

# Third-party funded projects

## Research on authenticity testing of food and feed

Time period	Acronym	Topic	Further information
05/2016–04/2019	Animal-ID	Animal ID: Development and validation of innovative methods for traceability and authentication of animal proteins in food and feed	BMEL (FKZ: 2816503514)
09/2016–12/2019	FoodAuthent	Development of a system for collecting, analysing and using product authenticity data	BMEL (FKZ: 2816502914)

## Research on human, animal and environmental health (One Health)

Time period	Acronym	Topic	Further information
08/2017–07/2020	RoBoPub	Refinement of public health through a better understanding of the epidemiology of rodent-borne illnesses	BMBF (FKZ: 01K11721B)
09/2017–08/2020	#1Health-PREVENT	One Health interventions to prevent zoonotic spread of antimicrobial-resistant pathogens	BMBF (FKZ: 01K11727C)
09/2017–10/2020	PAC-CAMPY	Prevention and control of Campylobacter infections: A “One Health” approach	BMBF (FKZ: 01K11725B)
01/2018–12/2022	One Health EJP	Promoting One Health in Europe through joint actions on foodborne zoonoses, antimicrobial resistance and emerging microbiological hazards	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–06/2021	ORION	One Health surveillance initiative on harmonization of data collection and interpretation	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–06/2021	COHESIVE	One Health structure for signalling and risk-assessment of emerging threats across Europe	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–12/2020	IMPART	Improving phenotypic testing of AMR by development of rapid and sensitive screening assays for emerging resistances and setting missing ECOFFs	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–06/2021	ARDIG	Antibiotic Resistance Dynamics: the influence of geographic origin and management systems on resistance gene flows within humans, animals and the environment	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–12/2020	RaDAR	Integrative modelling approaches for source attribution and health impact assessment of antimicrobial resistance	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–06/2021	TOXdetect	Development and harmonization of innovative methods for comprehensive analysis of toxigenic bacteria, ie. Staphylococci, Bacillus cereus and Clostridium perfringens	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2018–06/2021	NOVA	Novel approaches for the design and evaluation of cost-effective surveillance across the food chain	EU (GAN: 773830) <a href="https://onehealth.ejp.eu/">https://onehealth.ejp.eu/</a>
01/2019–12/2021	IGS-Zoo	Integrated genomic surveillance of zoonotic pathogens	BMG (FKZ: ZMVI1-2518FSB706)

### Abbreviations of funding agencies

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### Research on exposure assessment and assessment of biological risks

Time period	Acronym	Topic	Further information
11/2015–06/2019	EsRAM	Development of multi-stage reduction measures for antimicrobial-resistant pathogens in broiler poultry	BMEL (FKZ: 2817701614)
01/2010–12/2022	Leptospirose	Reference laboratory for leptospirosis – Studies on the occurrence of leptospirosis in small mammals	RKI (FKZ: 1369-365)
03/2016–02/2020	Rotaviren	Characterisation of the zoonotic potential of rotaviruses in poultry	DFG (GZ.: JO369/4-3)
04/2016–12/2019	CAMPY-TRACE	Combined real-time PCR with live/dead discrimination approach for the quantitative risk assessment of viable Campylobacter applicable in international control strategie	BMBF (FKZ: 031B0054A)
01/2017–12/2019	MolTypList	Molecular Typing of Listeria monocytogenes in food and humans as the basis for efficient risk assessment and control of listeriosis in Germany	BMG (FKZ: GE20160326)
07/2017–03/2020	Vegan diet	Vegan diet and bone health	Elsbeth-Bonhoff-Stiftung (Projektnr.: 167)
09/2018–10/2021	UVegg	Use of UV/UV LED radiation to reduce microorganisms on eggs	BMEL (FKZ: 281A106716)
09/2018–08/2021	SmallFishFood	Small Fish and Food Security: Towards innovative integration of fish in Africa food systems to refine nutrition	BMEL (FKZ: 2817LEAP06)
06/2018–05/2021	BLV Schweiz	Stability and inactivation of Hepatitis E virus in food production and the environment	BLV Schweiz (Projektnummer 4.18.01)
05/2018–04/2021	AfRota	Antigens and reassortant strains for rotaviruses circulating in Africa	DFG (GZ.: JO 369/5-1)
01/2019–12/2021	GÜCCI	Genome-based surveillance of transmissible colistin and carbapenem resistances of Gram-negative bacteria	BMG (FKZ: ZMVI1-2518FSB707)
03/2019–02/2022	CHED	Characterization of chronic hepatitis E in Germany: molecular epidemiology, pathophysiology and clinical aspects	BMG (FKZ: ZMVI1-2518FSB705)
03/2019–02/2022	GenoSalmSurv	Integrated genome based surveillance of salmonellae	BMG (FKZ: ZMVI1-2518FSB709)

