

Soil

- Soil and its ecosystem functions
- Soil resilience to change
- Soil and net GHG emissions
- Soil management

Water resources and flood risk management

- Water and its ecosystem functions
- Impacts of change on water
- Water environment resilience and adaption to change
- Effectiveness of water management

Natural Assets

Biodiversity and ecosystems

- Biodiversity and ecosystem function
- Ecosystem services provision
- Resilience of ecosystems and biodiversity
- Biodiversity management

Integrated and sustainable management of natural assets

- Natural asset inventory and natural capital accounts
- Identifying and understanding multiple benefits and trade-offs
- Realising multiple benefits and managing trade-offs

Crop and grassland production and disease control

- Genetic diversity of crops
- Crop genetic improvement
- Plant-pest interactions
- Plant pest epidemiology
- In-field detection
- Integrated pest management
- Plant-soil-water interactions
- Novel crops

Livestock production, health, welfare & disease control

- Livestock genetic improvement tools
- Evaluation of livestock health
- Disease mechanisms
- Novel diagnostic tools
- Novel vaccines
- Animal disease epidemiology
- Welfare assessment techniques
- Improved husbandry & reduction of painful procedures
- GHG reductions from livestock

Agricultural systems & land management

- Improvement of livestock
- Protecting genetic diversity
- Disease threats in the environment
- Sustainable soil and water management
- Improving existing GHG reduction measures
- Novel GHG reduction measures
- Getting further value from the GHG research platform project
- Alternative approaches to sustainable land management
- Integrated management systems
- Using and sharing data across supply chains
- Trade-offs between productivity and sustainability
- Increasing uptake of best practice

Productive and Sustainable Land Management and Rural Economies

Rural Industries

- Resilience of rural economies to key external drivers
- How rural economies can adapt to key external drivers
- Environmental sustainability and circularity of the rural economy

Improved food & drink production

- Improving Scottish primary production
- Improving food & drink production
- Food safety
- Preventing food waste
- Food ethics

Healthy diets and dietary choice

- Importance of healthy diets
- Dietary components of healthy diets and their effects
- Sustainability of healthy diets
- Food culture and dietary choice

Food, Health and Wellbeing

Food security

- Food trade and consumption
- Enhancing food security
- Local food

Communities and wellbeing

- Demographic change in remote areas
- Place-based policy and its implications for policy and service delivery
- The role of rural landscape in the wellbeing of communities
- Local assets, local decisions and community resilience