

- 2021 Sorting analysis of household waste and bio waste in a rural district in Lower Saxony
- 2020 Lecturer on AGS in the context of a master class in Northern Germany
- 2020 Expert report to determine the effects of the closure of a landfill in Northern Germany
- 2020 Laboratory tests for the recovery of residues from disinfection and classification of the residues in accordance with the Waste Catalogue Ordinance
- 2020 Laboratory tests on wastewater from paper production and development of first approaches for the treatment and recycling
- 2020 Technical and economic assessment of 3 biogas plants in Mecklenburg-West Pomerania
- 2020 Expert report on the sealing of a digestate storage container
- 2020 - 2022 R&D project to develop a resilient and self-learning recovery network for the recycling of wind turbines. Applied environmental research (AUF program to fund applied environmental research): RecycleWind 2.0
- 2020 - 2021 R&D projects to develop concepts for the automatic sorting of large pieces of waste and thus to improve the recycling rate in this sector. For this, state-of-the-art technologies from robotics, sensors and AI are used. AI lighthouses for the environment, climate, nature and resources: AI and robotics for a sustainable circular economy (SmartRecycling), BMU
- 2020 Studies on quality of finished compost
- 2020 Calculation of electricity losses for biogas plants when feeding into the grid
- 2020 Analysis for treatment of waste water from paper production
- 2020 Concept generation for the establishment of a recycling and disposal centre for onshore and offshore wind turbines in Bremerhaven
- 2020 Workshop "Recycling of plastic waste – use of recyclates in industry and commerce"
- 2019 - 2020 Consulting services for waste management as part of planning for the reconditioning of port facilities in Zanzibar
- 2019 Lecturer on AGS in the context of a master class in Northern Germany
- 2019 Expert report to determine the degree of completion of a bio-waste fermentation plant in Italy
- 2019 Expert report on the functionality and efficiency of a planned biogas plant in Brandenburg
- 2019 Expert report on a district heating network in Rhineland-Palatinate
- 2019 Semi-industrial fermentation tests for determining the suitability of cattle and pig manure as feedstock in dry fermentation (batch)
- 2019 Expert report on damage to a generator
- 2019 Determination of the calorific value of sorting residues from commercial waste treatment
- 2019 Planning services for upgrading of a biogas plant in lower Saxony
- 2019 Expert report on Commercial waste ordinance for a company in Bremen
- 2019 Sorting analysis of waste paper from municipal collection for a city in Lower Saxony
- 2019 Networking to empower businesses and to promote more sustainable production through recycling of plastics

- 2019 - 2021 7th Energy Research Programme of the Federal Government “Research for an environmentally-friendly, reliable and affordable energy supply”: EnEff:Bremerhaven – Smart Harbor Application Renewable Integration Concept (SHARC)
- 2018 - 2019 Material flow analysis of waste in a harbor district
- 2018 - 2019 Operation support for optimization of bio-waste treatment and recycling in North Rhine-Westphalia
- 2018 - 2019 Sorting analysis of residual waste for a city in Lower Saxony
- 2018 Studies on the state of construction waste utilization in Bremen
- 2018 Technical-economic assessment of composting sites for green waste
- 2018 Sorting analysis of commercial waste from a commercial waste sorting plant
- 2018 Investigations on the separation of plastic-wood-mixtures of a production company in North Rhine-Westphalia
- 2018 Expert report on the value of planning documents as a basis for calculations for the construction of biogas plants in Mecklenburg-West Pomerania
- 2018 Expert report on damage to a biogas plant in North Rhine-Westphalia
- 2018 Expert report on Commercial waste ordinance for a company in Lower Saxony
- 2018 Expert report on Commercial waste ordinance for a company in Bremen
- 2018 Sorting analysis on commercial waste of a car manufacturer in Bremen
- 2018 Preparation and evaluation of an online survey for a federation in Northern
- 2018 Laboratory tests on purification of ammonia contaminated wastewater
- 2018 Expert report in relation to the dry fermentation bonus for a biogas plant in Thuringia
