

### Theme 1 - Natural Assets

Work Package 1.1 Soil		Work Package 1.2 Water resources and flood risk management		Work Package 1.3 Biodiversity and ecosystems		Work Package 1.4 Integrated and sustainable management of natural assets	
RD 1.1.1	Soil and its ecosystem functions	RD 1.2.1	Water and its ecosystem functions	RD 1.3.1	Biodiversity and ecosystem function	RD 1.4.1	Natural asset inventory and natural capital accounts
RD 1.1.2	Soil resilience to change	RD 1.2.2	Impacts of change on water	RD 1.3.2	Ecosystem services provision	RD 1.4.2	Identifying and understanding multiple benefits and trade-offs
RD 1.1.3	Soil and net GHG emissions	RD 1.2.3	Water environment resilience and adaption to change	RD 1.3.3	Resilience of ecosystems and biodiversity	RD 1.4.3	Realising multiple benefits and managing trade-offs
RD 1.1.4	Soil management	RD 1.2.4	Effectiveness of water management	RD 1.3.4	Biodiversity management		

### Theme 2 - Productive and Sustainable Land Management and Rural Economies

Work Package 2.1 Crop and grassland production and disease control		Work Package 2.2 Livestock production, health, welfare & disease control		Work Package 2.3 Agricultural systems & land management		Work Package 2.4 Rural Industries	
RD 2.1.1	Genetic diversity of crops	RD 2.2.1	Livestock genetic improvement tools	RD 2.3.1	Improvement of livestock	RD 2.4.1	Resilience of rural economies to key external drivers
RD 2.1.2	Crop genetic improvement	RD 2.2.2	Evaluation of livestock health	RD 2.3.2	Protecting genetic diversity	RD 2.4.2	How rural economies can adapt to key external drivers
RD 2.1.3	Plant-pest interactions	RD 2.2.3	Disease mechanisms	RD 2.3.3	Disease threats in the environment	RD 2.4.3	Environmental sustainability and circularity of the rural economy
RD 2.1.4	Plant pest epidemiology	RD 2.2.4	Novel diagnostic tools	RD 2.3.4	Sustainable soil and water management		
RD 2.1.5	In-field detection	RD 2.2.5	Novel vaccines	RD 2.3.5	Improving existing GHG reduction measures		
RD 2.1.6	Integrated pest management	RD 2.2.6	Animal disease epidemiology	RD 2.3.6	Novel GHG reduction measures		
RD 2.1.7	Plant-soil-water interactions	RD 2.2.7	Welfare assessment techniques	RD 2.3.7	Getting further value from the GHG research platform project		
RD 2.1.8	Novel crops	RD 2.2.8	Improved husbandry & reduction of painful procedures	RD 2.3.8	Alternative approaches to sustainable land management		
		RD 2.2.9	GHG reductions from livestock	RD 2.3.9	Integrated management systems		
				RD 2.3.10	Using and sharing data across supply chains		
				RD 2.3.11	Trade-offs between productivity and sustainability		
				RD 2.3.12	Increasing uptake of best practice		

### Theme 3 - Food, Health and Wellbeing

Work Package 3.1 Improved food & drink production		Work Package 3.2 Healthy diets and dietary choice		Work Package 3.3 Food security		Work Package 3.4 Communities and wellbeing	
RD 3.1.1	Improving Scottish primary production	RD 3.2.1	Importance of healthy diets	RD 3.3.1	Food trade and consumption	RD 3.4.1	Demographic change in remote areas
RD 3.1.2	Improving food & drink production	RD 3.2.2	Dietary components of healthy diets and their effects	RD 3.3.2	Enhancing food security	RD 3.4.2	Place-based policy and its implications for policy and service delivery
RD 3.1.3	Food safety	RD 3.2.3	Sustainability of healthy diets	RD 3.3.3	Local food	RD 3.4.3	The role of rural landscape in the wellbeing of communities
RD 3.1.4	Preventing food waste	RD 3.2.4	Food culture and dietary choice			RD 3.4.4	Local assets, local decisions and community resilience
RD 3.1.5	Food ethics						