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### Research on the safety of national and international food chains

Time period	Acronym	Topic	Further information
03/2016–02/2020	MyToolBox	Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	EU (GAN: 678012) <a href="http://www.mytoolbox.eu">www.mytoolbox.eu</a>
05/2016–10/2019	Ess-B.A.R.	Food safety and resilience of food supply chains in biohazard situations	BMBF (FKZ: 13N13982)
07/2016–08/2019	SAD-Zambia	<i>Staphylococcus (S.) aureus</i> in the dairy food chain in Zambia – combating foodborne disease and antimicrobial resistance in humans	BMEL (FKZ: 2815DOKP04)
01/2017–12/2019	AGINFRA+	Accelerating user-driven e-infrastructure innovation in the feed and food sector	EU (GAN: 731001) <a href="http://www.plus.aginfra.eu">www.plus.aginfra.eu</a>
03/2017–04/2019	Risk Assessment Tools	Risk assessment tools for the safety of global food and feed supply chains	EFSA (GP/EFSA/AMU/2016/01)
09/2017–08/2021	EU-China-Safe	Delivering an effective, resilient and sustainable EU-China food safety partnership	EU (GAN: 727864) <a href="http://www.euchinasafe.eu">www.euchinasafe.eu</a>
06/2018–03/2019	Tracing supply chains 2	Project cooperation on developing existing IT infrastructure for tracing goods between the BfR and LANUV NRW	Ministry for Environment, Agriculture, Conservation and Consumer Protection of the State of North Rhine-Westphalia
11/2019–01/2023	ContamInsect	Contamination status evaluation and safety aspect exploration for an intensified utilization of edible insects in Kenya	BMEL (FKZ: 2819DOKA01)

## Research on the detection of contaminants and for the assessment of chemical risks

Time period	Acronym	Topic	Further information
05/2015–05/2019	EuroMix	European Test and Risk Assessment Strategies for Mixtures (EuroMix)	EU (GAN: 633172) <a href="http://www.euromixproject.eu">www.euromixproject.eu</a>
04/2016–06/2020	EuroCigua	Risk characterization of ciguatera food poisoning in Europe To determine the incidence and epidemiological characteristics of ciguatera cases in Europe	EFSA (GP/EFSA/AFSCO/2015/03)
05/2018–03/2019	Exposure pathways for lead	Exposure pathways for lead into the human body	BMU (FKZ: 3717 62 212 0)
12/2018–11/2021	PROSPeCT	Sorption and transfer behaviour of PFAA and selected precursor substances (precursors) in the soil-crop impact pathway for estimating and assessing the threat of PVC contamination	Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg (FKZ: BWPFC19002)
06/2019–09/2022	Data collection for Adhesive and sealant	Data collection on adhesives and sealants used in the consumer sector	BMU (FKZ: UM 1962 0010)

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## Research on modern methods in toxicology

Time period	Acronym	Topic	Further information
07/2015–01/2019	Okadaic acid	Molecular characterisation of the toxicological effect of the marine biotoxin okadaic acid in in vitro models for the human gastrointestinal barrier and liver	DFG (GZ.: LA1177/11-1)
12/2015–12/2019	PFOA	Molecular mechanisms of the toxicity of perfluorooctanoic acid (PFOA)	DFG (GZ.: LA1177/10-1) DFG (GZ.: BU3060/1-1)
10/2017–09/2020	Gastrointestinal barrier	Interaction of metabolism and transport of toxicological-relevant compounds in the gastrointestinal barrier	DFG (GZ.: LA1177/4-4)
06/2017–05/2020	PA1	Identification of the structure-dependent toxicity of hepatotoxic pyrrolizidine alkaloids	DFG (GZ.: LA1177/12-1)
06/2017–05/2020	PA2	Investigation of hepatotoxic and genotoxic potential as well as metabolism of pyrrolizidine alkaloids present in food	DFG (GZ.: TH1925/2-1)
01/2019–12/2022	Boost Crop	Boosting Crop Growth using Natural Product and Synthesis Enabled Solar Harvesting (Boost Crop)	EU (GAN: 828753)
01/2019–12/2023	EDCMET	Metabolic effects of Endocrine Disrupting Chemicals: novel testing METHODS and adverse outcome pathways	EU (GAN 825762)
03/2019–03/2022	AQUALLERG-ID	Development and validation of new methods for the qualitative detection and quantification of fish, crustacea and molluscs besides of insects as potential food allergens	BMEL (FKZ: 281A103016)

