ritter, D.; Winger, C.; in cooperation with: Prognos

Commissioned by: WWF Germany

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 (2017)

Koch, M.; Bauknecht, D.; Bürger, V.; Flachsbarth, F.; Haller, M.; Heinemann, C.; Hermann, H.; Hesse, T.; Kenkmann, T.; Loreck, C.; Rausch, L.; Ritter, D.; Timpe, C.; Vogel, M.; Winger, C.; in cooperation with: Center for Wind Energy Research (ForWind); Institut for Social-Ecological Research (ISOE)

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

Renewable vs. fossil power systems: (2017)

Matthes, F.; Cook, V.; Heinemann, C.; Ludig, S.; Ritter, D.

Commissioned by: Agora Energiewende

Workshop on the further development of a regulatory innovation zone instrument (2017)

Heinemann, C.; Bauknecht, D.; in cooperation with: Becker Büttner Held Berlin (BBH); Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK Consult)

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

Climate protection and cogeneration: Current developments in the context of economic conditions and technological progress (2016)

Gores, S.; Emele, L.; Harthan, R.; Hermann, H.; Jörß, W.; Matthes, F.; Zell-Ziegler, C.; in cooperation with: Dr. Hans-Joachim Ziesing

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

Decentralised and centralised energy management on the distribution grid level that is geared to integration of renewable energies in the German electricity system (2016)

Koch, M.; Bauknecht, D.; Flachsbarth, F.; Heinemann, C.; Ritter, D.; Vogel, M.; in cooperation with: OFFIS-Institute for Informatics

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

Development of an energy cost indicator for industry (2016)

Matthes, F.; Greiner, B.; in cooperation with: German Institute for Economic Research (DIW)

Commissioned by: European Climate Foundation (ECF)

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; Institute for Energy and Environmental Research (IFEU); tippingpoints – agency for sustainable communication

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

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2016) (2016)

Haller, M.; Graichen, V.; Hermann, H.; Loreck, C.; Ritter, D.; in cooperation with: Agora Energiewende

Commissioned by: Agora Energiewende

Need for and models of reform for the efficient expansion and operation of electricity networks in the context of German energy transition ("EE-Netz") (2016)

Hermann, H.; Emele, L.; Flachsbarth, F.; Gores, S.; Greiner, B.; Haller, M.; Harthan, R.; Healy, S.; Jung, F.; Loreck, C.; Ludig, S.; Matthes, F.; Rausch, L.; Ritter, D.; Vogel, M.; Winger, C.; in cooperation with: TU Berlin – Workgroup for Infrastructure Policy (WIP)

Funded by: Stiftung Mercator

Position paper on the use of biogenic raw materials in emulsion paints (2016)

Hennenberg, K.; Hünecke, K.

Commissioned by: CAPAROL Farben Lacke Bautenschutz GmbH

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)

Scientific study on the development in energy consumption and measures to promote product-related energy efficiency (2016)

Quack, D.; Brommer, E.; Bürger, V.; Hesse, T.; Graulich, K.; Gröger, J.; Hermann, A.; Hesse, T.; Keimeyer, F.; Prakash, S.; Schleicher, T.; Schüler, D.; Stahl, H.; Stratmann, B.; Wolff, F.; ; in cooperation with: Institute for Energy and Environmental Research (IFEU)

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

Update of "Data and calculation model: Energy consumption and pollutant emissions of motorized transport in Germany, 1960-2035 (TREMODO) for emissions reporting in 2016 (reporting period 1990-2014)" (2016)

Gores, S.; in cooperation with: Institute for Energy and Environmental Research (IFEU)

Commissioned by: German Environment Agency (UBA)

Analyse und Diskussion naturschutzfachlich bedeutsamer Ergebnisse der Bundeswaldinventur (2015)

Hennenberg, K.; Böttcher, H.; Wiegmann, K.; Winger, C.; in cooperation with: Dr. Susanne Winter; Judith Reise

Commissioned by: Federal Agency for Nature Conservation

Climate Neutral Building Stock 2050 (2015)

Bürger, V.; Hesse, T.; in cooperation with: Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE)

Commissioned by: German Environment Agency (UBA)

Development of proposals for instruments to increase the use of heating and cooling from renewable energies in buildings and processing of selected legal issues relating to developing further the law on promotion of renewable energies in the heat sector (German Renewable Heat Energy Sources Act, EEWärmeG) (2015)

Keimeyer, F.; Bürger, V.; Heyen, D.; Kenkmann, T.; in cooperation with: Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Building Systems Engineering Research and Application (ITG); Institute for Energy and Environmental Research (IFEU); Prof. Dr. Stefan Klinski; Rechtsanwälte Geiser & von Oppen

