

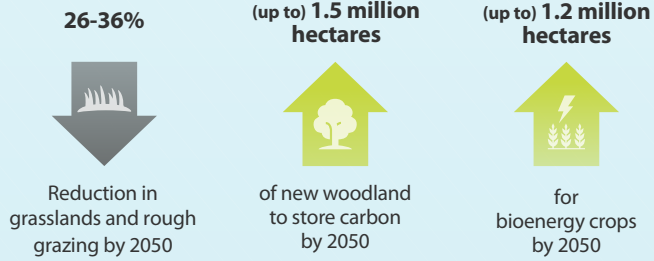
The benefits of changing the way we use our land

Land is a critical natural resource. How it's used and managed is vital to the UK's ability to deliver deeper emissions reductions and improve resilience to the effects of climate change over the long-term

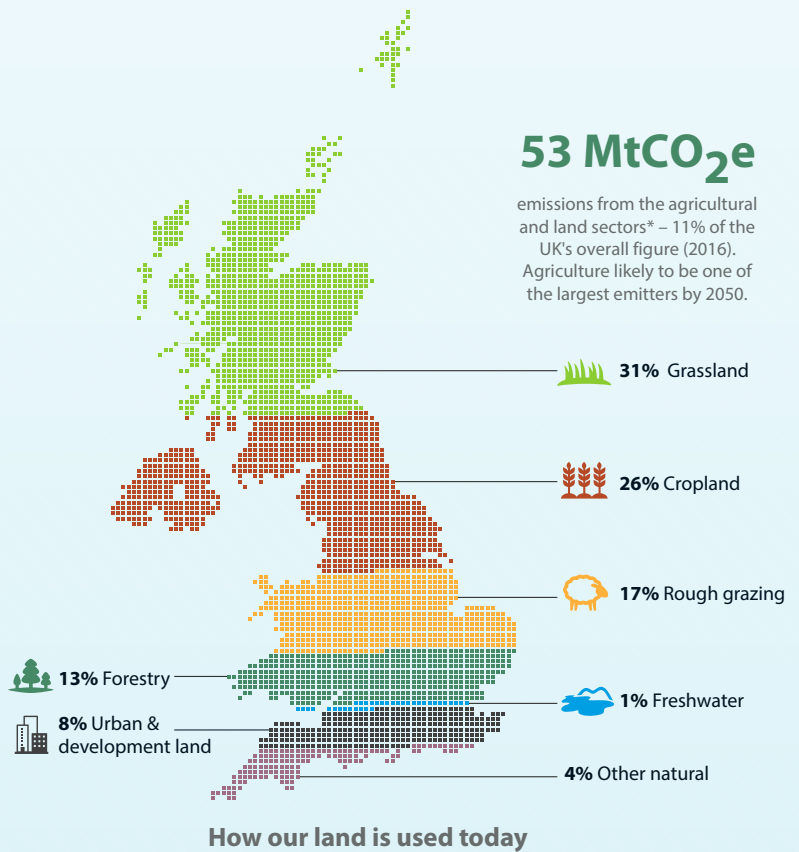
Decisions need to be made quickly

The UK's goals for addressing climate change are unlikely to be met without fundamental land reform. Proposed new UK laws on agriculture and the environment means there is now a one-off opportunity to define a new land strategy.

Nationally, action is required to do the following:



Locally, addressing the risks early could bring multiple benefits:



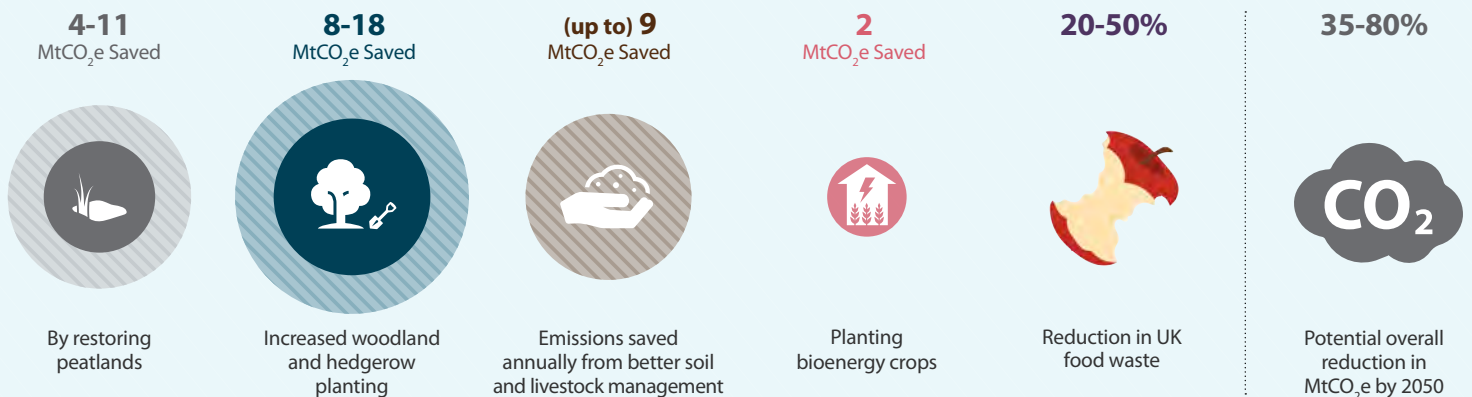
It needs a national, coordinated approach

Freeing-up agricultural land and converting it to alternative uses can help achieve deep emissions reductions. It can also prepare us for the impacts of climate change, while preserving food production and land for development.

Better information for land managers will:	Financial support for those affected by:	Investment in innovation and technology can:	Real action from individuals can:
<ul style="list-style-type: none"> Help people who manage the land to understand the impacts of climate change (local level) Help farmers implement low-carbon farming practices Help identify other appropriate land uses such as planting trees or restoring peatlands 	<ul style="list-style-type: none"> A potential loss of income when switching to e.g. new crops or planting trees Actions that have higher costs (e.g. planting energy crops such as Miscanthus) 	<ul style="list-style-type: none"> Increase agricultural productivity in a sustainable way Improve crops and livestock health by breeding and species selection Reduce the cost of producing synthetic sources of meat and dairy 	<ul style="list-style-type: none"> Reduce the amount of household food waste (70% of overall UK food waste) Lead to more healthier diets which can also help reduce emissions and protect natural land

The emissions benefits of acting now by 2050

The combination of measures required to reduce emissions can lead to long-term benefits. Many of these accrue over time:



*53 MtCO₂e is based on modelling work done for this report