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A strategic research and innovation agenda for a sustainable livestock sector in Europe

Suggested priorities for research
for Horizon2020 2018-2020 Work Programme
to enhance innovation and sustainability in the livestock production
sector of Europe's food supply chains

Second White Paper of the Animal Task Force

Appendix 2 - Fit with past and on-going projects (EU funded)

December 2016

Appendix 2
Fit with past and on-going projects (EU funded)

Project short name and title	Comments on the scope - Specie(s) covered	Programme - Type of project	Link to ATF 2nd White paper
2-ORG-COWS: Towards preventive health management in native dual-purpose cattle adapted to organic pasture based production systems via novel breeding strategies based on novel trait recording	Reformulation of existing dairy cattle breeding goals, or the utilization of alternative and locally adapted breeds that historically emphasized functionality, robustness, and longevity in order to adapt the cow towards the local and natural production system - Specie(s): cattle	FP6 - ERA-NET CORE-ORGANIC	1.2. Efficient and robust animals adapted to new European feed sources; 3. Healthy livestock for healthy diets and healthy people
3SR: Sustainable Solutions for Small Ruminants	Mining genomic information of sheep and goats to deliver a step-change in our understanding of the genetic basis of traits underlying sustainable production and health. - Specie(s): sheep, goat	FP7 - SCP	1.2. Efficient and robust animals adapted to new European feed sources; 3. Healthy livestock for healthy diets and healthy people
4D4F: Data Driven Dairy Decisions 4 Farmers	Collecting real time information to help make more informed decisions in dairy farming. The network will develop a Community of Practice comprised of farmers, farm advisors, technology suppliers, knowledge exchange professionals and researchers who will work together to debate, collect and communicate best practice drawn from innovative farmers, industry and the research community to facilitate the co-creation of best practice. The results will be communicated to farmers using best practice guides on the use of sensors and data analysis tools supported by videos, infographics and an online virtual warehouse of dairy sensor technologies - Specie(s): cattle (dairy cow).	H2020 - ISIB-02-2015 - Closing the research and innovation divide	1.3. Precise management of animals
ACE-ART: Assessment and critical evaluation of antibiotic resistance transferability in food chain	Importance of Lactobacillus, Bifidobacterium, Lactococcus and Streptococcus thermophilus as a source of antibiotic resistance genes, transmission of resistance in the environment and in the animal and human gut, genetic basis of the detected resistances and transmission mechanisms. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - NoE - Network of Excellence	3.1. Responsible use of Antimicrobials 3.2. The microbiome from an integrated one-health perspective
ACTICAPS: Actiwhey based microencapsulation solution for sustainable food manufacturing	ACTIWHEY® microencapsulation technology for processing delicate substances and active ingredients to support sustainable antibiotic free food production, improved food safety and nutrition value, wider use of probiotics and increased functional foods production. - Specie(s): all	H2020 - SFS-08-2015 - Resource-efficient eco-innovative food production and processing	3.1. Responsible use of Antimicrobials 3.2. The microbiome from an integrated one-health perspective; 3.4. Integrity of food of animal origin and the production system
ADVANZ: Advocacy for the fight against Neglected Zoonotic Diseases	Persuading decision makers and empower stakeholders at local, regional, and international levels towards a coordinated fight against neglected zoonotic diseases (NZD), first and foremost in Africa - Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CSA-SA - Support actions	3. Healthy livestock for healthy diets and healthy people
AE-FOOTPRINT: The Agri-environmental Footprint: Development of a common generic methodology for evaluating the effectiveness of European agri-environmental schemes	Not specific to livestock - Specie(s): all	FP6 - STREP - Specific Targeted Research Project	1. Efficient use of biomass – food security; 2.2. Emissions mitigation
AGFORWARD: AGroFORestry that Will Advance Rural Development	incl. livestock systems with the integration of trees - Specie(s): cattle	FP7 - CP-IP - Large-scale integrating project	1. Efficient use of biomass – food security; 2.4. Services provided by livestock production systems

AgroCycle: Sustainable techno-economic solutions for the agricultural value chain	Converting low value agricultural waste into highly valuable products. AgroCycle addresses wastes from several agricultural sectors: wine, olive oil, horticulture, fruit, grassland, swine, dairy and poultry. - Specie(s): poultry, dairy, pigs	H2020 - WASTE-7-2015 - Ensuring sustainable use of agricultural waste, co-products and by-products	1.4. Efficient and safe management of manure and animal by-products
ALLBIO: Broadening the Bioinformatics Infrastructure to unicellular, animal, and plant science	Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CSA	4.1. Improving infrastructures for research and innovation
ALL-SMART-PIGS : Practical implementation of precision livestock technologies and services at European pig farms using the living lab methodology	Proving PLF applications ready for commercialisation among European pig farmers; provided by innovative SMEs which in ALL-SMART-PIGS have tested and validated their technological prototypes and services in real life conditions together with pig farmers and other food business operators - Specie(s): pigs	FP7 - CP-TP - Collaborative Project (targeted)	1.3. Precise management of animals
ANIBOTNET: Animal botulism: innovative tools for diagnosis, prevention, control and epidemiological investigation	Developing an alternative approach to the mouse bioassay, which today is still the gold standard for botulism diagnosis because of the lack of validated in vitro assay. - Specie(s): Cattle, Poultries, Others	FP7 - ERA-NET Aniwah 2014 call	3. Healthy livestock for healthy diets and healthy people
Animal chlamydiosis and its zoonotic implications (855)		COST -	3. Healthy livestock for healthy diets and healthy people
ANIMALCHANGE: AN Integration of Mitigation and Adaptation options for sustainable Livestock production under climate CHANGE	Providing scientific guidance on the integration of adaptation and mitigation objectives and design sustainable development pathways for livestock production in Europe, in Northern and Sub-Saharan Africa and Latin America - Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CP-IP-SICA - Large-scale integrating project	2.2. Emissions mitigation; 2.3. Competitiveness and adaptability of livestock farming systems facing global changes
AntibioPhage: A bacteriophage-based approach to reducing infections caused by antibiotic resistant Escherichia coli	Specie(s): poultry	FP7 - ERA-NET Aniwah 2013 call	3.1. Responsible use of Antimicrobials
APHAEA : Harmonised approaches in monitoring wildlife population health and ecology and abundance	Specie(s): wildlife	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
AQUAGRIS: Environmental management reform for sustainable farming, fisheries and aquaculture	Decreasing pollution and the nuisance value of wastes, and by promoting more efficient waste handling, production, waste recycling, and lower input systems, in line with best management practices - Specie(s): aquaculture	FP6-Food - CA - Coordination action	2.2. Emissions mitigation; 1.4. Efficient and safe management of manure and animal by-products
ARBONET: Epidemiological models for control of arboviral disease for Europe	Specie(s): Cattles, Goats, Sheep, Others	FP7 - ERA-NET Aniwah 2014 call	3. Healthy livestock for healthy diets and healthy people
ASFORCE: Targeted research effort on African swine fever	Specie(s): pigs	FP7 -	3. Healthy livestock for healthy diets and healthy people
ASFRISK: Evaluating and controlling the risk of African swine fever in the EU	Specie(s): pigs	FP7 -	3. Healthy livestock for healthy diets and healthy people
AUTHENT-NET: AUTHENT-NET – Food Authenticity Research Network	Mobilising and coordinating relevant research budget holders in order to facilitate the eventual development of a transnational European funding vehicle that will allow Members States (MS) to jointly fund anti-fraud research. - Specie(s): swine, dairy and poultry	H2020 - SFS-14b-2015 - Authentication of food products	3.4. Integrity of food of animal origin and the production system
AUTOGRASSMILK: Innovative and sustainable systems combining automatic milking and precision grazing	Develop an integrated grazing and AM production system, appropriate for different regions and systems in Europe - Specie(s): cattle	FP7 -	1.3. Precise management of animals

AWAP: Validation of automated welfare assessment for poultry	The project is based on a system that uses cameras to monitor the behaviour of chicken flocks and analyses the 'optical flow' patterns made by the movement of the flocks. - Specie(s): Poultry	FP7 - ERA-NET Aniwah 2014 call	1.3. Precise management of animals 3.3. Animal welfare supporting animal health and vice versa
AWARE: Animal WelfAre Research in an enlarged Europe	Promote integration and increase the impact of European research on farm animal welfare (FAW) - Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CSA-CA - Coordination actions	3.3. Animal welfare supporting animal health and vice versa
BASELINE: Selection and improving of fit-for-purpose sampling procedures for specific foods and risks	Harmonisation of food safety control procedures. Includes seafood, eggs and egg products, fresh meats, milk and dairy products and plant products - Specie(s): all	FP7 - CP-IP - Large-scale integrating project	3.4. Integrity of food of animal origin and the production system
BAT-SUPPORT : Best available techniques for European Intensive livestock farming – Support for the implementation of the Integrated Pollution Prevention and Control Directive	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	1.4. Efficient and safe management of manure and animal by-products; 2.2. Emissions mitigation
BetterBones: Better bones quality in laying hens	Validating genetic markers explaining variance in bone quality and developing a novel phenotypic measurement for bone quality which does not require killing the hen. - Specie(s): Poultry	FP7 - ERA-NET Aniwah 2013 call	3.3. Animal welfare supporting animal health and vice versa
BIOBUSINESS - Training in Research, Product Development, Marketing and Sales in BioBusinesss	The project is training scientists with a background in biology to collaborate with technology-driven people: train them in research, product definition and development, marketing and sales for bio-business in the EU. The goal: fill the knowledge gap among veterinarians, animal scientists and bio-engineers, introducing them to emerging technologies and encouraging them to put them to practical use.	FP7 - people	1.3. Precise management of animals
BIOTRACE IP 036272: Improved bio-traceability of unintended microorganisms and their substances in food and feed chains	Tracing and tracking of contamination in feed, meat and dairy chains, in addition to accidental and deliberate contamination of bottled water. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6-Food - IP - Integrated Project	3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system
BLAAT: Bacteriophage lysins as alternatives to antimicrobial treatment	Exploring the potential of bacteriophage lysins as alternatives to antibiotics in animal production - Specie(s): Pigs	FP7 - ERA-NET Aniwah 2014 call	3.1. Responsible use of Antimicrobials
BOVINOSE: Pheromone-based sensor system for detecting estrus in dairy cows	Developing an "electronic nose" to detect estrus in a dairy cow, and thus to determine the optimal timing of artificial insemination - Specie(s): cattle (dairy cow)	FP7 - BSG-SME - Research for SMEs	1.3. Precise management of animals
BPV: Extracting value from by-products of the food industry	Customizable rendering process to valorise slaughterhouse waste in such a way that animal by-products (ABP) are converted into fuel for biogas generation through anaerobic digestion. - Specie(s): pigs, sheep, goat, poultry, cattle	H2020 - SME-1 - SME instrument	1.4. Efficient and safe management of manure and animal by-products
BRIGHTANIMAL: Multidisciplinary Approach to Practical and Acceptable Precision Livestock Farming for SMEs in Europe and world-wide	Producing a framework for European and non-European small and medium enterprises on effective and acceptable precision livestock farming and creating an international, interdisciplinary network for further development and dissemination. - Specie(s): cattle, pigs, poultry	FP7 - CSA-SA	1.3. Precise management of animals; 2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products
BRSV-DIVA: Development and comparative evaluation of three new generation BRSV DIVA vaccines and a corresponding DIVA test.	Specie(s): cattle	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
Brucellosis in animals and man (845)	Specie(s): cattle	COST -	3. Healthy livestock for healthy diets and healthy people