- 2018 Expert report on commercial waste ordinance for a company in Lower
- 2018 Lecturer on AGS in the context of a master class in Northern Germany
- 2018 Expert report on damage to a biogas plant in Lower Saxony
- 2017 Expert report on damage to a biogas plant in Brandenburg
- 2017 Assessment of a biogas plant in Mecklenburg-West Pomerania
- 2017 Sorting analysis of different paper types of a paper mill in northern Germany
- 2017 Studies to determine the biodegradability of coffee capsules during composting
- 2017 - 2019 Plastics in the environment – Sources, sinks, potential solutions: KuWert, “Vessel-based treatment of plastics for the implementation of value chains in less developed countries and to avoid plastic input in the environment, particularly marine ecosystems”, BMBF
- 2017 Composting test to determine the biodegradability of hygienic papers
- 2017 Expert report on damage to the gas storage roof at a biogas plant in North Rhine-Westphalia
- 2017 Expert report on damage to fermenters at a biogas plant in North Rhine-Westphalia
- 2017 Valuation on two biogas plants in Saxony-Anhalt
- 2017 Preliminary planning and investigations for the conversion of a rotting tunnel to a dry fermentation box

- 2017 Preparatory investigations at a biogas plant in Brandenburg for verification within the framework of an environmental expert report
- 2017 Expert report on a broken agitator of a biogas plant in Lower Saxony
- 2016 - 2017 Operation support and studies on process optimization of a composting plant in Lower Saxony
- 2016 - 2017 Expert valuation report of an insolvent biogas plant in Brandenburg
- 2016 Tender of a bio waste treatment plant in Baden-Württemberg
- 2016 Preparation of permit applications for improved performance of a biogas plant
- 2016 Preliminary emission measurement of a waste treatment plant
- 2016 Tender of a bio waste treatment plant in northern Germany
- 2016 Process assessment for treatment of bio waste from municipal waste collection
- 2016 Laboratory tests of specific biogas yield and quota of contraries of bio waste after pre-treatment by DRM-Hybrid
- 2016 Sorting analysis of screenings from bio waste composting
- 2016 Investigations to optimize the treatment and recycling of bio-waste in Baden-Württemberg
- 2016 Tests of specific biogas yield for co-substrates of biodiesel production
- 2015 - 2019 Operation support of a wet fermentation plant for food waste in Lower Saxony
- 2015 - 2016 Semi-industrial fermentation tests for determining the suitability of various co-substrates as feedstock in dry fermentation (batch)
- 2015 - 2016 Studies on the extraction of wood and mulch from green and garden waste of a composting plant in northern Germany; Specification of bio waste and sorting analysis of sieving residues
- 2015 Sorting analysis of waste paper from municipal collection
- 2015 Expert report on the use of iron and lime sludge from water treatment in a biogas plant in Saxony
- 2015 Consulting/analysis of ashes and condensates from wood gasification plant for disposal
- 2015 Appraisal (degree of completion) of a fermentation plant in Italy
- 2015 Technical upgrading (emissions) of a CHP plant in Saxony
- 2015 Site-specific planning to set up a bio-waste digestion plant in Baden-Württemberg
- 2014 - 2017 Investigations to optimize the treatment and recycling of bio-waste in North Rhine-Westphalia
- 2014 Assessment of 5 biogas plants
- 2014 Laboratory tests of specific biogas yields of horse dung (200l approaches)
- 2014 Valuation of 12 biogas plants in North- an East-Germany
- 2014 Valuation of 2 biogas plants in Mecklenburg-West Pomerania
- 2014 Expert report on bio-waste utilization in a district of Baden-Württemberg
- 2014 Expert report on valuation of a biogas plant in the Hannover area
- 2014 Complementary study on tax issues after the sale of a biogas plant in the area of Lüneburg

- 2014 Laboratory tests to maximize biogas yields in the co-digestion of food waste (200l approaches)
- 2014 Expert report on valuation of a biogas plant in the Leipzig area
- 2013 - 2015 Attendance of acquisition and optimization of a biogas plant for bio-waste near Bremen
- 2013 - 2014 Feasibility study, conceptual design and tender of a biogas plant for municipal bio-waste collected from trade and households for a large city in northern Germany
- 2013 - 2014 Expert report on valuation of a biogas plant in the administrative district of Vechta
