

Third-party funded projects 2020

Research on authenticity testing of food and feed

Time period	Acronym	Topic	Further information
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)
02/2020–01/2023	Animal ID II	Market-ready development of innovative protein-based methods for species differentiation in food and feed products Further development and validation of innovative methods for traceability and authentication of animal proteins in food and feed products	BMEL (FKZ: 28RZ6IP001)
06/2020–05/2023	MEDIFIT	An Interlinked Digital Platform for Food Integrity and Traceability of relevant Mediterranean Supply Chains	EU (GAN: 1932) http://www.medifitprima.wordpress.com

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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)
09/2017–03/2021	#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) https://onehealth.ejp.eu/
01/2018–06/2021	ORION	One Health surveillance initiative on harmonization of data collection and interpretation	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2018–06/2021	COHESIVE	One Health structure for signalling and risk-assessment of emerging threats across Europe	EU (GAN: 773830) https://onehealth.ejp.eu/
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) https://onehealth.ejp.eu/
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) https://onehealth.ejp.eu/
01/2018–12/2020	RaDAR	Integrative modelling approaches for source attribution and health impact assessment of antimicrobial resistance	EU (GAN: 773830) https://onehealth.ejp.eu/
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) https://onehealth.ejp.eu/
01/2018–06/2021	NOVA	Novel approaches for the design and evaluation of cost-effective surveillance across the food chain	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2019–12/2021	IGS-Zoo	Integrated genomic surveillance of zoonotic pathogens	BMG (FKZ: ZMVI1-2518FSB706)

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11/2019–12/2021	MetaPath	MetaPath – Incorporation of Pesticide Residue Data	EFSA (OC/EFSA/PRES/2019/01)
01/2020–06/2022	OH Harmony CAP	One Health harmonization of protocols for detection of Foodborne Pathogens and AMR Determinations	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	MATRIX	Connecting dimensions in One Health Surveillance	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	FARMED	Fast Antimicrobial Resistance and Mobile-Element Detection using metagenomics for animal and human on-site tests	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	FULLFORCE	Full-length sequencing for an enhanced EFFORT to map and understand drivers and reservoirs of antimicrobial resistance	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	FED-AMR	The role of free extracellular DNA in dissemination of antimicrobial resistance over ecosystem boundaries along the food/feed chain	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	IDEMBRU	Identification of emerging Brucella species: new threats for human and animals	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	PARADISE	PARAsite Detection, Isolation and Evaluation	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	DISCoVeR	Discovering the sources of Salmonella, Campylobacter, VTEC and antimicrobial resistance	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	BIOPIGEE	Biosecurity practises for pig farming across Europe	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	TOXOSOURCE	Toxoplasma gondii sources quantified	EU (GAN: 773830) https://onehealth.ejp.eu/
01/2020–06/2022	BeONE	Building integrative tools for One Health Surveillance	EU (GAN: 773830) https://onehealth.ejp.eu/
02/2020–01/2023	CHANCE	Typing of Campylobacter from areas of high selection to develop new alert tools to address global challenges of increased antibiotic resistance	BMBF (FKZ: 031B0917A)
09/2020–08/2023	Allergen-Pro	Development and validation of innovative methods for the identification of allergenic components in foods	BMEL (FKZ: 281A304A18)
11/2020–10/2022	PAC-CAMPY 2	Prevention and control of Campylobacter infections: A “One Health” approach	BMBF (FKZ: 01KI2007B)
11/2020–11/2023	KontRed	Development and implementation of technological processes for the reduction of microbial contaminants in the poultry and pig slaughtering process	BMEL (FKZ: 281C104B18)
11/2020–05/2022	Processing	First update of the EU database of processing factors for pesticide residues	EFSA (GP/EFSA/AMU/2020/02-SA4)
12/2020–12/2023	RUEDIS	RUEDIS as an information management tool and database for pesticide residues trials data	EFSA (GP/EFSA/AMU/2020/02-SA2)

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Research on exposure assessment and assessment of biological risks

Time period	Acronym	Topic	Further information
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)
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)
06/2018–09/2021	BLV Schweiz	Stability and inactivation of Hepatitis E virus in food production and the environment	BLV Schweiz (Projektnummer 4.18.01)
05/2018–07/2021	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)
10/2019–09/2023	FNS-Cloud	Food Nutrition Security Cloud	EU (GAN: 863059)
04/2020–03/2022	BiozAR	Influence of biocides on the spread of antibiotic resistance in <i>Escherichia coli</i>	BMBF (FKZ: 01KI1907)
07/2020–06/2022	RoBoPub 2	Pathogen behaviour and epidemiology of leptospires	BMBF (FKZ: 01KI2004B)
11/2019–05/2021	FPA SA7	Extend the content, functionality and usability of the online FSK-Web model repository	EFSA (GP/EFSA/AMU/2016/01-SA7)

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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) https://www.mytoolbox.eu/
09/2017–08/2021	EU-China-Safe	Delivering an effective, resilient and sustainable EU-China food safety partnership	EU (GAN: 727864) http://www.euchinasafe.eu/