Brucmel: Brucella melitensis: biotyping and differential diagnostic.	Specie(s): Cattle, Sheep, Goats	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
BRU-EPIDIA: Brucellosis in wildlife and domestic animals: development of a direct diagnostic method and assessment of genetic diversity of Brucella melitensis and B. suis biovar 2 strains in the EU.	Specie(s): Pig, Goat, Sheep, Cattle, Other	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people
CamChain: Campylobacter in chicken production: survival, virulence and control	Develop science-led interventions to reduce consumer exposure to Campylobacter - Specie(s): poultry	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people; 3.2. The microbiome from an integrated one-health perspective
CAMCON: Campylobacter control - novel approaches in primary poultry production	Specie(s): poultry	FP7 - CP-FP - Small or medium-scale research project	3. Healthy livestock for healthy diets and healthy people
CARES: Coping with anthelmintic resistance in ruminants.	Specie(s): Cattle, Sheep, Goats, Deer	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
CLAFIS: Crop, Livestock and Forests Integrated System for Intelligent Automation, Processing and Control	Use Case demonstrator involving a complete process sequence of a smart seeding, spraying and harvesting for grass/grains/trees - Specie(s): all	FP7 -	1.3. Precise management of animals
CLARA: Ceftiofur Long Acting to Reduce Antibiotics	Specie(s): cattle, sheep, goats, pigs, poultry	FP7 - BSG-SME - Research for SMEs	3.1. Responsible use of Antimicrobials
ClimGen: Climate Genomics for farm animal adaptation	Bringing together previous and ongoing national, EU and global efforts to understand livestock adaptation to climatic extremes, the project will seek to identify genomic tools and biomarkers that can be used to predict adaptation in livestock populations to thermal and related challenges. - Specie(s): cattle, sheep, goat	FP7 - ERA-NET PLUS JPI FACCE	2.2. Emissions mitigation; 1.2. Efficient and robust animals adapted to new European feed sources
CODE-EFABAR: Code of good practice for farm animal breeding and reproduction	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products
CODEX - Decoding domesticate DNA in archaeological bone and manuscripts	CodeX is an interdisciplinary project that seeks to deliver the first comprehensive temporal genetic cartography of domestic animal history and prehistory. For each species the project will correlate the domesticate genetic matrix with known events from the human past and will uncover episodes of social change that may not be inferable from other sources.	FP6-IDEAS-ERC	
CombatColibacillosis: a genomics based approach	Specie(s): poultry	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
CONFLUTECH: Capacity building for the control of Avian influenza through technology transfer and training	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	3. Healthy livestock for healthy diets and healthy people
COREPIG: Prevention of selected diseases and parasites in organic pig herds – by means of a HACCP based management and surveillance programme (COREPIG)	Specie(s): pigs	FP6 - ERA-NET CORE-ORGANIC	3.1. Responsible use of Antimicrobials
CSFV_GODIVA: Improve tools and strategies for the prevention and control of classical swine fever	Specie(s): pigs	FP7 - CP-FP - Small or medium-scale research project	3. Healthy livestock for healthy diets and healthy people

CuliOme: Can we predict emergence and spread of Culicoides-borne arboviruses in Europe according to genetic drivers of vector competence and virome diversity	Specie(s): Cattle, Goat, Sheep, Horse, Other	FP7 - ERA-NET Aniwah 2013 call	3. Healthy livestock for healthy diets and healthy people
DairyICT: ICT in large and small dairy systems	Integrating and extending existing state of the art technologies to ensure sustainable and responsible management of dairy units, with focus on cow health, milk quality and reduced emissions. - Specie(s): cattle	FP7 - ERA-NET ICT Agri-1	1.3. Precise management of animals; 2.2. Emissions mitigation; 3. Healthy livestock for healthy diets and healthy people
DAMONA: Mutation and recombination in the cattle germline: genomic analysis and impact on fertility	Specie(s): cattle	FP7 - ERC-AG - ERC Advanced Grant	1.3. Precise management of animals
DEPURGAN: Swine-farm revolution	Bringing to the market an efficient pig manure treatment process, with an initial investment 4 times lower compared to other solutions and operation costs being also very competitive. It bases its innovative character in the use of an optimized electrocoagulation reactor, which allows nitrogen abatement, while producing as residues a solid fraction that poses great calorific potential as biomass, and a NPK liquid effluent ready to be used as fertilizer. - Specie(s): pigs	H2020 - SME-1 - SME instrument	1.4. Efficient and safe management of manure and animal by-products
DETECH21: Developing New Technologies to meet 21st Century Demands in Animal Forensics	Providing through SME led and directed research new forensic testing services based on metabolomic profiling which will identify the misuse of prohibited and licensed chemicals in bovine and equine animals. - Specie(s): horses	FP7 - BSG-SME - Research for SMEs	3. Healthy livestock for healthy diets and healthy people
DIALREL: Religious slaughter: improving knowledge and expertise through dialogue and debate on issues of welfare, legislation and socio-economic aspects	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	3.3. Animal welfare supporting animal health and vice versa; 2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products
DIFAGH: Development of immune function and avian gut health.	Linking cutting edge technologies with gut flora modification experiments to define the contribution of microbial colonisation to the development of chicken immune capacity, resistance and transmission of infection - Specie(s): poultry	FP7 - ERA-NET EMIDA 2011 call	3.2. The microbiome from an integrated one-health perspective; 3.3. Animal welfare supporting animal health and vice versa
DISCONTOOLS: Development of the most effective tools to control infectious diseases in animals	Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CSA-SA - Support actions	3. Healthy livestock for healthy diets and healthy people
DockWeeder: Creating a robot that is capable of exploring a pasture by relying on GPS	Creating a robot that is capable of exploring a pasture by relying on GPS, equipping it with an array of sensors to detect the weed, and also equipping it with a non-chemical method to eliminate detected weeds. Focus on broad-leaved dock (Rumex obtusifolius L.), is a common and troublesome weed with a wide geographic distribution. - Specie(s): cattle	FP7 - ERA-NET ICT Agri-1	1.1. Sustainable food production using human inedible agro-products as animal feed; 1.3. Precise management of animals
Drugtrack: Smartphone tool that allows farmers and veterinarians to locate and monitor their use of veterinary drugs to permit reduction in antimicrobials to fight the increasing drug resistant infections.	Specie(s): cattle	FP7 - SmartAgriFood FIWARE accelerator	3.1. Responsible use of Antimicrobials 1.3. Precise management of animals

