

Introduction to the Scottish Government's research on “Environment, Land Use and Rural Stewardship”



ROYAL
BOTANIC
GARDEN
EDINBURGH



 The Scottish Government

Making Scotland's Rural Environment More Sustainable



ROYAL
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Integrative research based around Scotland's Natural Resources



Enhancing Water Quality



Protecting the Nation's Soils



Conserving Natural Heritage



Developing Rural Scotland

To help

- determine key factors influencing function and resilience of Scotland's Environment.
- improve knowledge on hazard identification, the threat that various risks pose, and solutions to adapt and mitigate.
- develop appropriate balance of land use: agriculture/forestry, environmental services, recreation, tourism, wildlife refuge.

Addressing Policy Issues



Enhancing Water Quality



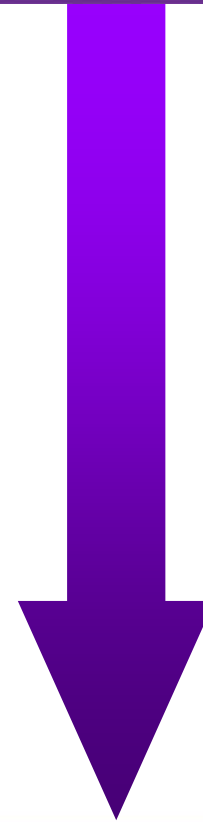
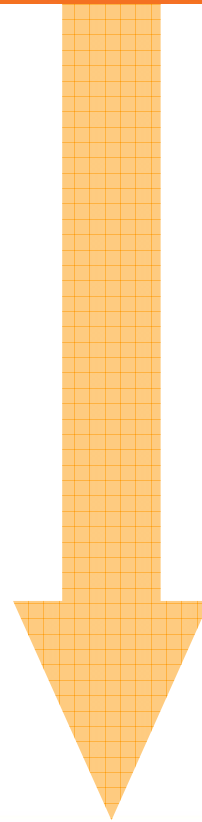
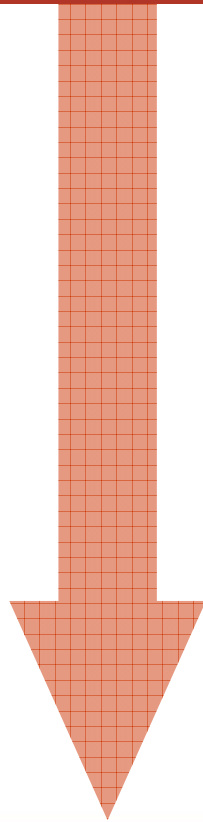
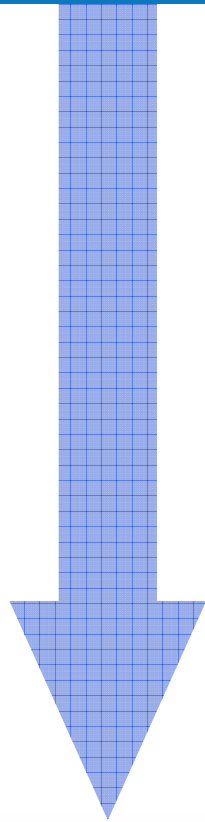
Protecting the Nation's Soils