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

Time period	Acronym	Topic	Further information
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)
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)
01/2019–12/2022	Boost Crop	Boosting Crop Growth using Natural Product and Synthesis Enabled Solar Harvesting (Boost Crop)	EU (GAN: 828753)
06/2019–09/2022	Data collection on adhesives and sealants	Data collection on adhesives and sealants used in the consumer sector	BMU (FKZ: UM 1962 0010)
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 modern methods in toxicology

Time period	Acronym	Topic	Further information
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)
06/2017–12/2020	PA2	Investigation of hepatotoxic and genotoxic potential as well as metabolism of pyrrolizidine alkaloids present in food	DFG (GZ.: TH1925/2-1)
01/2019–12/2023	EDCMET	Metabolic effects of Endocrine Disrupting Chemicals: novel testing METHODS and adverse outcome pathways	EU (GAN 825762)
10/2020-01/2022	IUCLID	Configuration of the IUCLID database for use of dossier evaluation of active substances in plant protection products by MS	EFSA (GP/EFSA/AMU/2020/02-SA1)

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Research to harmonise and standardise exposure assessments

Time period	Acronym	Topic	Further information
01/2016–12/2022	Tender Animal feeding	Determination of pyrrolizidine alkaloids in feed materials and compound feed by LC-MS/MS	EU (2015-12)
01/2017–12/2021	HBM4EU	European Human Biomonitoring Initiative	EU (GAN: 733032) https://www.hbm4eu.eu/
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) https://www.life-vermeer.eu/
10/2017–12/2020	JATC	Joint Action on Tobacco Control	EU (GAN: 761297) https://jaotc.eu/

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Research on alternative methods to animal experiments

Time period	Acronym	Topic	Further information
07/2017–06/2021	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)
12/2018–11/2022	EUROoC	Interdisciplinary training network for advancing Organ-on-a-chip technology in Europe	EU (GAN: 812954) https://eurooc.eu/
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)
06/2020–05/2023	ImAI	Validation of an impedance-based eye irritation test for the detection of all GHS categories	BMBF (FKZ: 161L0227B)

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) http://safeconsume.eu/
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)

Research on feed safety

Time period	Acronym	Topic	Further information
01/2018–01/2020	ComRisk	Communication inside Risk Assessment and Risk Management	EFSA (GA/EFSA/ AFSCO/2017/01 – GA05)
07/2019–09/2023	PA-SAFE-FEED	Studies on the transfer of pyrrolizidine alkaloids to farm animals	BMEL (FKZ: 2818NA006)

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

Time period	Acronym	Topic	Further information
01/2017–06/2021	ACEnano	Analytical and Characterisation Excellence in nanomaterial risk assessment: A tiered approach	EU (GAN: 720952) http://www.acenano-project.eu/
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) https://www.h2020gracious.eu
01/2018–12/2021	NanoCommons	The European Nanotechnology Community Informatics Platform: Bridging data and disciplinary gaps for industry and regulators	EU (GAN: 731032) https://www.nanocommons.eu
01/2019–02/2023	NanoinformaTIX	Development and Implementation of a Sustainable Modelling Platform for NanoInformatics (NanoinformaTIX)	EU (GAN: 814426) https://www.nanoinformatix.eu
01/2019–12/2022	Gov4Nano	From management to governance: risk and the needs of nanotechnology	EU (GAN: 814401) https://www.gov4nano.eu
04/2019–03/2022	InnoMatLife	Innovative Materials and New Production Methods- Safety over Life Cycle in Industrial Value Chains	BMBF (FKZ: 03XP0216A)
04/2020–03/2023	NanoHarmony	Towards harmonised test methods for nanomaterials	EU (GAN: 885931) https://www.nanoharmony.eu
09/2020–08/2022	NanoRisk SD	Synthetic nanomaterials: New approaches for risk assessment and safe-by-design	BMBF (FKZ: 01DK20086)

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International collaboration

Time period	Acronym	Topic	Further information
01/2014–12/2022	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA https://www.efsa.europa.eu/de/networks/fp.htm
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
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)
03/2020–02/2023	FoodHub Montenegro	Centre of Excellence for Digitalization of microbial food safety risk assessment and quality parameters for accurate food authenticity certification (Food Hub)	University of Donja Gorica

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09/2020-08/2024	FPA2	Tools for evidence management in global information networks to achieve scientific advice on food and feed safety	EFSA (GP/EFSA/AMU/2020/02)
12/2020-12/2021	Fellow Hosting GA 19	Risk Assessment of food contact materials	EFSA (GP/EFSA/AFSCO/2018/05 – GA19)
12/2020-12/2021	Fellow Hosting GA20	Risk Assessment of botanical preparations used in food supplements and fortified foods	EFSA (GP/EFSA/AFSCO/2018/05 – GA20)

i **Additional information on the projects at**
 German Federal Institute for Risk Assessment: www.bfr.bund.de/en
 Information System for Agriculture/Nutrition: www.fisaonline.de/en

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