EADGENE: European animal disease genetics network of excellence for animal health and food safety	Network of Excellence in the genomics of host-pathogen interactions in animals to bring together sufficient excellence and resources to make a real difference to animal and human health, and improve the quality of animal products - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - CSA	3. Healthy livestock for healthy diets and healthy people
EADGENE_S: Strengthening the implementation of durable integration of EADGENE		FP7 - CSA	3. Healthy livestock for healthy diets and healthy people
Early detection data: Improving early detection of emerging vector borne diseases by using existing production and diagnostic data.	Specie(s): cattle	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
EAWP: European Animal Welfare Platform: adding welfare quality to food	Facilitating the exchange of knowledge, experience and expertise in order to effectively support the implementation of scientifically based welfare assessment and information systems, improvement strategies, market initiatives, research and development and policy formulation in the area of farm animal welfare. - Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CSA-SA - Support actions	3.3. Animal welfare supporting animal health and vice versa
ECALEP: Emergence of highly pathogenic CAliciviruses in LEporidae through species jumps involving reservoir host introduction	Specie(s): Rabbit	FP7 - ERA-NET Aniwah 2013 call	3. Healthy livestock for healthy diets and healthy people
ECO-FCE : A whole-systems approach to optimising feed efficiency and reducing the ecological footprint of monogastrics	Understanding the interactions within the monogastric biological system which create diversity, optimise feed use efficiency and reduce greenhouse gas emissions, nitrogen and phosphorus excretion, whilst not adversely affecting animal health, welfare or product quality. - Specie(s): pig and poultry	FP7 -	1.2. Efficient and robust animals adapted to new European feed sources; 2.2. Emissions mitigation; 3.2. The microbiome from an integrated one-health perspective
ECO-LOGIC GREEN FARM: Design of an agricultural greenhouse for intensive growing of microalgae in fresh / sea water with a syngas production plant and organic farming of chickens and pigs outdoors	Construction of a production plant integrating algae cultivation in photobioreactors with a syngas CHP as a source of carbon, required for the photosynthetic process of microalgae. Market application deriving from algae include: biomass for combustion and organic matrix for anaerobic digestion plants; food supplements for human/animal use; pharmaceutical/cosmetics products; fertilizers; complete pilot line for cultivation. - Specie(s): poultry, pigs	H2020 - SME-2 - SME instrument	1.4. Efficient and safe management of manure and animal by-products
ECOLUP: providing a solution to the underutilisation of by-products, co-products and waste streams in agriculture, farming and agri-food industry, particularly in the organic production	Not specific to livestock. Providing a designed communication channel to connect the organic producers that want to sell their outputs (by-products, co-products or waste, which are organic as well), to the organic producers that want to obtain organic inputs, for applying them in their production. - Specie(s): all	FP7 - SmartAgriFood FIWARE accelerator	1. Efficient use of biomass – food security
ECON-WELFARE: Good animal welfare in a socio-economic context	Project to promote insight on the impact for the animal, the production chain and society of upgrading animal welfare standards - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - CSA-SA - Support actions	3.3. Animal welfare supporting animal health and vice versa
EMIRO: The significance of rodent communities for the distribution of Echinococcus multilocularis: ecological and experimental investigations	Specie(s): wildlife	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people

Enerbox: Sustainable and Standalone Oxyhydrogen powered heat generator box	Enerbox project integrates efficiently two complementary sources of renewable energy (PV and biomass) plus energy storage, to produce steady and reliable thermal energy, and with the inclusion of an H2 sub-system that incorporates an innovative process to enrich the thermal potential of the waste biomass energy by mixing it with auto-generated oxyhydrogen gas obtained from reverse electrolysis, all in a modular compact transportable solution. - Specie(s): pig, poultry, dairy cattle	H2020 - SME-1 - SME instrument	1.4. Efficient and safe management of manure and animal by-products
Epi-risk: Integrated epidemiological models for risk-based surveillance approaches	Specie(s): Cattles, Goats, Poultries, Sheep	FP7 - ERA-NET Aniwah 2014 call	3. Healthy livestock for healthy diets and healthy people
Epi-SEQ : Molecular epidemiology of epizootic diseases using next generation sequencing technology	Specie(s): poultry (turkeys, chicken), Pig, Cattle, Sheep, Goats	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
EPIZONE: Network on epizootic disease diagnosis and control	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - NoE Network of Excellence	3. Healthy livestock for healthy diets and healthy people
EQUISAFE: Advanced monitoring system for horse riding and equestrian activities based on wireless sensing and artificial intelligence	Developing a novel system for the monitoring of horse activity risks and horse health monitoring and management, with special focus on non-expert users and "in home" and outdoor monitoring - Specie(s): horses	FP7 - BSG-SME - Research for SMEs	1.3. Precise management of animals
ERIN: Support study for the identification of potential needs and possibilities for an integrated European infrastructure network of animal facilities in ruminant physiology and breeding	Specie(s): cattle, sheep, goat	FP7 - FP7-INFRASTRUCTURES-2008-1	4.1. Improving infrastructures for research and innovation
EryPoP: Erysipelas? an emerging disease in animal friendly production systems for poultry and pigs	Specie(s): Pigs, Poultries, Others	FP7 - ERA-NET Aniwah 2014 call	3. Healthy livestock for healthy diets and healthy people
ESNIP 3: European Surveillance Network for Influenza in Pigs 3	Specie(s): pigs	FP7 -	3. Healthy livestock for healthy diets and healthy people
ESNIP2: European Surveillance Network for Influenza in Pigs 2	Specie(s): pigs	FP6 - CA - Coordination action	3. Healthy livestock for healthy diets and healthy people
ETP-GAH: European Technology Platform for Global Animal Health	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - SSA - SSP	3. Healthy livestock for healthy diets and healthy people
EURODAIRY: A Europe-wide thematic network supporting a sustainable future for EU dairy farmers	Focus on four key topics - Resource efficiency, Biodiversity, Animal care, and Socio-economic resilience - Specie(s): dairy cattle	H2020 - ISIB-02-2015 - Closing the research and innovation divide	1. Efficient use of biomass – food security; 2.3. Competitiveness and adaptability of livestock farming systems facing global changes; 3. Healthy livestock for healthy diets and healthy people
EUPIG: EU Pig Innovation Group: Thematic Network to Support the Implementation of Innovative Practice into EU Pig Production	EU PIG will focus on four themes: health management, precision production, welfare and meat quality. The four themes will address different 'producer led challenges' each year, as identified by the industry.	H2020 - RUR-10-2016-2017: Thematic Networks compiling knowledge ready for practice	3. Healthy livestock for healthy diets and healthy people 1.3. Precise management of animals 3.4. Integrity of food of animal origin and the production system
European network for pig genomics	Specie(s): pig	COST -	2.3. Competitiveness and adaptability of livestock farming systems facing global changes

EVENT: Providing tools to prevent emergence of enteric viruses	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
FABRE-TP: Sustainable farm animal breeding and reproduction technology platform	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	1.2. Efficient and robust animals adapted to new European feed sources; 2.3. Competitiveness and adaptability of livestock farming systems facing global changes
FareWellDock: Ending tail docking and tail biting in the EU - Hazard characterization and exposure assessment of a major pig welfare problem	Focuses on the interface between animal health and welfare, the development of animal-based indicators, the assessment of pain and suffering, and the improvement of management practices - Specie(s): Pig	FP7 - ERA-NET Aniwah 2012 call	3.3. Animal welfare supporting animal health and vice versa
Farmers WTP : Farmers' willingness to prevent and control disease	Gaining more insight into these determinants of behaviour, and will examine the effectiveness of incentive systems to stimulate farmers to apply new animal health strategies in the future - Specie(s): all	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
FATIMA: FArming Tools for external nutrient Inputs and water MAnagement	Developing innovative and new farm capacities that help the intensive farm sector optimize their external input (nutrients, water) management and use, with the vision of bridging sustainable crop production with fair economic competitiveness. Not specific to livestock. - Specie(s): all	H2020 - RIA research and innovation action	1. Efficient use of biomass – food security
FECUND : Optimisation of early reproductive success in dairy cattle through the definition of new traits and improved reproductive biotechnology	Specie(s): cattle (dairy cow)	FP7 - CP-TP - Collaborative Project (targeted)	2.3. Competitiveness and adaptability of livestock farming systems facing global changes
FEED FOR PIG HEALTH: Development of natural alternatives to anti-microbials for the control of pig health and promotion of performance	Examining the potential of using plant extracts and other natural substances, not considered harmful for human or animal health, as alternatives to antimicrobials in reducing losses from post-weaning infection, and improving productivity - Specie(s): pigs	FP6 - NoE - Network of Excellence	3.1. Responsible use of Antimicrobials 3.2. The microbiome from an integrated one-health perspective
Feed-a-gene: Adapting the feed, the animal and the feeding techniques to improve the efficiency and sustainability of monogastric livestock production systems	Better adapting different components of monogastric livestock production systems (i.e., pigs, poultry and rabbits) to improve the overall efficiency and to reduce the environmental impact. Feed-a-Gene will: - Develop new and alternative feeds and feed technologies to make better use of local feed resources, green biomass and by-products of the food and biofuel industry. - Develop methods for the real-time characterization of the nutritional value of feeds to better use and adapt diets to animal requirements. - Develop new traits of feed efficiency and robustness allowing identification of individual variability to select animals that are more adapted to changes in feed and environmental conditions. - Develop biological models of livestock functioning to better understand and predict nutrient and energy utilization of animals along their productive trajectory. - Develop new management systems for precision feeding and precision farming combining data and knowledge from the feed, the animal, and the environment using innovative monitoring systems, feeders, and decision support tools. - Specie(s): pigs, poultry, rabbits	H2020 - RIA research and innovation action	1.2. Efficient and robust animals adapted to new European feed sources; 2.2. Emissions mitigation; 3.2. The microbiome from an integrated one-health perspective;