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## Research to harmonise and standardise exposure assessments

Time period	Acronym	Topic	Further information
01/2016–12/2020	Tender Animal Feeding	Determination of pyrrolizidine alkaloids in feed materials and compound feed by LC-MS/MS	EU (2013-12)
04/2017–06/2019	National poisoning monitoring	Pilot study to establish national monitoring of poisonings	BMU (FKZ: UM17653010)
01/2017–12/2021	HBM4EU	European Human Biomonitoring Initiative	EU (GAN: 733032) <a href="http://www.hbm4eu.eu">www.hbm4eu.eu</a>
09/2017–06/2021	LIFE VERMEER	Integrating the software tools VEGA, toxRead, MERLIN-Expo and ERICA into a single platform for risk assessment and substitution of risky substances	EU (LIFE16 ENV/IT/000167) <a href="http://www.life-vermeer.eu">www.life-vermeer.eu</a>
10/2017–10/2020	JATC	Joint Action on Tobacco Control	EU (GAN: 761297) <a href="https://jaotc.eu/">https://jaotc.eu/</a>
01/2018–01/2020	ComRisk	Communication inside Risk Assessment and Risk Management	EFSA (GA/EFSA/ AFSCO/2017/01 – GA05)
10/2019–09/2023	FNS-Cloud	Food Nutrition Security Cloud	EU (GAN: 863059)

### Research on alternative methods to animal experiments

Time period	Acronym	Topic	Further information
07/2017–06/2020	Severity assessment	Severity assessment from an animal's point of view	DFG (GZ: LE2356/5-1)
02/2017–01/2020	LivSys-Transfer	Transfer of the LivSys in vitro system for hepatotoxicity into application	BMBF (FKZ: 031L0119C)
01/2017–12/2019	Combiomics 2	Investigation of mixture effects of pesticides <i>in vitro</i>	BMBF (FKZ: 031L0118A)
12/2018–11/2022	EUROoC	Interdisciplinary training network for advancing Organ-on-a-chip technology in Europe	EU (GAN: 812954) <a href="https://eurooc.eu/">https://eurooc.eu/</a>
04/2018–03/2021	3R-SMART	Alternative methods – Configuration: 3R-SMART – Setting up of a training platform to establish practical expertise in 3R methods – TP 3	BMBF (FKZ: 031L0113C)

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### Research on functional analytics and early risk detection

Time period	Acronym	Topic	Further information
05/2017–04/2022	SafeConsumE	Safer food through changed consumer behavior: Effective tools and products, communication strategies, education and a food safety policy reducing health burden from foodborne illnesses	EU (GAN: 727580) <a href="http://safeconsume.eu/">http://safeconsume.eu/</a>
04/2017–04/2020	DEMETER	Processes and systems for identifying new food risks	EFSA (GP/EFSA/AFSCO/2016/01)
03/2019–03/2021	NovRBA	Novel foods as red meat replacers – an insight using Risk Benefit Analysis	EFSA (GP/EFSA/ENCO/2018/03)

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### Research on feed safety

Time period	Acronym	Topic	Further information
01/2014–03/2019	Tender Melamin	Detection of melamine and cyanic acid in feed by LC-MS/MS	CEN (SA/CEN/ENTR/522/2013-11)
07/2019–09/2023	PA-SAFE-FEED	Studies on the transfer of pyrrolizidine alkaloids to farm animals	BMEL (FKZ: 2818NA006)