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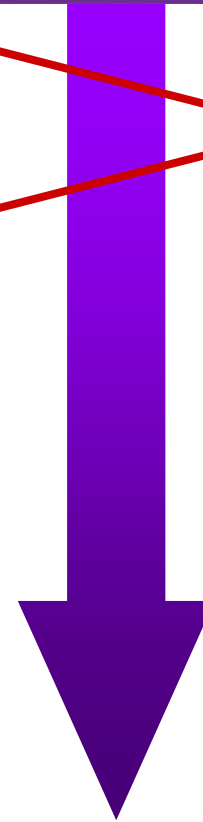
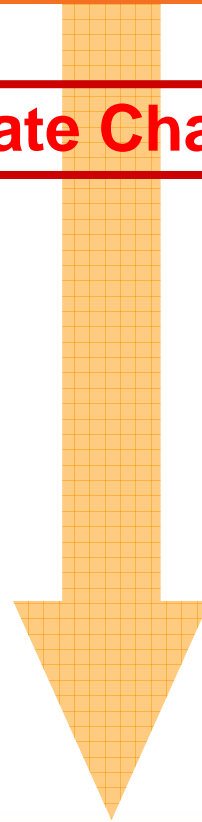
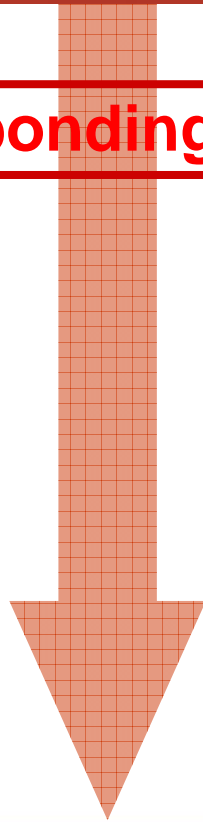
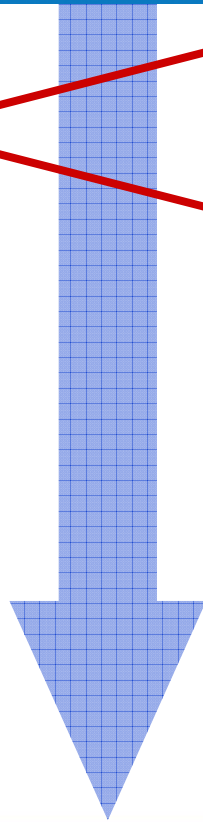


Conserving Natural Heritage



Developing Rural Scotland

Responding to Climate Change





Enhancing Water Quality



Protecting the Nation's Soils



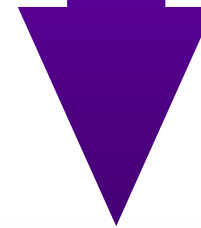
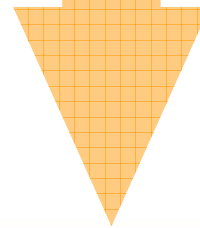
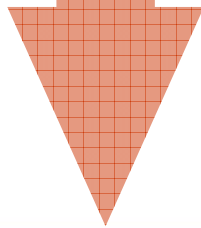
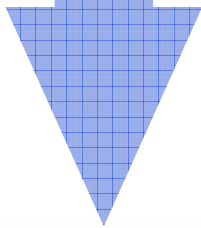
Conserving Natural Heritage