FEEDING FATS SAFETY: Quality and safety of feeding fats obtained from waste or by-products from the food chain	Giving suitable information on quantitative effects of the presence of some contaminants (dioxin, PCB, PAH, PBDE) and lipid degradation products (oxidation, isomerization and polymerization) in feeding fats on the quality of meat obtained, as well as data about the repercussions of this presence on animal health and productive parameters - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system
FEED-SEG: Healthy feed for safety - Dissemination of research results of EC funded research on feed quality	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	3. Healthy livestock for healthy diets and healthy people
Fieldfood: Integration of PEF in food processing for improving food quality, safety and competitiveness	Pulsed electric field technology Validate and demonstrate, in co-operation with SMEs, implementation of modular, portable, low-cost pulse generators for different applications. Not specific to livestock products - Specie(s): all	H2020 - SFS-17 Innovative solutions for sustainable novel food processing	3.4. Integrity of food of animal origin and the production system
FIP: Application (FIP, Future Internet Pasture) as an integrated solution for precise pasture management	Specie(s): cattle	FP7 - SmartAgriFood FIWARE accelerator	1.3. Precise management of animals
FLUAID: Generation of information and tools to support the management of the avian influenza crisis in poultry	Specie(s): poultry	FP6 - SSP-STREP	3. Healthy livestock for healthy diets and healthy people
FLU-LAB-NET: Development and enhancement of laboratory networks for avian influenza	Specie(s): poultry, horses	FP6 - CA - Coordination action	3. Healthy livestock for healthy diets and healthy people
FLUPATH: Avian influenza: impact of virus-host interactions on pathogenesis and ecology	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
FLUPIG: Pathogenesis and transmission of influenza virus in pigs	Specie(s): pigs	FP7 - CP-IP - Large-scale integrating project	3. Healthy livestock for healthy diets and healthy people
FLURESIST: Studies on avian influenza virus survival in poultry commodities, poultry manure and the environment	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
FLUTEST: Improved diagnosis and early warning systems for avian influenza outbreak management	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
FLUTRAIN: Training and technology transfer of Avian Influenza diagnostics and disease management skills	Specie(s): poultry	FP6 - CA - Coordination action	3. Healthy livestock for healthy diets and healthy people
FMD-DISCONVAC: Development, enhancement and complementation of animal-sparing, foot and-mouth disease vaccine-based control strategies for free and endemic regions	Specie(s): cattle, sheep, goat, pig, poultry	FP6 - CP-SICA	3. Healthy livestock for healthy diets and healthy people
FUTURE-FOOD: Faster Upcoming Technology Uptake Relevant for the Environment in FOOds Drying	Demonstration and first market application of an eco-innovative solution for sustainable food drying (vegetables, mushrooms, fruits, herbs and meat). - Specie(s): all	H2020 - SFS-17 Innovative solutions for sustainable novel food processing	3.4. Integrity of food of animal origin and the production system
GENE2FARM: Next generation European system for cattle improvement and management	Comprehensive programme of work from statistical theory development, through genome sequencing, to address new phenotyping approaches and the construction of tools, that will be validated in conjunction with SMEs and industry partners - Specie(s): cattle	FP7 - BSG-SME - Research for SMEs	2.3. Competitiveness and adaptability of livestock farming systems facing global changes

GENOMIC-RESOURCES: Advances in Farm Animal Genomic Resources		COST -	2.3. Competitiveness and adaptability of livestock farming systems facing global changes
GLOBAL NETWORK: Global network for the development and maintenance of nutrition-related strategies for mitigation of methane and nitrous oxide emissions from ruminant livestock	Accumulating and analysing ruminant GHG mitigation data. - Specie(s): cattle, sheep, goats	FP7 - ERA-NET PLUS JPI FACCE 2013	1.4. Efficient and safe management of manure and animal by-products; 2.2. Emissions mitigation
GLOWORM: Innovative and sustainable strategies to mitigate the impact of global change on helminth infections in ruminants	Specie(s): cattle, sheep, goat	FP7 - CP-TP - Collaborative Project (targeted)	3. Healthy livestock for healthy diets and healthy people
GM-SCAN: Automatic vertical scanner for determining lean distribution in animal carcasses (Avscan)	The project aims at validating a novel carcass grading technology, which is able to accurately provide a direct measurement of the lean content in the carcass and its primal cuts, thus being independent of breed variations. Specie(s): cattle	H2020 - SME-1 - SME instrument	3.4. Integrity of food of animal origin and the production system
CAPARA: Goat parasite interaction: from knowledge to control (FA0805)		COST -	3. Healthy livestock for healthy diets and healthy people
GENTORE: Genomic management Tools to Optimise Resilience and Efficiency	Develop innovative genome-enabled selection and management tools to optimise cattle resilience and efficiency (R&E) in widely varying environments. Specie(s): cattle	H2020 – SFS-15. 2016-2017 - RIA	1.2. Efficient and robust animals adapted to new European feed sources; 2.3. Competitiveness and adaptability of livestock farming systems facing global changes
GOATBSE: proposal for improvement of goat TSE discriminative diagnosis and susceptibility based assessment of BSE infectivity in goat milk and meat	Specie(s): goat	FP7 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
GOAT-TSE-FREE: Towards breeding of goats for genetically determined TSEs resistance.	Specie(s): goats	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
GPLUSE : Genotype and Environment contributing to the sustainability of dairy cow production systems through the optimal integration of genomic selection and novel management protocols based on the development	Specie(s): cattle (dairy cow)	FP7 - CP-IP	2.2. Emissions mitigation
GrassBots: User-centric adoption of sustainable farming operation involving ICT and robotics	Developing a novel lightweight, autonomous machine concept for economically and environmentally sound harvest of grass on lowland. - Specie(s): cattle	FP7 - ERA-NET ICT Agri-1	1.1. Sustainable food production using human inedible agro-products as animal feed; 1.3. Precise management of animals
GrassLandscape: Bridging landscape genomics and quantitative genetics for a regional adaptation of European grasslands to climate change	Compile extended knowledge of the adaptive diversity existing in grassland species - Specie(s): cattle, sheep, goat	FP7 - ERA-NET PLUS JPI FACCE	1.1. Sustainable food production using human inedible agro-products as animal feed; 2.4. Services provided by livestock production systems
GrassQ: Development of ground based and Remote Sensing, automated 'real-time' grass quality measurement techniques to enhance grassland management information platforms	Specie(s): cattle	FP7 - ERA-NET ICT Agri-1	1.1. Sustainable food production using human inedible agro-products as animal feed; 1.3. Precise management of animals

HAPPYCOW: Develop hardware and software for a cloud based Estrus detection system for Dairy farms with special focus on organic dairy farms	Specie(s): cattle	FP7 - SmartAgriFood & ICT-AGRI Joint Call	1.3. Precise management of animals
HAPPYGOAT: Sustainable Small Ruminants Farming Decision Support System SSRF-DSS providing a web-based, model-driven decision support tool for farmers using small ruminants in extensive farming methods.	Specie(s): sheep, goat	FP7 - SmartAgriFood & ICT-AGRI Joint Call	1.3. Precise management of animals
HEALTHSTOCK: Fodder for HEALTHier animals and improved liveSTOCK production	Specie(s): pigs	H2020 - SME-1 - SME instrument	1.3. Precise management of animals
HEALTHY POULTRY: Development of new integrated strategies for prevention, control and monitoring of epzootic poultry diseases	Specie(s): poultry	FP6 - SSP-STREP	3. Healthy livestock for healthy diets and healthy people
HealthyGut : Multi-focal strategies to improve gut health and reduce enteritis in poultry and pigs.	Specie(s): poultry (chickens), Pigs, Turkeys	FP7 - ERA-NET EMIDA 2010 call	3.2. The microbiome from an integrated one-health perspective
HEALTHYHENS: Good health and welfare in organic laying hens depends on good management	This project focuses on disease management, animal welfare and impacts on the environment on organic laying hen farms, as organic husbandry poses special challenges and has to fulfil high expectations in these areas. - Specie(s): poultry	FP7 - ERA-NET CORE-ORGANIC II	3.3. Animal welfare supporting animal health and vice versa
HENNOVATION: Practice-led innovation supported by science and market-driven actors in the laying hen and other livestock sectors	Multi-stakeholder networks will develop technical innovations to injurious pecking and the management of end-of-lay hens concerns based on practice, economics and scientific information (objective 2) - Specie(s): poultry	H2020 - ISIB-02-2014 - Closing the research and innovation divide	1.2. Efficient and robust animals adapted to new European feed sources; 3.3. Animal welfare supporting animal health and vice versa
HIPSTER: Deployment of high pressure and temperature food processing for sustainable, safe and nutritious foods with fresh-like quality	Specie(s): all	H2020 - SFS-17 Innovative solutions for sustainable novel food processing	3.4. Integrity of food of animal origin and the production system
I3-FOOD: Process integration for rapid implementation of sustainable innovative food processing	Implementation of 3 prioritised innovative food processing technologies: 1. Pulsed Electric Field preservation (PEF-P) of liquid food products (TRL 7-8); 2.High pressure thermal sterilization (HPTS) (TRL 6-7) and 3. Low shear extrusion of cold food products (TRL 6). Specie(s): all	H2020 - SFS-17 Innovative solutions for sustainable novel food processing	3.4. Integrity of food of animal origin and the production system
ICONZ: Integrated control of neglected zoonoses: improving human health and animal production through scientific innovation and public engagement	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - CP-SICA	3. Healthy livestock for healthy diets and healthy people
ICOPP: Developing sustainable 100% organic feed strategies for pigs and poultry	Producing economically profitable feeding strategies with the ingredients produced organically and sourced within Europe rather than relying on protein imports and feed supplements of non-organic origin - Specie(s): pig	FP7 - ERA-NET CORE-ORGANIC II	3.4. Integrity of food of animal origin and the production system
ICTGRAZINGTOOLS: Use of ICT tools to capture grass data and optimize grazing management	Specie(s): cattle	FP7 - ERA-NET ICT Agri-1	1.1. Sustainable food production using human inedible agro-products as animal feed; 1.3. Precise management of animals