### Nanotechnology research: Detection, toxicology, risk assessment and risk perception

Time period	Acronym	Topic	Further information
12/2015–02/2019	NanoToxClass	Establishing nanomaterial grouping/classification strategies according to toxicity for supporting risk assessment	BMBF (FKZ: 03XP0008A) <a href="http://www.nanotoxclass.eu">www.nanotoxclass.eu</a>
09/2015–02/2019	NANoREG 2	Development and implementation of Grouping and Safe-by-Design approaches within regulatory frameworks	EU (GAN: 646221) <a href="http://www.nanoreg2.eu">www.nanoreg2.eu</a>
05/2016–04/2019	NANOaers	Fate of aerosol-borne nanoparticles: The influence of surface-active substances on lung deposition and respiratory effects	BMBF (FKZ: 03XP0064A) <a href="http://www.nanoaers.eu/index.html">www.nanoaers.eu/index.html</a>
07/2017–06/2019	NANOHEPATOX	Assessment of possible synergistic or antagonistic toxicity mechanisms during co-exposure of in vitro models to cerium dioxide nanoparticles and environmental chemicals/pharmaceuticals	BMBF (FKZ: 01DH17052)
01/2017–12/2020	ACEnano	Analytical and Characterisation Excellence in nanomaterial risk assessment: A tiered approach	EU (GAN: 720952) <a href="http://www.acenano-project.eu">www.acenano-project.eu</a>
01/2018–06/2021	GRACIOUS	Grouping, Read-Across, Characterisation and classification framework for regulatory risk assessment of manufactured nanomaterials and Safer design of nano-enabled products	EU (GAN: 760840) <a href="http://www.h2020gracious.eu">www.h2020gracious.eu</a>
01/2018–12/2021	NanoCommons	The European Nanotechnology Community Informatics Platform: Bridging data and disciplinary gaps for industry and regulators	EU (GAN: 731032) <a href="http://www.nanocommons.eu">www.nanocommons.eu</a>
01/2019–02/2023	NanoinformaTIX	Development and Implementation of a Sustainable Modelling Platform for NanoInformatics (NanoinformaTIX)	EU (GAN: 814426)
01/2019–12/2022	Gov4Nano	From management to governance: risk and the needs of nanotechnology	EU (GAN: 814401)
04/2019–03/2022	InnoMatLife	Innovative Materials and New Production Methods-Safety over Life Cycle in Industrial Value Chains	BMBF (FKZ: 03XP0216A)

## International collaboration

Time period	Acronym	Topic	Further information
01/2014–12/2019	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA <a href="http://www.efsa.europa.eu/de/networks/fp.htm">www.efsa.europa.eu/de/networks/fp.htm</a>
01/2018–04/2020	BMZ Safe Pork	Safer indigenous pork and healthier ethnic minorities in Vietnam by better management of parasitic food borne diseases	ILRI
01/2019–12/2023	BMZ BUILD Uganda	BUILD – Boosting Uganda's Investment in Livestock Development	ILRI
09/2018–10/2019	Fellow Hosting GA6	Data science in risk assessment and early warning	EFSA (GP/EFSA/AFSCO/2017/08 – GA6)
09/2018–10/2019	Fellow Hosting GA7	Use of novel DNA and mass spectrometry-based detection methods	EFSA (GP/EFSA/AFSCO/2017/08 – GA7)
09/2018–08/2019	Fellow Hosting GA1 AGES-BfR	Chemical Exposure Assessment	EFSA (GP/EFSA/AFSCO/2017/08 – GA1)
01/2018–06/2019	Uncertainty Workshop	Organisation of an international scientific conference: on uncertainty	EFSA (GP/EFSA/AMU/2016/01 – SA4)
04/2019–04/2021	Risk Assessment Tools FoodChainLab	Map and analyse global food and feed supply chains	EFSA (GP/EFSA/AMU/2016/01 – SA5)
07/2019–07/2021	IMPACT	Standardising molecular detection methods to improve risk assessment capacity for foodborne protozoan parasites, using cryptosporidium in ready-to-eat salad as a model	EFSA (GP/EFSA/ GP/EFSA/ENCO/2018/03 – GA03)
09/2019–08/2020	Fellow Hosting GA1 AGES-BfR-EFET	Developing, organizing and delivering of training activities under EU FORA program	EFSA (GP/EFSA/ENCO/2019/01 – FWC1)
09/2019–08/2020	Fellow Hosting GA2	Risk Assessment of food contact materials and in particular their ingredients which come into contact with food	EFSA (GP/EFSA/AFSCO/2018/05 – GA2)
09/2019–08/2020	Fellow Hosting GA3	Risk assessment of botanical preparation used in food supplements and fortified foods	EFSA (GP/EFSA/AFSCO/2018/05 – GA3)
09/2019–08/2020	Fellow Hosting GA13	Risk assessment and toxicological research of micro- and nanoplastics after oral exposure via food products	EFSA (GP/EFSA/AFSCO/2018/05 – GA13)

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**i** **Additional information on the projects at**  
 German Federal Institute for Risk Assessment: [www.bfr.bund.de/en](http://www.bfr.bund.de/en)  
 Information System for Agriculture/Nutrition: [www.fisaonline.de/en](http://www.fisaonline.de/en)  
 BMEL research database (in German): [www.bmel-forschung.de/de/startseite/forschung/forschungsprojekte/projektbank.html](http://www.bmel-forschung.de/de/startseite/forschung/forschungsprojekte/projektbank.html)