- 2013 Laboratory tests of thermophilic and mesophilic co-digestion of bio-waste (200l approaches)
- 2013 Laboratory tests of specific biogas yields of bio-waste from Germany, Italy and Switzerland
- 2013 Assessment of fermentability of processed organic waste
- 2013 Studies on constructed wetlands for wastewater treatment
- 2013 Assessment of the expansion options of sewage treatment plants in Albania regarding the integration of a biogas plant to increase energy efficiency
- 2013 - 2015 Schaufenster Elektromobilität - Showcase Bavaria-Saxony "Electric Mobility combines": Demonstration use of refuse collection vehicles with hybrid drive and development of an optimized route planning software for hybrid vehicle
- 2013 Training program on "Biogas" in the context of wastewater treatment for the staff of Albanian wastewater utilities
- 2013 Sorting analysis to capture the proportion of small electrical appliances in the residual waste
- 2013 Training program: "Build-up, implementation and experiments of bio laboratory at the Polytechnical University of Tirana" under the "Capacity Development for a sustainable Energy and Climate Policy in Middle-and Eastern Europe"
- 2012 - 2013 Development of a model for estimating CO₂ emissions from waste management measures at the level of "waste producers authorities"
- 2012 - 2013 Development of a concept for a lean gas storage to reduce emissions at a biogas plant
- 2012 - 2013 Development of a waste management concept for the offshore wind industry in northern Germany
- 2012 Consulting services for the construction of a biogas plant in northern Germany
- 2012 Expert report to assess the profitability of a biogas plant
- 2012 Mold measurement in a waste treatment facility in Lower Saxony
- 2012 Sorting analysis of household-type waste for a school in Lower Saxony
- 2012 - 2014 Optimization of occupational health and safety in the automotive industry (OptimAG)
- 2012 - 2014 Energy efficiency of buildings
- 2012 Fuel management in an RDF power plant in Lower Saxony
- 2012 Analysis of possible savings by the use of more efficient hybrid waste collection vehicles
- 2012 Sorting analysis of plastics (bulky waste) in a northern German city, and analysis of recovery options and opportunities
- 2012 Plausibility assessment and consulting services of a system concept for a biogas plant in India

- 2012 Laboratory tests of specific biogas yields of grass silage from Netherlands
- 2012 Sorting analysis of recyclables (yellow bag) in several rural districts in Lower Saxony
- 2011 - 2012 Exhaust measurement, optimization of the exhaust air streams, plant upgrading, etc. of a waste treatment plant in Thuringia
- 2011 Energy efficiency analysis of a plant site in Lower Saxony taking into account functional units
- 2011 Sorting analysis of household waste in several rural districts in Lower Saxony
- 2011 Carbon Footprint of a geothermal plant
- 2011 Feasibility study for the conversion of a composting plant in Nordrhein-Westfalen
- 2011 - 2014 Quality assurance in the food industry - emphasis fishing industry (QSL II)
- 2010 - 2011 Studies on the potential of the landfill remediation in northern Germany
- 2010 - 2011 Extension of the database for the evaluation of CO₂ - emissions by efficiency evaluation of different value chain
- 2010 Emission measurements in an MBA in Lower Saxony
- 2010 Sorting analysis of household waste in an MBA in Lower Saxony
- 2010 Monitoring and attendance of performance record of a dry fermentation plant in Thüringen
- 2010 Studies on the market potential of small wind turbines
- 2010 Studies on the preparation of GRP remnants
- 2009-2010 Robot-assisted sorting of waste (ROSA)
- 2009 – 2010 Monitoring and attendance of performance record of dry fermentation plants for bio-waste in Lower Saxony and North Rhine-Westphalia
- 2009 Sorting analysis of waste paper, impurities in container places, illegal dumping and disposal of waste in public places in Bremen
- 2009 Development of a database for the evaluation of CO₂ - emission of an energy supply company
- 2009 Studies on the optimization of ventilation in a box composting facility
- 2009 Feasibility study and construction of a biogas plant for anaerobic digestion of municipal organic waste
- 2009 Identify of specific biogas yields of hop crop residues, organic waste from the U.S., fines from residual waste, etc.