I-LEED: Advanced cattle feeding on pasture through innovative pasture management	Specie(s): cattle	FP7 - ERA-NET ICT Agri-1	1.1. Sustainable food production using human inedible agro-products as animal feed; 1.3. Precise management of animals
IMAGE: Innovative Management of Genetic Resources	Enhancing the use of genetic collections and to upgrade animal gene bank management - IMAGE will better exploit DNA information and develop methodologies, biotechnologies, and bioinformatics for rationalising animal genetic resources. It will demonstrate the benefits brought by gene banks to the development of sustainable livestock systems - Specie(s): cattle, sheep, goats, horses, donkeys, pigs, rabbits, poultry	H2020 - SFS-07b-2015-Management and sustainable use of genetic resources	2.3. Competitiveness and adaptability of livestock farming systems facing global changes
iMBDatA: Integrated EU Mobile Broiler Data: Optimising Broiler Chicken Management, Health and Welfare through use of integrated EU data	Specie(s): Poultries	FP7 - ERA-NET Aniwah 2014 call	1.3. Precise management of animals; 3.3. Animal welfare supporting animal health and vice versa
Immunosuppressive viral diseases in poultry (839)		COST -	3. Healthy livestock for healthy diets and healthy people
IMPRO : Impact matrix analysis and cost-benefit calculations to improve management practices regarding health status in organic dairy farming	Overcoming weak points in current health management strategies on organic dairy farms and increasing the implementation of evidence based measures and to improve practice of health management. - Specie(s): cattle (dairy cow)	FP7 - CP-FP - Small or medium-scale research project	3. Healthy livestock for healthy diets and healthy people
Bovine mycoplasmosis: Improvements in the diagnosis and control of bovine mycoplasmosis	Specie(s): cattle	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
INCOME: Evaluation and improvement of integrated livestock disease control measures through distribution of molecular diagnostic tools, evaluation of disease situation, training and capacity building in Asia	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - SSA - Specific Support Action	1.4. Efficient and safe management of manure and animal by-products; 3. Healthy livestock for healthy diets and healthy people
INN-FLU: Influence of viral proteins of avian influenza virus on the innate immune response of birds	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
INTEGRA: New tools for genetic engineering using targeted integration vectors application to agronomy food safety and gene therapy	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - STREP - Specific Targeted Research Project	3.4. Integrity of food of animal origin and the production system
INTERPLAY: Interplay of microbiota and gut function in the developing pig – Innovative avenues towards sustainable animal production	Appling an integrated approach to arrive at a sound understanding of the interaction of early colonization of the intestine and the development of gut function - Specie(s): pigs	FP7 - CP-FP - Small or medium-scale research project	3.2. The microbiome from an integrated one-health perspective
IPOK: IPOK is a monitoring solution for the poultry rearing livestock industry	Specie(s): poultry	FP7 - SmartAgriFood FIWARE accelerator	1.3. Precise management of animals
iPUD: Integrated systems approach for preventing uterine disease in dairy cattle	Specie(s): cattle	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people

iSAGE: Innovation for Sustainable Sheep and Goat Production in Europe	iSAGE will: (1) redesign holistic farming systems to best reconcile the various demands concerning productivity, sustainability and societal values. (2) identify industry solutions that aim to improve sustainability and productivity of sheep and goat systems through breeding, including new phenotypes linked to sustainable animal productivity. Specie(s): sheep, goats	H2020 - SFS-01c-2015 - Assessing sustainability of terrestrial livestock production	2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products; 2.3. Competitiveness and adaptability of livestock farming systems facing global changes
IUEPPR: Improved understanding of the epidemiology of peste-des-petits ruminants	Specie(s): Goat, Sheep, Other	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people
KILLeuPRRSV: Control of highly virulent/pathogenic European porcine reproductive and respiratory syndrome viruses	Specie(s): pig	FP7 - ERA-NET Aniwah 2013 call	3. Healthy livestock for healthy diets and healthy people
KOlimastIR: Controlling the impact of Escherichia coli mastitis through modulation of immune responses	Specie(s): Cattle	FP7 - ERA-NET Aniwah 2012 call	3.1. Responsible use of Antimicrobials
LacDetect: A truly-rapid, one-minute test system for the dairy industry to assess raw milk quality, detect sub-clinical mastitis and monitor udder health, reducing antibiotic usage and environmental impact	Specie(s): cattle	H2020 - SME-1 - SME instrument	3. Healthy livestock for healthy diets and healthy people
LA-MRSA: Methicillin-resistant Staphylococcus aureus lineages in primary productions: multi-host pathogen, spill-over and spill-back between animals and humans?	Specie(s): all	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
LAYWELL: Welfare implications of changes in production systems for laying hens	Specie(s): poultry	FP6 - SSP	3.3. Animal welfare supporting animal health and vice versa
Lentiviruses of sheep and goats: Lentiviruses of sheep and goats – pathogenesis, diagnosis and prevention (834)	Specie(s): sheep, goats	COST -	3. Healthy livestock for healthy diets and healthy people
LIVEepi: Prediction and Control of Vector- and Movement-Borne Livestock Epidemics	Specie(s): Cattle, Pig, Sheep	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people
Location and monitor livestock outdoors: Location and monitor livestock outdoors	Specie(s): cattle	FP7 - SmartAgriFood FIWARE accelerator	1.3. Precise management of animals
LOWINPUTBREEDS: Development of integrated livestock breeding and management strategies to improve animal health, product quality and performance in European organic and 'low input' milk, meat and egg production.	Specie(s): cattle (dairy cows), dairy and meat sheep, pigs and laying hen	FP7 - CP-IP - Large-scale integrating project	1.2. Efficient and robust animals adapted to new European feed sources; 2.3. Competitiveness and adaptability of livestock farming systems facing global changes; 3. Healthy livestock for healthy diets and healthy people
MACROSYS: Macrophage Systems Biology Applied To Disease Control	Specie(s): cattle	FP7 - SCP	3. Healthy livestock for healthy diets and healthy people
MADISPREAD: Marek's Disease Virus Spread: In and Out of Chicken.	Specie(s): poultry	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
MADISUP: Marek's Disease Virus induced immunosuppression: From diagnosis to vaccination	Specie(s): Poultry	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people

Mange and myiasis of livestock (833)	Specie(s):	COST -	3. Healthy livestock for healthy diets and healthy people
MARLON: Monitoring of Animals for Feed-related Risks in the Long Term	Specie(s): cattle, sheep, goat, pigs, poultry	FP7 - CSA-CA - Coordination actions	3. Healthy livestock for healthy diets and healthy people
Maternal interaction with gametes and embryos (FA0702)		COST -	3. Healthy livestock for healthy diets and healthy people
Measuring and monitoring of farm animal welfare (846)		COST -	3.3. Animal welfare supporting animal health and vice versa
MEATGRADING: Automatic non-invasive expert system for Europe carcass grading of swine, beef and lamb using cross sectional electrical conductivity (Magnetic Induction Tomography (MIT))	Specie(s): cattle, sheep, pigs	FP6 - FP6-2003-SME-1	3.4. Integrity of food of animal origin and the production system
MED-VET-NET: Network for prevention and control of zoonoses	Integration of veterinary, medical and food scientists in the field of food safety at the European Level in order to improve research on the prevention and control of zoonoses including food-borne diseases, while considering the public health concerns of consumers and other stakeholders throughout the food chain. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - NoE - Network of Excellence	3. Healthy livestock for healthy diets and healthy people
METHAGENE: Large-scale methane measurements on individual ruminants for genetic evaluation		COST -	2.2. Emissions mitigation
MICHIC: Understanding mucosal immunology and co-infections in the chicken to drive vaccine strategies	Specie(s): poultry	FP7 - ERA-NET Aniwah 2013 call	3. Healthy livestock for healthy diets and healthy people
MINAPIG: Evaluation of alternative strategies for raising pigs with minimal antimicrobial usage: Opportunities and constraints.	Specie(s): pigs	FP7 - ERA-NET EMIDA 2011 call	3.1. Responsible use of Antimicrobials
Models4Pastures: Robust models for assessing the effectiveness of technologies and managements to reduce N2O emissions from grazed pastures	Specie(s): cattle, sheep, goat	FP7 - ERA-NET PLUS JPI FACCE 2013	1.3. Precise management of animals; 2.2. Emissions mitigation
MOLTRAQ: Molecular tracing of viral pathogens in aquaculture	Specie(s): fish	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
MRSA_BACTERIOPHAGES: Bacteriophages as alternative to antimicrobial treatments of bovine mastitis caused by methicillin-resistant staphylococci (MRS), with emphasis on methicillin-resistant Staphylococcus aureus	Specie(s): Cattle	FP7 - ERA-NET Aniwah 2014 call	3. Healthy livestock for healthy diets and healthy people
Multi-faceted research in rabbits: a model to develop a healthy and safe production in respect with animal welfare		COST -	3. Healthy livestock for healthy diets and healthy people; 3.3. Animal welfare supporting animal health and vice versa
MULTISWARD: Multi species swards and multi scale strategies for multifunctional grassland based ruminant production systems	Supporting developments and innovations in grassland production and management throughout the diversity of European farming systems, pedo-climatic and socio-economic conditions - Specie(s): cattle, sheep, goat	FP7 - CP-FP - Small or medium-scale research project	1.1. Sustainable food production using human inedible agro-products as animal feed

