

SOA16 Reinforcement of animal resilience (O05 Action 4)

Priority area	Operational objective
Management and husbandry guidelines on farm including aquaculture, during transport and at slaughter	To develop guidelines and preventive tools to fight against animal infectious diseases on farm and during transport
Key words	Partner participation
Resilience, robustness, breeding, genetics, health, welfare, trade-offs, management	INRAE, ANSES, DEFRA, CREA, CSIC, DTU, FBN, FLI, IRTA, NRIAP, SLU, ULE, UNIPD, UNITUS, SURREY, WR

Project summary

Livestock transitions and breeding objectives are changing from mostly production traits to “new” traits like resistance to infections, resilience or robustness. Genomic selection and management changes can now support the selection of more efficient and resilient animals, suited to a wider range of farming systems.

Project objectives	Outcomes and impacts
<ul style="list-style-type: none"> • Develop the necessary knowledge and tools, which are still missing, in order to • integrate resilience traits in selective breeding and • develop true integrated animal health management systems and interventions. • To achieve these general objectives, specific objectives are to • identify resilience indicators and their relation (trade-offs) with health, welfare and production traits, • decipher the effects and interactions of genetics, feeding and management practices on resilience and health traits, • develop new models to improve resilience and health at the population level, and • assess the potential of these new tools in breeding. 	<ul style="list-style-type: none"> • “Resilience” pan-European network of experts • New breeding strategies for resilience and integrated animal health management