- 2009 Development of a refurbishment concept as well as consultancy and implementation for a wet fermentation plant for bio-waste in Lower Saxony
- 2008 - 2012 EU-Project: CODWAP, "Collaborative curriculum Development on waste management in Africa and Pacific region", EDULINK Programme
- 2008 Inventory, documentation and monitoring of a company's internal use or a sale of a waste treatment facility
- 2008 Studies on the orientation and development of the collection, treatment and recycling of organic waste
- 2008 - 2010 Strategies for technological change in the automotive crafts (StraTek)
- 2008 - 2010 Quality assurance in the food industry - emphasis fishing industry (QSL)

- 2008 Comparative life cycle assessment studies on the emissions from the transportation of waste on ship, rail and truck
- 2008 Case-specific identification and comparative analysis of the modes of transport truck and rail CO₂ emissions associated
- 2008 Co-digestion of sewage sludge and organic waste - consulting services to the current plans to optimize the digestion of a sewage treatment plant in Mecklenburg-West Pomerania
- 2008 Sorting analysis including types of plastics determination of input and output fractions of sorting of the recycling parks Lower Weser
- 2008 - 2010 RessourcenManager: A material flow model for the cycle and waste management
- 2008 - 2009 Aeration of digestate from the dry fermentation with 4 m bed height
- 2007 Studies on the reduction of the electric energy demand at a composting plant in Schleswig-Holstein
- 2007 Scientific support of commissioning of a biogas plant in Rheinland-Pfalz
- 2007 Inventory and prospects for development of the environmental industry in the state of Bremen
- 2007 Feasibility study for the treatment of grease from grease traps
- 2007 - 2009 EU-Project: INVENT, "Integrated waste management modules for different courses of graduate Studies", Asia-Link Programme
- 2007 EU-Training course (further education): "Response to chemical pollution", Training course to give an overview on the methodology to respond to chemical pollution by HNS at sea and on the seabed, EU-Training course in the field of accidental or deliberate marine pollution
- 2006 - 2007 Scientific support for the implementation of the concept for the adoption of loose residual waste
- 2006 Ecological and energetic assessment of recovery of moderate caloric waste
- 2006 Experts' report on the treatment options of the residual fraction from the secondary fuel treatment
- 2006 - 2007 Accompanying investigations to the commissioning of mechanical-biological waste treatment plant in northern Germany
- 2006 - 2007 Planning, construction, commissioning and operational support of a biogas plant for renewable resources in the north of Bremen
- 2006 - 2007 Scientific evaluation of a pilot plant for the fermentation of organic waste, Expert statement on the evaluation of the process
- 2006 Feasibility study for solar sludge drying
- 2006 Feasibility study on the construction of a biogas plant for organic waste near Bremen
- 2006 - 2008 EU-Project: PROTEKT, "Development of practise oriented guidelines for handling and treatment of oil contaminated water in industries and trades in Thailand", Asia Invest Programme
- 2006 - 2007 e-LUISA, e-learning for the automotive craft on the example of an environmentally friendly garage
- 2006 - 2007 E-LAN, E-learning for safety and quality in the food industry, fishing industry focus
- 2006 Development of a short concept to supply a biodiesel plant in northern Germany

- 2006 Expert report for the construction and operation of a biogas plant for renewable resources from agriculture
- 2006 Accompanying studies on the modernization of a waste incineration plant
- 2006 Scientific studies on the biological treatment of CPA wastewater
- 2006 Assessment of profitability of a biogas plant for renewable resources
- 2006 Study on the development of a concept for direct discharge of wastewater from the premises of a hazardous waste treatment
- 2006 European Commission Workshop „Guidelines on minimisation of environmental damage in case of marine pollution”
- 2006 Eco-balance studies on the expansion options of a MBT
- 2005 - 2006 Scientific support the commissioning of a secondary fuel reprocessing plant: sorting analyzes to determine the composition of various wastes, expert reports for process optimization
- 2005 - 2007 Scientific monitoring of the operation of a mechanical-biological stabilization system, implementation of sorting analyzes and experiments for process optimization
- 2005 - 2006 Advice on the development of the environmental industry in the state of Bremen
- 2005 - 2006 Testing of the Integrated Product Policy (IPP) - Development of an ecological insulating material based on water glass
- 2005 - 2006 Feasibility study on the production of energy from waste wood
- 2005 - 2006 Studies to develop a concept for direct discharges of wastewater