MYCOBACTDIAGNOSIS: Development of novel diagnostic strategies for the ante-mortem immunodiagnosis of bovine tuberculosis and Johne's Disease	Specie(s): cattle	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people; 3.3. Animal welfare supporting animal health and vice versa
MycoKey: Integrated and innovative key actions for mycotoxin management in the food and feed chain	MycoKey will address the major affected crops maize, wheat and barley, their associated toxigenic fungi and related mycotoxins (aflatoxins, deoxynivalenol, zearalenone, ochratoxin A, fumonisins). Specie(s): all	H2020 - SFS-13-2015 - Biological contamination of crops and the food chain	3. Healthy livestock for healthy diets and healthy people
MYCOSPEC: Novel infrared spectroscopic tools for mycotoxin determination in foodstuffs for increased food safety	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - BSG-SME - Research for SMEs	3.4. Integrity of food of animal origin and the production system
MYTOOLBOX: Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	Focus on small grain cereals, maize, peanuts and dried figs, applicable to agricultural conditions in EU and China. Specie(s): all	H2020 - SFS-13-2015 - Biological contamination of crops and the food chain	3. Healthy livestock for healthy diets and healthy people
NADIV: Co-circulation of avian influenza and velogenic Newcastle disease viruses - impact on pathogenesis, immune response and disease prevention	Specie(s): Poultry	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people; 3.3. Animal welfare supporting animal health and vice versa
NAFISPACK: Natural Antimicrobials For Innovative and Safe Packaging	Specie(s): Poultry	FP7 - CP-FP - Small or medium-scale research project	3.4. Integrity of food of animal origin and the production system
NEUTRADAPT - Estimation of neutral and adaptive/selective genetic variation in farm animal species	The objectives of the NEUTRADAPT project are to estimate neutral and functional genetic variation in livestock populations, and explore possible applications of this knowledge in animal breeding and conservation programmes, using data on sheep, goat and cattle populations.	FP7 - People	1.2. Efficient and robust animals adapted to new European feed sources
NEXTGEN: Next generation methods to preserve farm animal biodiversity by optimizing present and future breeding options	Using whole genome data to develop and optimise conservation genetic management of livestock diversity for the foreseeable future - Specie(s): cattle, sheep, goat	FP7 - SCP-SICA	2.3. Competitiveness and adaptability of livestock farming systems facing global changes
NEWFERT: Nutrient recovery from biobased Waste for Fertilizer production	Development of a new value chain, which will achieve turning solid and liquid residues, specifically ashes of different origins and livestock effluents, into high quality valuable products, a new generation of fertilisers.	H2020 – BBI JU	1.4. Efficient and safe management of manure and animal by-products
NMSACC-PCVD: towards improved food quality and safety within EU new member states and associated candidate countries	- Specie(s): pigs	FP6 - SSA - Specific Support Action	3.1. Responsible use of Antimicrobials
NoAW: No Agro-Waste - Innovative approaches to turn agricultural waste into ecological and economic assets	Generating innovative efficient approaches to convert growing agricultural waste issues into eco-efficient bio-based products opportunities with direct benefits for both environment, economy and EU consumer. - Specie(s): all	H2020 - WASTE-7-2015 - Ensuring sustainable use of agricultural waste, co-products and by-products	1.4. Efficient and safe management of manure and animal by-products
NOVIMARK: Identification of virulence markers in two loss-making Novirhabovirus is the key to improve diagnostic and strategic management in farmed rainbow trout	Specie(s): Fish	FP7 - ERA-NET Aniwah 2014 call	3. Healthy livestock for healthy diets and healthy people

OrbiNet: Molecular and reverse genetics studies of orbivirus transmission, host responses, epidemiology and diagnostic systems	Specie(s): Cattle, Sheep, Horses, Goats, Deer	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
ORGANICDAIRYHEALTH : Improving animal health and welfare in organic cattle milk production through breeding and management	Specie(s): cattle	FP6 - ERA-NET CORE-ORGANIC	3.3. Animal welfare supporting animal health and vice versa
PARASOL 022851: Novel solutions for the sustainable control of nematodes in ruminants	Specie(s): cattle, sheep, goats	FP7 - STREP	3. Healthy livestock for healthy diets and healthy people
PARATBTOOLS: Development of improved tools for detection of paratuberculosis in livestock, M.paratuberculosis in food and for the assessment of the risk of human exposure	Specie(s): cattle, sheep, goat	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
ParaTBVaccine: Development of a novel subunit vaccine against Mycobacterium avium subspecies paratuberculosis that does not interfere with bovine TB diagnostics.	Specie(s): Cattle, Sheep, Goats, Wildlife	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
PARAVAC: Vaccines against helminth infections	Specie(s): cattle, sheep, goats	FP7 - CP-IP-SICA	3. Healthy livestock for healthy diets and healthy people
PathoFish: Control Flavobacteriaceae infections in European fish farms	Specie(s): poultry	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
PATHOGEN-COMBAT: Control and prevention of emerging and future pathogens at cellular and molecular level throughout the food chain	Specie(s): cattle, poultry, pigs	FP6 - IP - Integrated Project	3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system
PEGASUS: Public Ecosystem Goods And Services from land management - Unlocking the Synergies	Develop innovative approaches and new ways of thinking about the way farmland and forests are managed in order to stimulate a long-lasting improvement in the provision of public goods and ecosystem services from agricultural and forest land in the EU. Specie(s): beef, pigs, ponnies, donkeys...	H2020 – ISIB 1 - 01-2014 - Provision of public goods by EU agriculture and forestry	2.4. Services provided by livestock production systems
PCVD: Studies on the epidemiology, early pathogenesis and control of Porcine Circovirus Diseases (PCVDs)	Specie(s): pigs	FP6 - STREP - Specific Targeted Research Project	3.1. Responsible use of Antimicrobials
PHAGEVET-P: Veterinary phage therapies as alternatives to antibiotics in poultry production	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3.1. Responsible use of Antimicrobials
PHYTOME: PHYTOCHEMICALS TO REDUCE NITRITE IN MEAT PRODUCTS	Develop new meat processing technologies, resulting in innovative products that have no or strongly reduced nitrite levels and that have been shown to contribute to improved gut health. Specie(s): pigs, cattle	FP7-SME-2012, BSG-SME-AG - Research for SME associations/groupings	3.4. Integrity of food of animal origin and the production system
PhytoMilk: Potential improvement of the salutary effects of organic milk by forage species and by supplementation. What makes organic milk healthy?	Specie(s): cattle	FP6 - ERA-NET CORE-ORGANIC	2.2. Emissions mitigation; 3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system;
PIGCAS: Attitudes, practices and state of the art regarding piglet castration in Europe	Specie(s): pigs	FP6 - SSA - Specific Support Action	3.3. Animal welfare supporting animal health and vice versa

PIGENDEF: Towards marker assisted selection against congenital defects in pigs	Specie(s): pigs	FP7 - BSG-SME - Research for SMEs	3. Healthy livestock for healthy diets and healthy people
PIGSCAN : Automatic grading system for determining lean-fat distribution in pig carcasses	Technology that accurately analyse pig carcasses, gathering vital information of the lean-fat content in the whole carcass and its primal cuts (ham, loin, belly and shoulder), without which 30-40% of all processed meats do not reach the expected final quality - Specie(s): pigs	FP7 - CP-TP - Collaborative Project (targeted)	3.4. Integrity of food of animal origin and the production system
PigWatch: Combining the 'eye of the stockman' and precision farming techniques to improve pig welfare	Specie(s): Pigs	FP7 - ERA-NET Aniwah 2014 call	3.3. Animal welfare supporting animal health and vice versa
PIGWISE: Optimizing performance and welfare of fattening pigs using High Frequent Radio Frequency Identification (HF RFID) and synergistic control on individual level	Specie(s): pigs	FP7 - ERA-NET ICT Agri-1	1.3. Precise management of animals
PIROVAC: Improvement of current and development of new vaccines for theileriosis and babesios of small ruminants	Specie(s): sheep, goats	FP7 - CP-FP-SICA	3. Healthy livestock for healthy diets and healthy people
PLAGASMIC: Advanced Microwave Plasma Gasification of pig and cow manure for cost-effective biogas generation	Specie(s): pigs, cattle	FP7 - BSG-SME - Research for SMEs	1.4. Efficient and safe management of manure and animal by-products
PLASMANURE: Novel plasma-catalyst reactor for the total conversion of the ammonia contained in pig manure into environmental neutral products	Specie(s): pigs	FP7 - BSG-SME - Research for SMEs	1.4. Efficient and safe management of manure and animal by-products
Polydome: Proposal for innovative and sustainable polyculture greenhouse system Polydome	Specie(s): all	H2020 - SFS-08-2015-1 - Resource-efficient eco-innovative food production and processing	1.4. Efficient and safe management of manure and animal by-products
PORRSCON: New tools and approaches to control Porcine Reproductive and Respiratory Syndrome (PRRS) in the EU and Asia	Specie(s): pigs	FP7 - CP-FP-SICA	3.1. Responsible use of Antimicrobials
Poul-AR: Poultry manure valorisation	Specie(s): poultry	H2020 - SME-1 - SME instrument	1.4. Efficient and safe management of manure and animal by-products
POULTRYFLORGUT: Control of the intestinal flora in poultry for ensuring the products safety for human consumers	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3.2. The microbiome from an integrated one-health perspective; 3.4. Integrity of food of animal origin and the production system
PRAHAD: Prevalence and optimised detection of resistance to antibiotics vital for animal and human health	Evaluating the rates of resistance (or reduced susceptibility) to colistin, aminoglycosides and carbapenems and among Gram negative enteric bacteria from pigs and cattle, and compare these with the levels of prescribing in the different countries. - Specie(s): Cattle, Pig	FP7 - ERA-NET Aniwah 2013 call	3.1. Responsible use of Antimicrobials 3.2. The microbiome from an integrated one-health perspective
PRIORITY: Protecting the food chain from prions: shaping European priorities through basic and applied research	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - CP-IP - Large-scale integrating project	3. Healthy livestock for healthy diets and healthy people