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

Evaluation and reporting concept for a chapter on Europe in the annual VET report of the German Emissions Trading Authority (DEHSt) (2015)

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

Commissioned by: German Environment Agency (UBA)

Expert advice on supporting the development of Smart Grids in Baden-Wuerttemberg (2015)

Heinemann, C.; Bauknecht, D.; Sachs, A.; in cooperation with: Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK Consult)

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

Expert analysis of Germany's heat and cooling market and preparation of the progress report on German Renewable Energies Heating Act (EEWärmeG) (2015)

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); Prognos

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

Formulation of Recycling-Related and Environmental Requirements and Strategies for Preventing Supply Risks in Connection with Innovative Energy Storage Systems (2015)

Schüler, D.; Bauknecht, D.; Vogel, M.; in cooperation with: Center for Solar Energy and Hydrogen Research (ZSW)

Commissioned by: German Environment Agency (UBA)

Further development of the EEG regulation and instrument (2015)

Timpe, C.; Bauknecht, D.; Ritter, D.; Seebach, D.; Vogel, M.; in cooperation with: Becker Büttner Held Berlin (BBH); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Climate Protection; Energy and Mobility (IKEM); Stiftung Umweltenergierecht

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

Further development of the Renewable Energy Sources Act (EEG) surcharge calculator (2015)

Haller, M.; Cook, V.; Graichen, V.; Heinemann, C.; Loreck, C.; Ludig, S.; Matthes, F.; Ritter, D.; Sachs, A.

Commissioned by: Agora Energiewende

Lignite phase-out in North Rhine-Westphalia: What amount of mined lignite is needed by the energy system and what amount is possible in terms of climate policy? (2015)

Bauknecht, D.; Greiner, B.; Hermann, H.; Ritter, D.; Vogel, M.
Commissioned by: BUND LV NRW e.V.

Measures for improving the market penetration of climate-friendly technologies without halogenated substances against the background of the revision of Regulation (EC) No 842/2006 (2015)

Jörß, W.; Cludius, J.; Graichen, V.; Schumacher, K.; in cooperation with: Heat International; Öko-Recherche
Commissioned by: German Environment Agency (UBA)

Process-oriented basic data for environmental management instruments (ProBas) (2015)

See also: <http://www.probas.umweltbundesamt.de/>
Rausch, L.; in cooperation with: International Institute for Sustainability Analysis and Strategy (IINAS); kommzept
Commissioned by: International Institute for Sustainability Analysis and Strategy (IINAS)

Quality not quantity - strategies and potentials for sustainable biomass use (own project) (2015)

See also: <http://biomasse.oeko.de/>
Hünecke, K.; Böttcher, H.; Förster, H.; Hennenberg, K.; Schumacher, K.
Commissioned by: Öko-Institut, Vorstand

Renewable energy from woody biomass: supply potential, impact on sustainability and biodiversity objectives, forestry models and corporate strategies (2015)

Hennenberg, K.; in cooperation with: University of Applied Forest Sciences Rottenburg
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg (UM BW)

The effectiveness of the energy-only market and the current proposals for a capacity market (2015)

Matthes, F.; Hermann, H.; in cooperation with: LBD-Beratungsgesellschaft
Commissioned by: Ministry of the Environment, Climate Protection and the Energy Sector Baden-Wuerttemberg (UM BW)

Updating of air transport data on behalf of the German Federal Environment Agency (UBA) (2015)

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

Air quality 2020/2030: Further development of air pollution forecasts in consideration of climate protection strategies (2014)

Jörß, W.; Emele, L.; Scheffler, M.; in cooperation with: Institute for Energy and Environmental Research (IFEU); Institute for Energy Economics and the Rational Use of Energy of Stuttgart University (IER); Institute for Futures Studies and Technology Assessment; Johann Heinrich von Thünen-Institut (vTI); Netherlands Organisation for Applied Scientific Research (TNO); Rainer Stern
Commissioned by: German Environment Agency (UBA)

EEG-calculator (2014)

See also: <https://www.agora-energiewende.de/veroeffentlichungen/eeg-rechner-fuer-excel/>

Loreck, C.; Graichen, V.; Greiner, B.; Haller, M.; Hermann, H.; Rausch, L.; Ritter, D.; Timpe, C.