- 2005 - 2006 Treatment of polluted waste papers and identification of potential recycling routes
- 2005 - 2006 Various sorting analyzes to determine the composition of different calorific waste
- 2006 Supplementary report on assessing the economic viability of biogas plants
- 2005 - 2006 Concretization of IPP strategies for environmental improvement of the example of the development of an ecological insulating material - Ideas Competition for the testing of the Integrated Product Policy (IPP) in the state of Bremen
- 2005 Expert report on the efficiency of a biogas plant
- 2005 Project study "Sustainable and environmentally sound water resource and waste management for the development and management of industrial parks in Vietnam"
- 2005 - 2006 EU-Projekt: SACODI, "Development of guidelines for segregation, collection and safe disposal of hazardous waste", Asia Pro Eco Programme
- 2005 Feasibility study on the use of renewable energy
- 2005 Accompanying investigations to the commissioning of a MBT
- 2005 Ecological assessment of various options for energetic treatment of high caloric waste in Bremen
- 2005 - 2006 EU-Project: RENEW, "Feasibility study on the production of renewable energy for Phu Quoc/S.R. Vietnam, by biogas plants and biomass combustion plants ", EC-ASEAN Energy Facility Programme
- 2004 - 2005 Scientific monitoring of composting on a dry fermentation plant. Expert report for the evaluation of the overall process

- 2004 - 2005 EU-Training course: Workshop on Environmental Damage: "Guidelines on minimisation of environmental damage in case of oil pollution"
- 2004 Optimization of logistics for data disposal at an automotive company
- 2004 Study on phosphate availability of conditioned, iron-containing fermentation residues from biogas plants with respect to any agricultural use
- 2004 CO₂ and energy balance of different methods of energy recovery - method comparison, taking into account climate-relevant emissions
- 2004 Development of concepts for the use of municipal solid waste landfills after 2005
- 2004 Research and presentation of the EU funding structures and developing of recommendations for the alignment of an operation of the environmental industry with these structures
- 2004 Feasibility study for solar sludge drying
- 2004 - 2006 Scientific monitoring of a pilot plant for dry fermentation of bio-waste
- 2004 - 2006 eLearning for the automotive trade for sewage and waste optimization
- 2004 - 2005 EU-Project: BIOREM, „Development of guidelines, for the bioremediation of shorelines contaminated by marine oil spills, for Vietnam, including a workshop and a training course whose results are disseminated and integrated into the curricula“, Asia Pro Eco Programme
- 2004 Studies on the selection and testing of containers for mechanized biol. stabilization
- 2004 Expert statement for the evaluation of classification criteria for specific types of waste that can be disposed on a landfill in future
- 2004 Participation in the organization of the conference "control impulses for sustainable regional development"
- 2004 Studies on the separation of wood from bulky waste and commercial waste as well as determining the impact of a levy of the wood portion of the material flows of a Mechanized biol. Waste Treatment
- 2003 - 2004 EU-Project: BiWaRE "Development of an integrated 'decision support system' for the application of renewable energy Technologies from organic substrates with applied examples from Vietnam and Thailand - implementation through networked experience of technology and training", ASEAN-EU University Network Programme (AUNP)
- 2003 Studies on the mechanical treatment of municipal waste for material flow separation with special consideration of the crushing of the waste in a ball mill
- 2003 Mechanical-biological waste treatment: determination of the dependence of the stabilization result of the aeration rate
- 2003 Studies to develop a concept for the disposal of industrial waste, including a sorting plant in Saxony
- 2003 Offer development for an announcement for the mechanical-biological residual waste treatment in a district in Baden-Württemberg
- 2003 Experts' report on the composition of municipal waste for a rural district in Germany (household waste analysis)
- 2003 Optimization of a biogas plant
- 2003 Tests to determine the recovery potential of material flows from a construction waste sorting plant
- 2003 Customer Satisfaction Analysis for Environmental Economics

- 2003 Studies on the reduction of the amount of exhaust air from mechanical-biological stabilization systems
- 2003 Feasibility study on the implementation of the Integrated Product Policy (IPP) in the state of Bremen
- 2003 Organization and conducting of the conference "street cleaning in the course of time"
- 2003 Studies on the optimization of a mechanical-biological stabilization system as well as planning and coordination of exercise