PROHEALTH : Sustainable intensive pig and poultry production	Understanding of the multi-factorial dimension of animal pathologies linked to the intensification of production and use this to develop, evaluate and disseminate effective control strategies to reduce impact. - Specie(s): pigs, poultry	FP7 - CP-TP - Collaborative Project (targeted)	3. Healthy livestock for healthy diets and healthy people; 3.2. The microbiome from an integrated one-health perspective
PROLIFIC : Pluridisciplinary study for a RObust and sustainabLe Improvement of Fertility In Cows	Unlock the potential for proactive herd management by providing the farmer with improved tools for on-farm reproductive monitoring and management - Specie(s): cattle (dairy cow)	FP7 - CP-TP - Collaborative Project (targeted)	1.2. Efficient and robust animals adapted to new European feed sources; 1.3. Precise management of animals
PROMINENT: research the protein mining of cereal side-streams exploring novel technological concepts	Development of industrially viable processing concepts for the valorisation of protein products from plant residues fulfilling market requirements (functionality, taste, purity, cost, safety) in the food segment using animal proteins as benchmark	H2020 – BBI JU	1.1. Sustainable food production using human inedible agro-products as animal feed
PRO-OVUM - Role of Progesterone Receptor Membrane Component-1 in oogenesis and mammalian fertility		FP7 – People	
PrOPara: Tackling the parasitological challenges in organic ruminant farming practices	Specie(s): cattle, sheep, goats	FP6 - ERA-NET CORE-ORGANIC	3. Healthy livestock for healthy diets and healthy people; 3.3. Animal welfare supporting animal health and vice versa
PRO-PIG: Strategies to reduce environmental impact by improving health and welfare of organic pigs	Specie(s): pig	FP7 - ERA-NET CORE-ORGANIC II	2.2. Emissions mitigation; 3.3. Animal welfare supporting animal health and vice versa
PROSAFEBEEF: Improving the safety of beef and beef products for the consumer in production and processing	Reducing microbiological and chemical contaminants in beef and beef products and to enhance quality, choice and diversity in the beef-chain in order to boost consumer trust and invigorate the industry. - Specie(s): cattle	FP6 - IP - Integrated Project	3.4. Integrity of food of animal origin and the production system
PROSPARE: PROgress in Saving Proteins And Recovering Energy	PROSPARE aims at developing a technological platform for multi-purpose processing of animal by-products (AB-P), in particular poultry ones, flexible enough to be tailored to different industrial sector needs. - Specie(s): cattle, sheep, goat, pigs, focus on poultry	FP7 - CP-SICA	1.4. Efficient and safe management of manure and animal by-products
Protein2food: Development of high quality food protein through sustainable production and processing	Includes accelerating protein transition from animal-based protein to plant based protein in Europe with clear impact on reduction of carbon footprint. Focus on seed crops: quinoa, amaranth and buckwheat, and legumes: lupin, faba beans, pea, chickpea, lentil. - Specie(s): all	H2020 - SFS-15-2014 - Proteins of the future	3.4. Integrity of food of animal origin and the production system
PROTEINSECT: Enabling the exploitation of Insects as a Sustainable Source of Protein for Animal Feed and Human Nutrition	Specie(s): cattle, sheep, goat, pigs, poultry	FP7 - CP-FP-SICA	1.1. Sustainable food production using human inedible agro-products as animal feed
Protozoal reproduction losses in farm ruminants (854)		COST -	3. Healthy livestock for healthy diets and healthy people
PROVIDE: PROVIding smart DElivery of public goods by EU agriculture and forestry	Conceptual basis, evidence, tools and improved incentive and policy options to support the "smart" provision of public goods by the EU agriculture and forestry ecosystems, in the light of trade-offs and conflicts brought about by prospective intensification scenarios, using a transdisciplinary approach. Case studies incl. livestock in Poland, Bulgaria, UK, France, Italy. - Specie(s): all	H2020 - ISIB-01-2014 - Provision of public goods by EU agriculture and forestry	2.4. Services provided by livestock production systems

Q-PORKCHAINS: Improving the quality of pork and pork products for the consumer: Development of an innovative, integrated, and sustainable food production chain of high quality pork products matching consumer demand	Specie(s): pigs	FP6 - IP - Integrated Project	3.4. Integrity of food of animal origin and the production system
QUALIMEAT: Survey on the research landscape in the Associated Candidate Countries for monitoring and promoting Good Quality Meat production - the whole food-chain from farm to fork of Poultry and Pork Meat	Specie(s): poultry, pigs	FP6 - SSA	3.4. Integrity of food of animal origin and the production system
Quality legume-based forage systems for contrasting environments: Quality legume-based forage systems for contrasting environments (852)	Increasing the quantity and quality of home grown proteins from regionally adapted legume-based forage systems. - Specie(s): all	COST	1.1. Sustainable food production using human inedible agro-products as animal feed
QUALITYLOWINPUTFOOD: Improving quality and safety and reduction of cost in the European organic and 'low input' supply chains	Improving quality, ensure safety and reduce cost along the organic and "low input" food supply chains through research, dissemination and training activities. Including a subproject on livestock production systems: Development of strategies to improve quality and safety and reduce cost of production in organic and low-input livestock production systems. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - IP - Integrated Project	3.4. Integrity of food of animal origin and the production system
QUANTOMICS: From Sequence to Consequence - Tools for the Exploitation of Livestock Genomes	Providing the tools to identify rapidly the causative DNA variation underpinning sustainability in livestock and for industry to exploit high-density genomic information. - Specie(s): cattle, sheep, goat, poultry, pigs, horses, key farmed animal livestock species	FP7 - SCP	2.3. Competitiveness and adaptability of livestock farming systems facing global changes
RABHO Rabbit housing: Development and assessment of alternative animal-friendly housing systems for rabbit does with kits and growing rabbits	Specie(s): Rabbit	FP7 - ERA-NET Aniwah 2012 call	3.3. Animal welfare supporting animal health and vice versa
RAPSODY: Fermentation processes for functional foods from RAPeseed, Sunflower and Other EU matrices Devoted to Young animals.	Specie(s): cattle, sheep, goat, poultry, pigs	H2020 - SME-1 - SME instrument	1.1. Sustainable food production using human inedible agro-products as animal feed
REDNEX: Innovative and practical management approaches to reduce nitrogen excretion by ruminants	Specie(s): cattle (dairy cow)	FP7 - CP-IP - Large-scale integrating project	2.2. Emissions mitigation; 3.2. The microbiome from an integrated one-health perspective
REPLACE: Plants and their extracts and other natural alternatives to antimicrobials in feeds	Specie(s): pigs, poultry, fish	FP6 - STREP	3.1. Responsible use of Antimicrobials 3.4. Integrity of food of animal origin and the production system
RESCAPE: Reducing Egg Susceptibility to Contaminations in Avian Production in Europe	Specie(s): poultry	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
RiftVectors: Vector competence of European mosquitoes to Rift Valley fever virus.	Specie(s): Birds, Cattle, Sheep, Horses, Humans, Goats, Camelids	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
RISKSCRA-Sheep milk, scrapie-free: Dairy products in Mediterranean sheep populations: quantification of scrapie risk	Specie(s): sheep	FP6 - FP6-SME	3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system

RISKSUR: Providing a new generation of methodologies and tools for cost-effective risk-based animal health surveillance systems for the benefit of livestock producers, decision makers and consumers	Specie(s): cattle, sheep, goat, poultry, pigs	FP7 - CP-TP - Collaborative Project (targeted)	3. Healthy livestock for healthy diets and healthy people
ROBUSTMILK: Innovative and Practical Breeding Tools for Improved Dairy Products from More Robust Dairy Cattle	Specie(s): cattle (dairy cow)	FP7 - CP-FP - Small or medium-scale focused research project	1.2. Efficient and robust animals adapted to new European feed sources
ROSEI: Robust Sheep Electronic Identification	Specie(s): sheep	FP7 - BSG-SME - Research for SMEs	1.3. Precise management of animals
RumenStability: Understanding the development and control of stability in the rumen microbiome as a basis for new strategies to reduce methanogenesis	Specie(s): cattle, sheep, goat	FP7 - ERA-NET PLUS JPI FACCE 2013	2.2. Emissions mitigation; 3.2. The microbiome from an integrated one-health perspective
RUMINOMICS: Connecting the animal genome, gastrointestinal microbiomes and nutrition to improve digestion efficiency and the environmental impacts of ruminant livestock production	Specie(s): cattle (dairy cow)	FP7 - CP-IP	2.2. Emissions mitigation; 3.2. The microbiome from an integrated one-health perspective
SABRE: Cutting edge genomics for sustainable animal breeding	Fundamental knowledge of the genomics and epigenetics of animal health, food safety and food quality traits of livestock species, together with the strategies to deliver such technologies for use in selection. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - IP - Integrated Project	3. Healthy livestock for healthy diets and healthy people
SAFE FOODS: Promoting food safety through a new integrated risk analysis approach for foods	Addressing the issue of how consumer confidence in consumer protection and risk analysis can be restored and strengthened - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - IP - Integrated Project	2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products; 3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system
SAFEED-PAP: Detection of presence of species-specific processed animal proteins in animal feed (SAfe FEED - Processed Animal Proteins)	BSE - Specie(s): cattle	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people
SAFEHOUSE: Analysis and control of egg contamination by Salmonella and other zoonotic pathogens after the move of laying hens to enriched cages and alternative housing systems	Specie(s): poultry	FP6 - IP - Integrated Project	3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system
SafeOrganic: Will consumers benefit from restricted antibiotic usage in organic pigs?	Specie(s): pig	FP7 - ERA-NET CORE-ORGANIC II	3.1. Responsible use of Antimicrobials
SAFEWASTES: Evaluating physiological and environmental consequences of using organic wastes after technological processing in diets for livestock and humans	Developing and evaluating consequences (physiological and environmental) of using various organic wastes (OW) from the food/feed industry after their technological processing/purification as upgraded, high added value products of preventive/therapeutic potency for livestock - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - STREP - Specific Targeted Research Project	1.1. Sustainable food production using human inedible agro-products as animal feed; 3. Healthy livestock for healthy diets and healthy people