Commissioned by: Agora Energiewende

Elements and milestones of the development of a sound and sustainable bioenergy strategy (2014)

Hünecke, K.; Hennenberg, K.; in cooperation with: Center for Environmental System Research (CESR); Deutsches Biomasseforschungszentrum (DBFZ); Institut für ZukunftsEnergieSysteme (IZES); Institute for Energy and Environmental Research (IFEU); International Institute for Sustainability Analysis and Strategy (IINAS); Johann Heinrich von Thünen-Institut (vTI)

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

Establishing a quantitative basis for the design and the further discussion of an early innovation and investment fund under the German EEG (2014)

Loreck, C.; Haller, M.; Hermann, H.; Matthes, F.

Commissioned by: Rat für Nachhaltige Entwicklung

Evaluation of the Energy Efficiency Initiative by the German Energy Agency (dena) (2014)

Kenkmann, T.; Hesse, T.; in cooperation with: Institute for Resource Efficiency and Energy Strategies (IREES)

Commissioned by: Bundesstelle für Energieeffizienz im Bundesamt für Wirtschaft und Ausfuhrkontrolle (BfEE)

Expert support for the development of scenarios on the possible contribution of electric mobility to long-term climate protection in freight and public transport (2014)

Hacker, F.; Blanck, R.; Harthan, R.; Hülsmann, F.; Kasten, P.; Koch, M.; Loreck, C.; Ludig, S.; Mottschall, M.; Zimmer, W.

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

Further development of market design and network regulation for the transformation of the German electricity system (2014)

Matthes, F.; Cludius, J.; Emele, L.; Haller, M.; Harthan, R.; Hermann, H.; Loreck, C.; Rausch, L.; in cooperation with: Institut für ZukunftsEnergieSysteme (IZES); TU Berlin – Workgroup for Infrastructure Policy (WIP)

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

Scenarios for the possible contribution of electric mobility in freight and public transport to long-term climate protection (2014)

Hacker, F.; Blanck, R.; Hülsmann, F.; Kasten, P.; Loreck, C.; Ludig, S.; Mottschall, M.; Zimmer, W.

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

Support services for an effective and efficient operation of the registry for guarantees of origin in Germany (2014)

See also: <http://www.hknr.de/>

Seebach, D.; Timpe, C.; in cooperation with: Becker Büttner Held Berlin (BBH)

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

Systematic comparison of flexibility and storage options in the German electricity system with regard to the integration of renewable energies and analysis of corresponding framework conditions (2014)

Bauknecht, D.; Harthan, R.; Heinemann, C.; Koch, M.; Loreck, C.; Ludig, S.; Rausch, L.; Ritter, D.; Sachs, A.; Vogel, M.; in cooperation with: Energynautics

Funded by: German Federal Ministry of Economics and Technology (BMWi)

Activities as issuing body for the German domain of the European Energy Certificate System (EECS) in 2001 - 2013 (2013)

See also: <http://www.eecs-deutschland.de/>

Seebach, D.; Bracker, J.; Sachs, A.; Timpe, C.

Commissioned by: Renewable Energy Certificate System (RECS Germany e.V.)

Analysis of the surcharge for Renewable Energies in 2014 (2013)

Loreck, C.; Haller, M.; Hermann, H.

Commissioned by: Agora Energiewende

Audi – Analysis of biofuels and land use change (2013)

Hünecke, K.; Hennenberg, K.

Commissioned by: AUDI AG

CHP expansion: Development, forecasts, effectiveness of incentives in German CHP Act in consideration of emissions trading, renewable energy law, and other instruments. (2013)

Gores, S.; Cook, V.; Emele, L.; Harthan, R.; Matthes, F.; in cooperation with: Dr. Hans-Joachim Ziesing; Institut für ZukunftsEnergieSysteme (IZES); Technische Universität Dresden

Commissioned by: German Environment Agency (UBA)

Concepts for the removal of regulatory barriers to climate protection in the buildings sector in Germany (2013)

See also: <http://www.umweltbundesamt.de/publikationen/konzepte-fuer-die-beseitigung-rechtlicher-hemmnisse-0>

Bürger, V.; Brunn, C.; Cook, V.; Hermann, A.; Keimeyer, F.; in cooperation with: Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

Contribution of electrical resistance heating to integration of fluctuating renewable energies in Germany's electricity system based on the example of night storage heating and immersion heaters (2013)

Heinemann, C.; Bürger, V.

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

Development of an integrated heating and cooling strategy (2013)

Bürger, V.; Cook, V.; Seebach, D.; in cooperation with: Fraunhofer Institute for Manufacturing Technology and Advanced Materials (IFAM); Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE); Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institute for Resource Efficiency and Energy Strategies (IREES); Vienna University of Technology
Commissioned by: German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

EEG calculator (2013)

See also: <https://www.agora-energiewende.de/veroeffentlichungen/eeg-rechner-fuer-excel/>

Loreck, C.; Haller, M.; Hermann, H.; Matthes, F.; Rausch, L.