- 2003 - 2004 New sustainable production methods for the manufacture of innovative materials for technical applications and textiles by means of biotechnological modification of natural fibres
- 2003 Studies on the efficient use of biomass from the maritime sector in biogas plants through enhanced hydrolysis
- 2002 - 2003 S.U.U.M.A., concept for safe and environmentally sound handling of materials and waste in the operation and maintenance of offshore wind turbines
- 2002 First preliminary planning for decentralized treatment of wastewater from a residential camp in Luanda, Angola
- 2002 - 2003 EU-Training course: Bioremediation of Wastes from Marine Pollution, EU-Training course in field of accidental or deliberate marine Pollution
- 2002 - 2003 EU-Training course: Treatment of Pollution Waste, EU-Training course in field of accidental or deliberate marine Pollution
- 2002 - 2003 Pro A.G.U., Production integrated health, safety and environmental protection, Handling enhancements in case of Oil/Water mixtures
- 2002 - 2003 EU-Training course: Response to oil pollution at sea and on the coast, EU-Training course in field of accidental or deliberate marine Pollution
- 2002 Expert report on optimization of a material flow concept for the operation of a planned MBT
- 2002 Studies on the development of recovery strategies for incontinence waste
- 2002 Studies on the composition of packaging waste from the automotive industry
- 2002 - 2003 Bremen Best Practices: Development and implementation of a regional online portal "Bremen Best Practice" for innovative projects, concepts and products in the context of sustainable development
- 2002 Semi Technical studies for the stabilization of residual waste from the district Osterholz: specification of partial fractions of the waste for a further biological treatment for inerting and subsequent deposition on a TASI landfill.
- 2002 Consulting services for the utilization of hospital waste and establishing a biogas plant in the Dublin area, Ireland
- 2002 Preliminary planning for the construction of a mechanical-biological stabilization of residual waste of a Brandenburg authority
- 2002 Laboratory, pilot-scale and large-scale experiments on bioremediation of contaminated dredged material with tin organic compounds in the field Bremerhaven - including project coordination
- 2002 EU-Training course: International Liability and Compensation Regimes, EU-Training course in field of accidental or deliberate marine Pollution
- 2002 Laboratory and on-site investigations on the optimization of a biogas plant in Mecklenburg-West Pomerania

- 2002 - 2003 Studies on traffic optimization in the recycling economy by linking supply and waste transports
- 2001 - 2002 Preliminary investigations of the use of alternative fuels in the brick industry, modification and testing of the task system
- 2001 Search the nationwide cost structure of commercial waste
- 2001 Semi Technical studies for the mechanical-biological treatment of reject materials
- 2001 First preliminary planning for the operation of a wastewater treatment plant
- 2001 Studies on the establishment of a mechanical-biological stabilization system for residual waste
- 2001 Studies on the specification of mechanically-biologically treated residual waste
- 2001 Studies of the pollutant content of soil on an industrial site - risk assessment
- 2001 - 2002 Studies on the assessment of waste on their suitability as a substrate for fermentation in biogas plants, determination of the spec. Biogas yield of various substrates
- 2001 - 2002 Half scale tests for bioremediation of TBT-contaminated dredged material
- 2001 - 2004 EU-Projekt: AWARENET, "Agro food Waste minimisation And Reduction NETwork
- 2000 - 2001 Semi Technical studies for the production of alternative fuels from high-calorific waste
- 2000 Studies to increase the biogas production at a biogas plant in Mecklenburg-West Pomerania
- 2000 - 2001 Consulting services for the preparation of licensing documents for a construction waste sorting plant
- 2000 Industry Analysis "Cleaner Production" for the state initiative PIUS, Bremen
- 2000 Laboratory and pilot-scale studies on the bioremediation of TBT-contaminated dredged material
- 2000 Studies to optimize the water quality and the milk of lime suspension of the waste incineration plant Bremen
- 2000 Physico-chemical studies on the specification of incontinence waste
- 2000 Semi Technical studies for the mechanical-biological treatment of incontinence waste
- 2000 Semi Technical studies for the stabilization of residual waste in a Saxon rural district
- 2000 Studies on the utilization of seagrass
- 2000 - 2001 Studies on the optimization of a biogas plant in Mecklenburg-West Pomerania
- 2000 - 2001 Emissions from a mechanical-biological, stabilization system: further development of air treatment in relation to the 30.BImSchV, development of measures for the reduction of emissions