Developing Rural Scotland

Responding to Climate Change

Protecting Biodiversity





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Conserving Natural Heritage

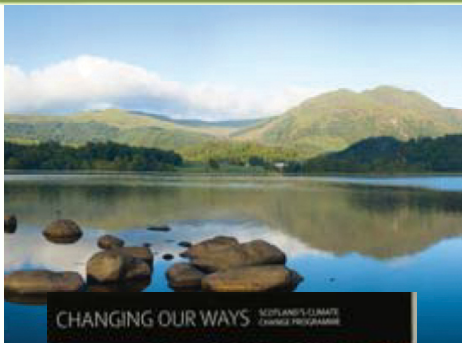


Developing Rural Scotland

Responding to Climate Change

Protecting Biodiversity

Sustainability of Rural Scotland



CHANGING OUR WAYS SCOTLAND'S CLIMATE CHANGE PROGRAMME



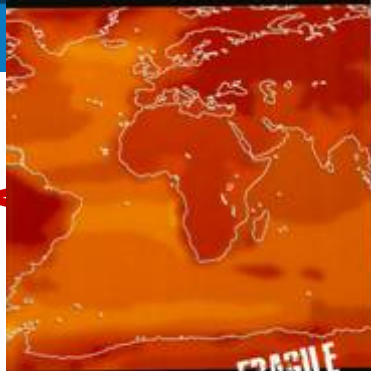
Protecting the Nation's Soils



Conserving Natural Heritage



Developing Rural Scotland



CHOOSING OUR FUTURE SCOTLAND'S SUSTAINABLE DEVELOPMENT STRATEGY



Responding to Climate Change

Protecting Biodiversity

Sustainability of Rural Scotland



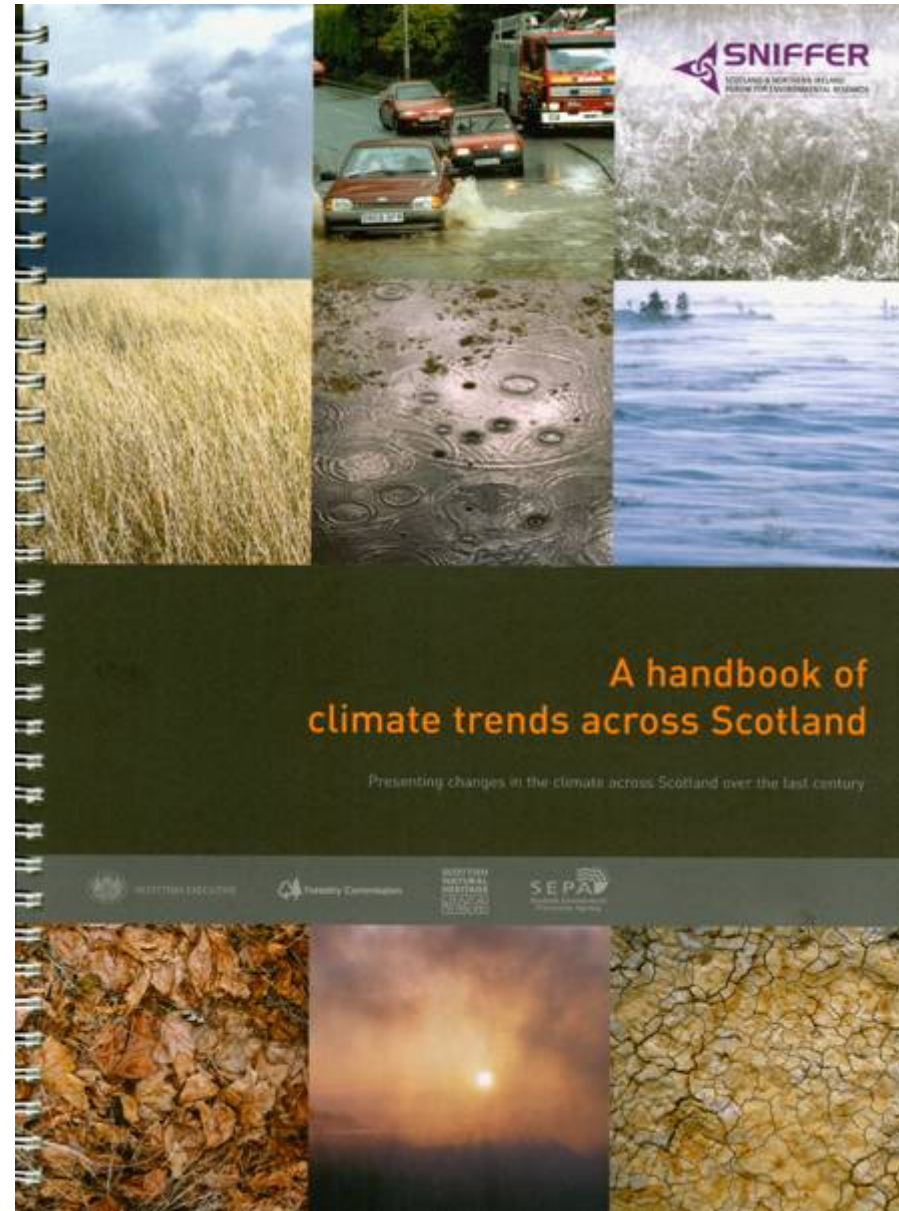
Scotland's Biodiversity

It's In Your Hands

A strategy for the conservation and enhancement of biodiversity in Scotland

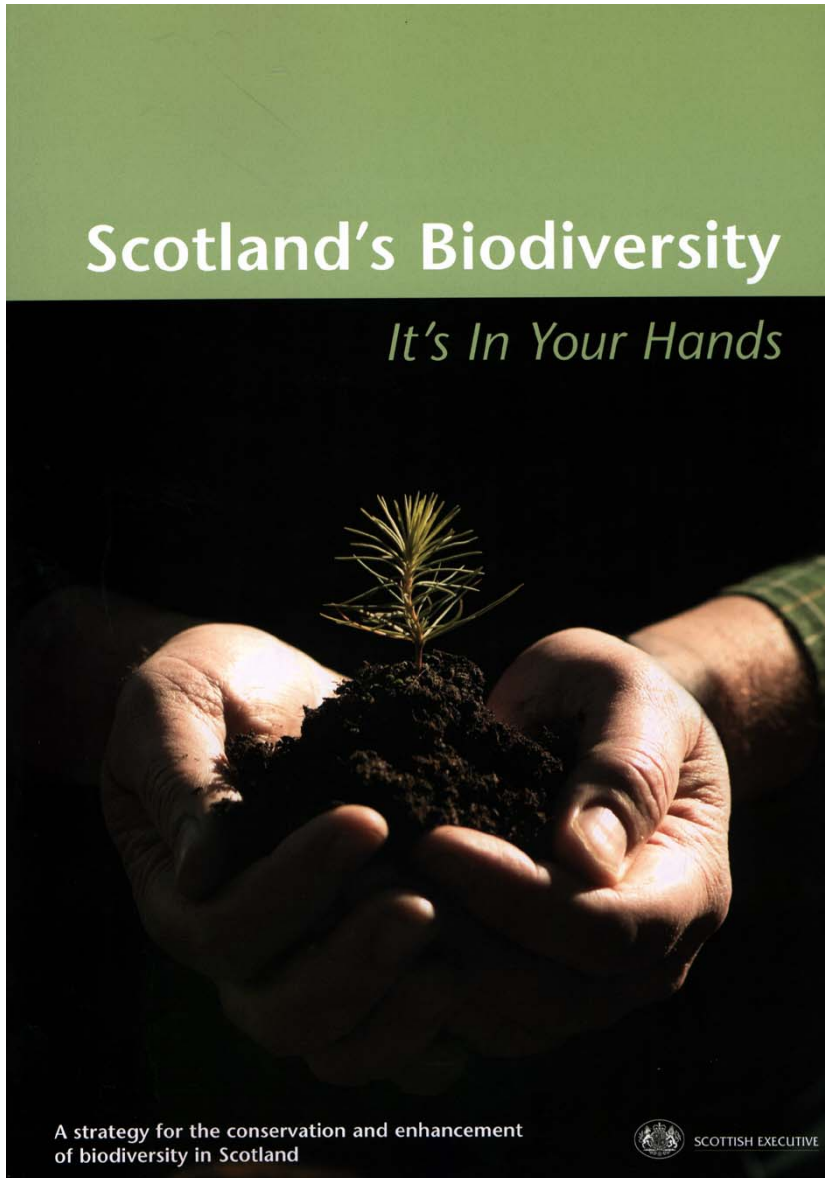
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- **Scottish Climate Change Bill**
- long-term target to reduce our emissions by 80% by 2050”.
- equivalent to reductions of 3% each year.



Scotland's Biodiversity

It's In Your Hands



A strategy for the conservation and enhancement
of biodiversity in Scotland



Scotland's Biodiversity Strategy

- **Species and Habitat**
– halting loss, terrestrial and aquatic
- **Landscapes & Ecosystems**
– enhancing biodiversity
- **People**
– raising awareness
- **Integration and Coordination** –
framework for inclusion in all
decision making
- **Knowledge** –
best new and existing information
for stakeholders



- **Landscape and catchment futures**
- **Mitigation to ensure unwanted change**
- **Adaption to ensure viability of rural livelihoods**
- **Balance provisioning, regulating, and cultural functions of ecosystem goods and services**
- **Deal with emerging issues of energy and food security, land use change**