Commissioned by: Agora Energiewende

German EEG surcharge and the electricity supply costs for 2014. An analysis of trends, causes and interactions (2013)

Haller, M.; Cook, V.; Hermann, H.; Loreck, C.; Matthes, F.

Commissioned by: Greenpeace Germany

German Renewable Energy Sources Act 3.0 – Specifications for a reform of the German EEG based on a capacity payment model (2013)

Matthes, F.; Bauknecht, D.; Cook, V.; Graichen, V.; Greiner, B.; Haller, M.; Harthan, R.; Hermann, H.; Loreck, C.; Ritter, D.; Timpe, C.

Commissioned by: Agora Energiewende

Impacts of nuclear phase-out in Germany on the security of electricity supply and electricity imports and exports in Germany and Europe (2013)

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

Commissioned by: Greenpeace Germany

Legal barriers to climate protection in building planning and design (2013)

Kenkmann, T.; Bürger, V.; Hermann, A.; Keimeyer, F.; in cooperation with: co2online; Prof. Dr. Stefan Klinski

Commissioned by: German Environment Agency (UBA)

Preparation and supervision during the development of a progress report in accordance with §18 of German Renewable Energies Heat Act (EEWärmeG) (2013)

Bürger, V.; Becker, L.; in cooperation with: ECOFYS; Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI); Institut für ZukunftsEnergieSysteme (IZES); Prof. Dr. Stefan Klinski

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

Smart Grids Platform of Baden-Wuerttemberg (2013)

See also: <http://www.sgp-bw.de/>

Bauknecht, D.; Heinemann, C.; Koch, M.; Ritter, D.; Sachs, A.; in cooperation with: Fichtner Engineering & Consulting

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

Support for the development and operation of an electronic Guarantees of Origin register for electricity from renewable energies (2013)

Timpe, C.; Becker, L.; Seebach, D.; in cooperation with: OFFIS-Institute for Informatics; Becker Büttner Held Berlin (BBH); Chair of Business Information Systems and Electronic Government, University of Potsdam; Kuhbier, Rechtsanwälte Hamburg

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

4 Regional and communal energy and climate protection policy

City of Freiburg: Continuation of 2018 Climate Protection Plan (in progress)

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

Commissioned by: Stadt Freiburg im Breisgau

CO2-free (in progress)

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) (in progress)

Schumacher, K.; Repenning, J.; Wiegmann, K.; Zell-Ziegler, C.; in cooperation with: Institute for Energy and Environmental Research (IFEU)

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

Evaluation of the Renewable Heat Law Baden-Württemberg (in progress)

Bürger, V.; Kenkmann, T.; in cooperation with: Institute for Energy and Environmental Research (IFEU)

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

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 (in progress)

Gensch, C.; Braungardt, S.; Bürger, V.; Kenkmann, T.; in cooperation with: Deutsches Institut für Urbanistik (Difu)

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

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 (in progress)

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 (IWU); Potsdam Institute for Climate Impact Research (PIK); UmbauStadt GbR

Commissioned by:

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 (*in progress*)

Hennenberg, K.; Hünecke, K.

Commissioned by: Fachagentur Nachwachsende Rohstoffe e.V. (FNR)

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 (UM BW)

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: Landeshauptstadt 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 (UM BW)

Support services regarding an early closure of the coal-fired cogeneration power plant in Munich-Nord (2016)

Timpe, C.; Gores, S.; Hermann, H.; Rausch, L.; Ritter, D.

Commissioned by: Stadtwerke München

Scenarios for a shutdown of the cogeneration plant Munich Nord (2015)

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

Commissioned by: Stadtwerke München

Relaunch for the climate: climate protection and consumption advice for new residents in six pilot communities (2014)

Brohmann, B.; Hünecke, K.; Rausch, L.

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

Report on Rhineland-Palatinate distribution network (2014)

Koch, M.; Bauknecht, D.; Cook, V.; Heinemann, C.; Hennenberg, K.; Najib, H.; Ritter, D.; Wimmer, D.; in cooperation with: Energynautics

Commissioned by: Ministerium für Wirtschaft, Klimaschutz, Energie und Landesplanung Rheinland-Pfalz (MWKEL)

Supporting Municipal Utilities of Karlsruhe in development to a climate-friendly utility (2013)

Möller, M.; Antony, F.; Bleher, D.; Bracker, J.; Timpe, C.

Commissioned by: Stadtwerke Karlsruhe