SAPHIR: Strengthening animal production and health through the immune system response	Develop vaccine strategies effective against endemic pathogens responsible for high economic losses in livestock in order to strengthen the profitability of food animal systems, improve animal welfare and reduce xenobiotic usage in farming with a One Health perspective. Specie(s): cattle, pigs, poultry	H2020 - RIA research and innovation action	3. Healthy livestock for healthy diets and healthy people
SHEEPNET: Sharing Expertise and Experience towards sheep Productivity through NETworking	SheepNet is a thematic network project about practice-driven innovation to improve sheep productivity (number of lambs weaned/ewe mated). Specie(s): sheep	H2020 - RUR-10-2016-2017: Thematic Networks compiling knowledge ready for practice	2.3. Competitiveness and adaptability of livestock farming systems facing global changes 3. Healthy livestock for healthy diets and healthy people
SEQSEL - Global cooperation to develop next generation whole genome SEQuence SELection tools for novel traits	Build upon the recently initiated, but as yet informal, relationships between several world-leading research partners in the EU (Ireland, the UK, and The Netherlands) and Oceania (i.e., Australia and New Zealand); this in order to conduct joint research to identify regions of the bovine genome associated with feed intake and efficiency. Specie(s): dairy cattle	FP7 - People	1.2. Efficient and robust animals adapted to new European feed sources
SELECTIONFORWELFARE - The potential of behavioural play markers to improve welfare in farm animals through selection	This project integrates animal behaviour and welfare with genetics, nutrition, immunology, reproduction and physiology to analyse whether play behaviour – a key indicator of absence of stress – could be used to improve and ensure welfare. Specie(s): pigs	FP7 - People	3. Healthy livestock for healthy diets and healthy people
SELSWEEP: Molecular characterization of genetic factors in the pig under selection during speciation, domestication and breeding	Specie(s): pigs	FP7 - ERC-AG - ERC Advanced Grant	2.3. Competitiveness and adaptability of livestock farming systems facing global changes
SHEEPREP - Advanced Studies on Improving Sheep Fertility by Using Artificial Means of Reproduction	The SheepRep project is seeking to increase the conception rate in ewes following AI, by using new technologies for frozen-thawed semen. Specie(s): sheep	FP7 – People	
SILF: Smart Integrated Livestock Farming: integrating user-centric & ICT-based decision support platforms.	Integrated approach to solving issues with environmental impact and animal welfare during livestock production, using smart farming sensing systems for lameness detection in dairy production - Specie(s):	FP7 - ERA-NET ICT Agri-1	1.3. Precise management of animals; 2.2. Emissions mitigation; 3. Healthy livestock for healthy diets and healthy people
SMEthane: Technological platform to develop nutritional additives to reduce methane emissions from ruminants	Specie(s): cattle, sheep, goats	FP7 - BSG-SME - Research for SMEs	2.2. Emissions mitigation
SOLID: Sustainable Organic and Low-input Dairying	Facilitating the use of breeds and feeding strategies to maintain productivity, improve animal health and welfare while meeting the market requirement for high quality milk. - Specie(s): cattle (dairy cow)	FP7 - CP-IP - Large-scale integrating project	1.2. Efficient and robust animals adapted to new European feed sources; 3.3. Animal welfare supporting animal health and vice versa
SOUNDWEL: Toward a tool for farmers to evaluate welfare states of pigs: measuring vocal indicators of emotions	Specie(s): Pigs	FP7 - ERA-NET Aniwah 2014 call	3.3. Animal welfare supporting animal health and vice versa
SPARE: Development of SPatial risk assessment framework for Assessing exotic disease incuRsion and spread through Europe	Developing an overarching model to make rapid use of available metadata to identify pathways of potential risk for classes of disease transmission (e.g. vector borne). - Specie(s): Cattle, Pig, Goat, Sheep, Poultry	FP7 - ERA-NET Aniwah 2013 call	3. Healthy livestock for healthy diets and healthy people
SporeBiotic: Control of Clostridium difficile: an Emerging Threat to the European Livestock Industry	Specie(s): Pig	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people

STAR IDAZ : Global Strategic Alliances for the Coordination of Research on the Major Infectious Diseases and Zoonoses	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - CSA-CA - Coordination actions	3. Healthy livestock for healthy diets and healthy people
STRENGTH2FOOD: Strengthening European Food Chain Sustainability by Quality and Procurement Policy	To improve the effectiveness of EU food quality schemes (FQS), public sector food procurement (PSFP) and to stimulate Short Food Supply Chains (SFSC) through research, innovation and demonstration activities.	H2020 - SFS-20-2015 - Sustainable food chains through public policies	3.4. Integrity of food of animal origin and the production system
SUPASALVAC: Salmonella-free broilers by live vaccine-induced innate resistance to colonisation and invasion and novel methods to eliminate vaccine and field strains	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - STREP - Specific Targeted Research Project	3. Healthy livestock for healthy diets and healthy people; 3.4. Integrity of food of animal origin and the production system
SUSFANS: Metrics, Models and foresight for European Sustainable Food and nutrition Security	SUSFANS will develop suitable metrics and identify major drivers for sustainable FNS, integrate data and modelling, and develop foresight for European sustainable FNS.	H2020 - SFS-19-2014 - Sustainable food and nutrition security through evidence based EU agro-food policy	3.4. Integrity of food of animal origin and the production system
TABANOID: Trap for the novel control of horse-flies on open-air fields	Specie(s): horses	FP7 - BSG-SME - Research for SMEs	3. Healthy livestock for healthy diets and healthy people
TB Alpine Wildlife: Tuberculosis in Alpine wildlife - Monitoring, diagnostics and potential control strategies of tuberculosis in wild animals in the Alpine provinces of Austria, Germany, Italy and Switzerland.	Specie(s): all	FP7 - ERA-NET EMIDA 2010 call	3. Healthy livestock for healthy diets and healthy people
TB-STEP: Strategies for the eradication of bovine tuberculosis	Specie(s): cattle	FP7 - CP-FP - Small or medium-scale research project	3. Healthy livestock for healthy diets and healthy people
Prenatal events for postnatal muscle growth in relation to the quality of muscle based foods : The importance of prenatal events for postnatal muscle growth in relation to the quality of muscle based foods		COST -	3.4. Integrity of food of animal origin and the production system
THRIVE-RITE: Natural Compounds to enhance Productivity, Quality and Health in Intensive Farming Systems	Specie(s): pig, poultry	FP8 - BSG-SME - Research for SMEs	3.1. Responsible use of Antimicrobials 3.4. Integrity of food of animal origin and the production system
TRACE: Tracing Food Commodities in Europe	Develop generic and commodity specific traceability systems that will enable the objective verification of the origin of food and animal feed. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - IP - Integrated Project	2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products; 3.4. Integrity of food of animal origin and the production system
TRACEBACK 036300: Integrated system for a reliable traceability of food supply chains	Included implementation of a pilot version in two representative food chain models: feed/dairy and tomato (dominant chains of the agro-food sector). - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6-Food - IP - Integrated Project	3.4. Integrity of food of animal origin and the production system
TRANSCRIPTOVAC: Host response gene signatures associated with FMDV infection, vaccination and persistence	Specie(s): Cattle, Sheep	FP7 - ERA-NET Aniwah 2013 call	3. Healthy livestock for healthy diets and healthy people

TREASURE: Diversity of local pig breeds and production systems for high quality traditional products and sustainable pork chains	Research and development activities are proposed for the benefit of sustainable pork chains based on European local pig breeds and their production systems. Workprogramme is planned to respond to consumer demands for quality and healthiness of pork products with regional identity and societal demands for environment preservation and development of local agro-economy. Specie(s): pigs	H2020 - RIA - Research and Innovation action	2.3. Competitiveness and adaptability of livestock farming systems facing global changes; 3.4. Integrity of food of animal origin and the production system
TURKEYWELFARE: Improving turkey health and welfare by reducing foot pad dermatitis	Specie(s): Poultry	FP7 - ERA-NET Aniwah 2012 call	3. Healthy livestock for healthy diets and healthy people
UE-PLF: Bright Farm by Precision Livestock Farming	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - CP-TP - Collaborative Project (targeted)	1.3. Precise management of animals
Understanding and combating porcine reproductive and respiratory syndrome in Europe (FA0902)		COST -	3. Healthy livestock for healthy diets and healthy people
VICE: Vector-borne Infections: risk based and cost efficient surveillance systems	Specie(s): all	FP7 - ERA-NET EMIDA 2011 call	3. Healthy livestock for healthy diets and healthy people
VITAL: Integrated Monitoring and Control of Foodborne Viruses in European Food Supply Chains	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - CP-FP - Small or medium-scale focused research project	3.4. Integrity of food of animal origin and the production system
VMERGE: Emerging viral vector borne diseases	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP7 - CP-TP - Collaborative Project (targeted)	3. Healthy livestock for healthy diets and healthy people
WELFARE INDICATORS: Development, integration and dissemination of animal-based welfare indicators, including pain, in commercially important husbandry species, with special emphasis on small ruminants, equidae & turkeys	Developing and testing animal based welfare, including pain, indicators in sheep, goats, horses, donkeys and turkeys - Specie(s): sheep, goats, horses, donkeys and turkeys	FP7 - CP-IP - Large-scale integrating project	3.3. Animal welfare supporting animal health and vice versa
WELFARE QUALITY: Integration of animal welfare in the food quality chain: from public concern to improved welfare and transparent quality	Developing pan-European standards for on-farm welfare assessment and product information systems as well as practical strategies for improving animal welfare. - Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 – Integrated Project	2.1. Consumers' perceptions and expectations about livestock production systems and consumption of animal products; 3.3. Animal welfare supporting animal health and vice versa; 3.4. Integrity of food of animal origin and the production system
WILDTBVAC: Integrated solutions for Tuberculosis control in animals combining vaccination and multi-species diagnostics	Specie(s): cattle, sheep, goat, poultry, pigs, horses	FP6 - CP-TP - Collaborative Project (targeted)	3. Healthy livestock for healthy diets and healthy people
WIN-FISH: Welfare, Health and Individuality in Farmed FISH	Specie(s): Fish	FP7 - ERA-NET Aniwah 2013 call	3.3. Animal welfare supporting animal health and vice versa

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