Farming



Housing



Recreation



Forestry



Wildlife



Harbour and Coastal Zone



Fishing



Renewable Energy



Industry and Irrigation



Farming



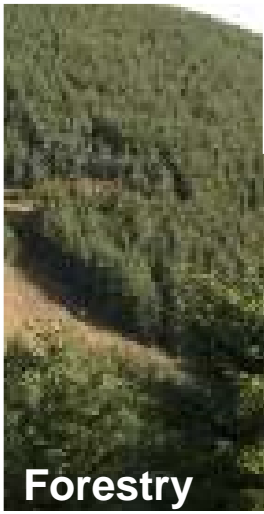
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Flooding



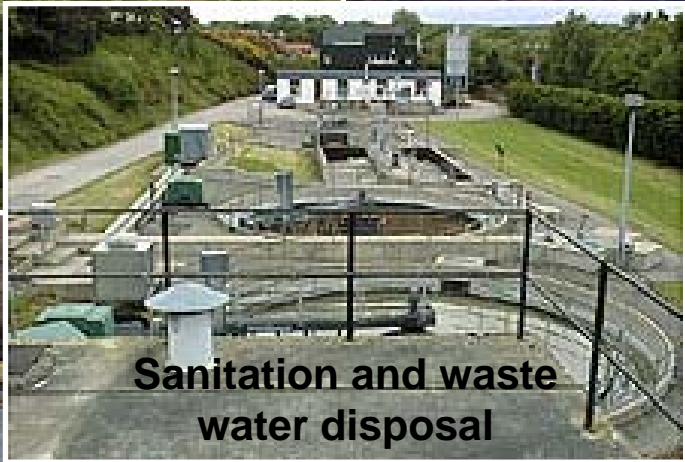
Drinking water



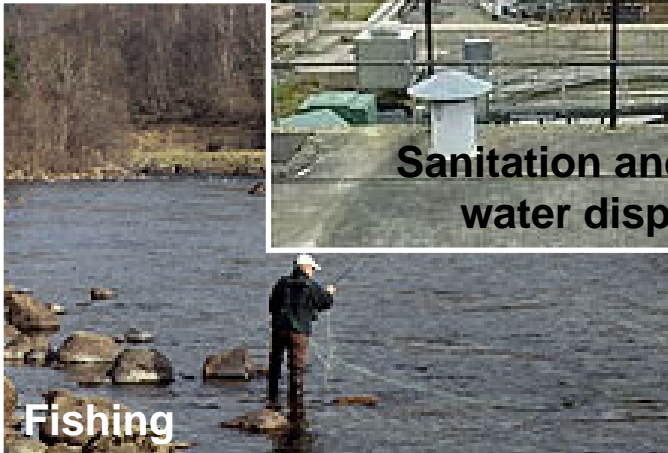
Forestry



