

Farming benefits to society

- Produces food, feed, fuel
- Safeguards environment, biodiversity⁽¹⁾
- Provides ecosystem services

Today's challenges

- Reduce waste, pollution and greenhouse gases (GHG)⁽²⁾
- Business productivity and competitiveness
- Access to markets
- Ensure small-scale farmers livelihood

What can researchers do

1. Assess the feasibility of practical application of mitigation options in the UK.
2. Provide a free and easy-to-use decision support tool for farmers and land managers, in the form of a decision tree.
3. Propose mitigation options to farmers and land managers based not only on environmental impacts, but also considering their socio-economic impact on businesses (options feasibility, sustainability, farmers' engagement)

CLIMATE CHANGE

IMPACTS

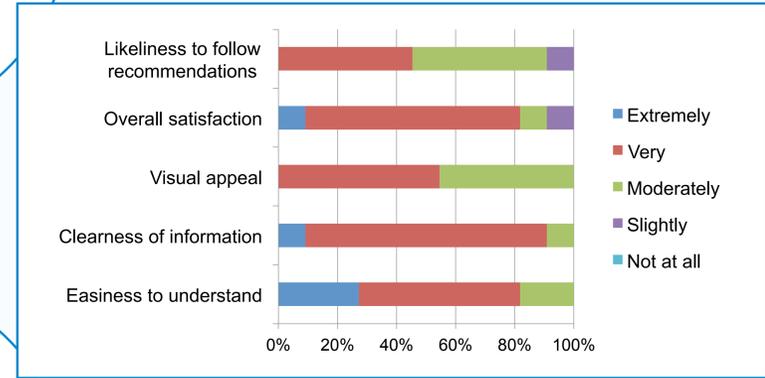
OPPORTUNITIES

TRANSLATIONAL RESEARCH

- Improve farm practices in order to reduce GHG emissions
- Build social capital
- Fill the gap between scientists and farmers

RESULTS

Farmers' feedback on the approach used



- 14 small-scale livestock farmers
- Decision Support Tool to provide farm management practices assessment and guidelines to reduce GHG
- Feedback on farmers' attitudes and perceptions of climate change mitigation

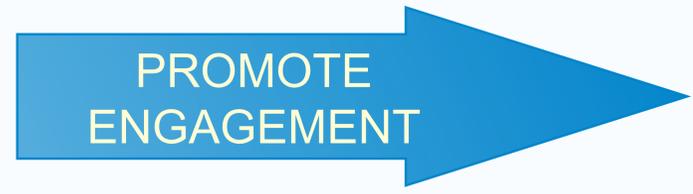
TWO-WAY COMMUNICATION

Barriers to small-scale farmer engagement

1. Financial constraints
2. Trust in official reports, government
3. Support in integrating environmental schemes and GHG emissions reduction
4. Bureaucracy linked to obtaining grants
5. Trust in scientific basis
6. Reluctance to change because the current management is viable

What works with small-scale farmers

1. Trust in source of recommendations (i.e. individual)
2. Interest in conservation and environmental matters
3. Trust in source of recommendations (i.e. institution)
4. User-friendliness of assessment tools
5. Community support and/or engagement



References: 1. Natural England (2010) Environmental Stewardship. Rural Development Programme for England (RDPE) 2007-2013. Natural England and DEFRA, United Kingdom.
2. UK Parliament (2008) UK Climate Change Act 2008. Chapter 27. London, United Kingdom.