Drought



Sanitation and waste water disposal



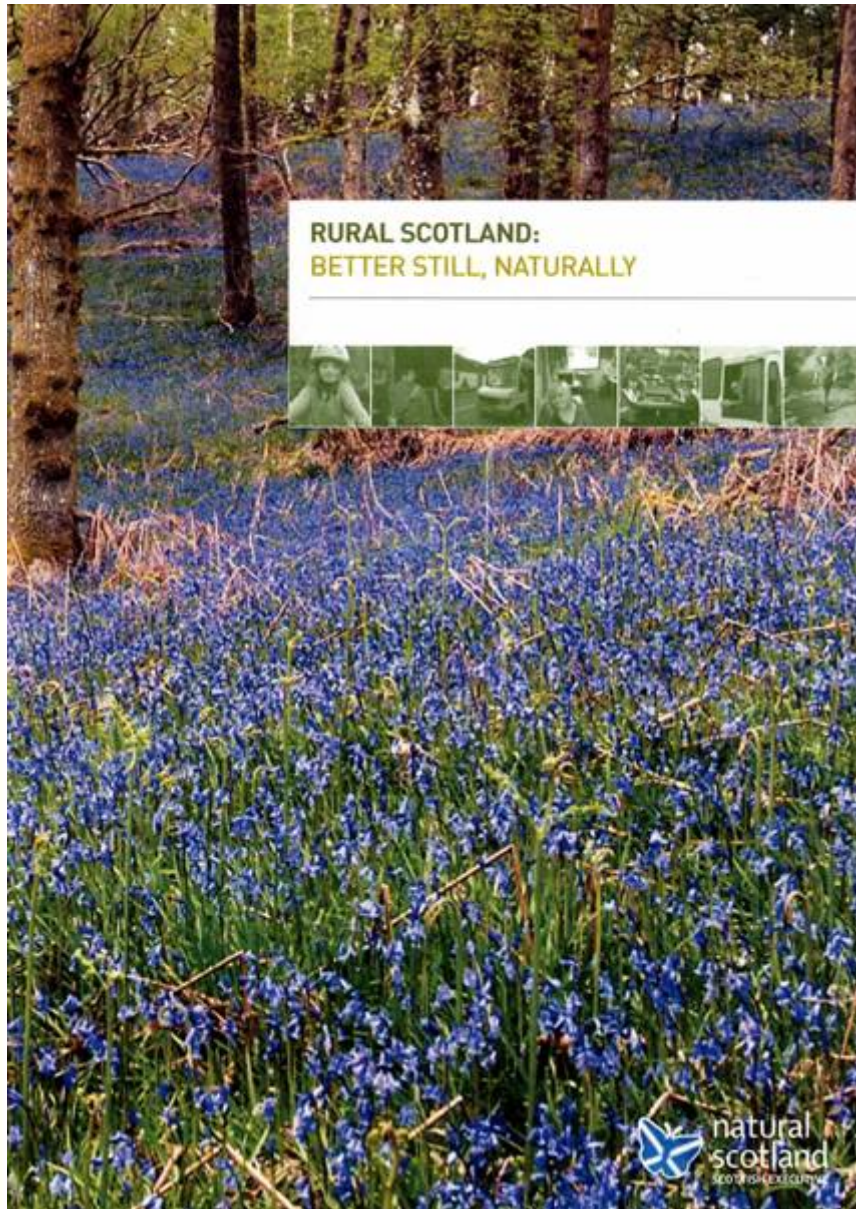
Fishing



Renewable Energy

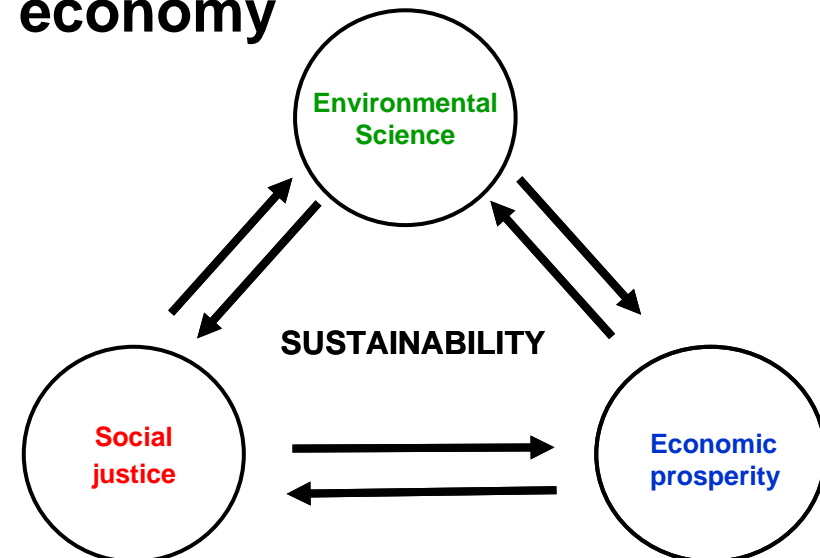


Industry and Irrigation



Guiding Principles

- Living within environmental limits
- Ensuring a healthy and just society
- Achieving a sustainable economy



- Promoting good governance
- Using sound science responsibly