

Carse of Gowrie Climate Change Panel

Session 1: your area 22 February 2011

Welcome

Introduction and background

Climate change - national policy agenda National research for Scottish Natural Heritage Nairn and the Machars Scottish Climate Change Impacts Partnership Perth and Kinross Council Ground rules! Dialogue...

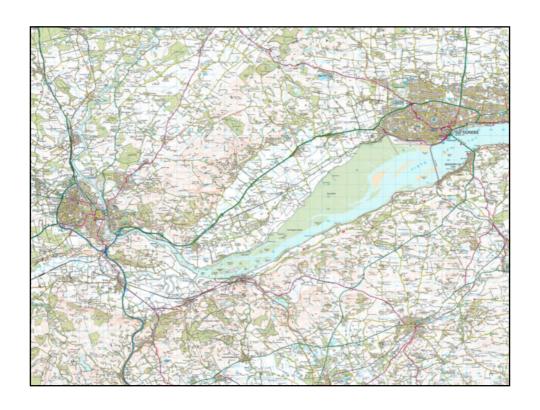
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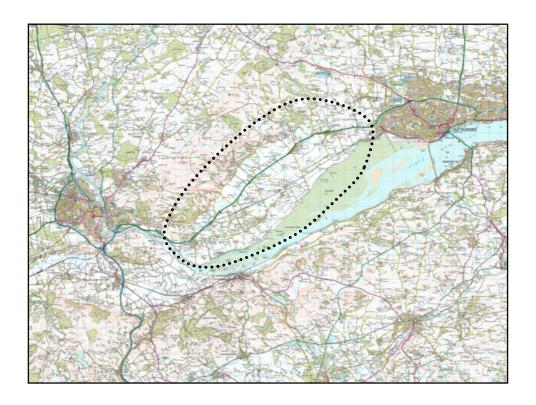
Overview of the process

Session 1: your area and its climate

Session 2: how climate change could affect the area Session 3: choices and trade-offs: your priorities

What's the area we are looking at?





The local area

How would you describe the area to someone who's never been here?

Think about the different **places** or particular **features** that make up the area

Think about those places or features which make the area **distinctive** or which you think are particularly **special** or **important**

Equally importantly, think about the negative things about the area – **current problems or issues**

- natural environment
- built environment
- local economy
- social and community
- culture and heritage
- strengths
- weaknesses

Adapting to Climate Change Workshops OUR NATURAL ENVIRONMENT Forests and Woodlands, Rivers and Lochs, Mountains and Moorland, Coast and Sea, Fields and Farmland, Flora and Fauna	

Adapting to Climate Change Workshops

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STRENGTHS WEAKNESSES

Drummond Castle and Gardens Circular walk around the village Views over farmland and woodlands to the Highlands

River Earn - walking and fishing Bennybeg geological dyke - climbing Torlum hills - great views along Strathearn towards the Ochils and Sidlaws

Bennybeg Pond

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Sidlaws

WEAKNESSES

Loss of old trees along field boundaries

Noise from traffic along the A822 Flooding along burns and the River Earn

Grey squirrels taking over from the reds

The scars left by clear felled forestry

Process

List the places or features on the sheet

Mark and number the main places and features on the map

We are here to help

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The changing climate

The changing climate

Weather refers to day to day or year to year variations in conditions

Climate refers to average conditions – usually taken over a 30 year period. Allows trends and patterns to be detected. Based on long term global patterns.

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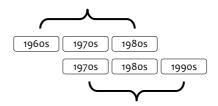
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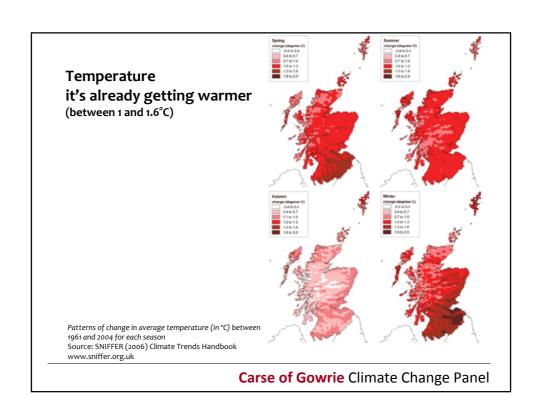
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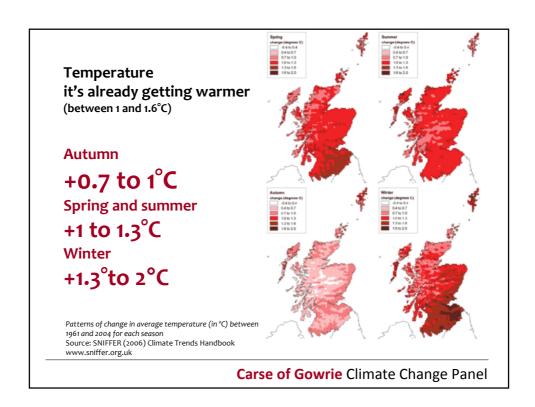
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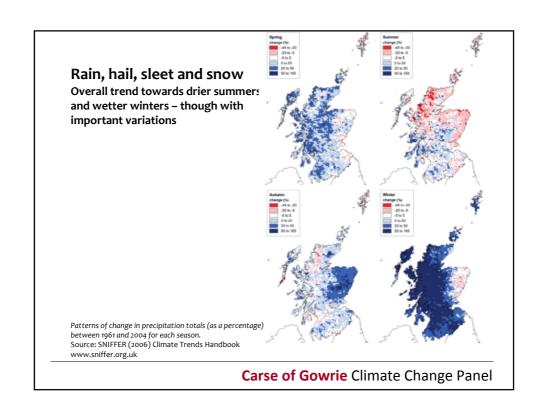
Recent climate data

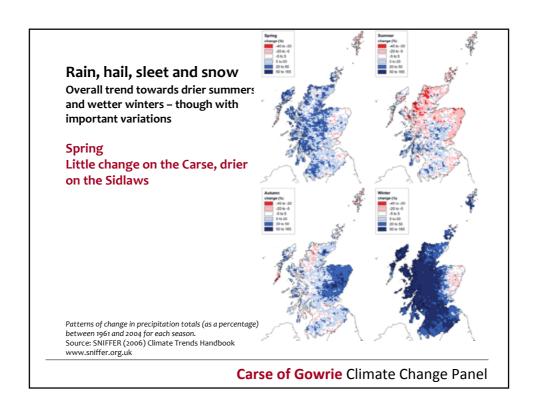
Comparison of figures for the thirty years from 1961-1990 with the thirty years from 1971-2000 indicates the climate is already changing..

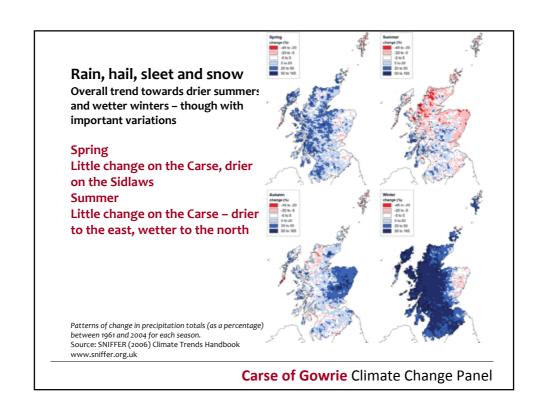


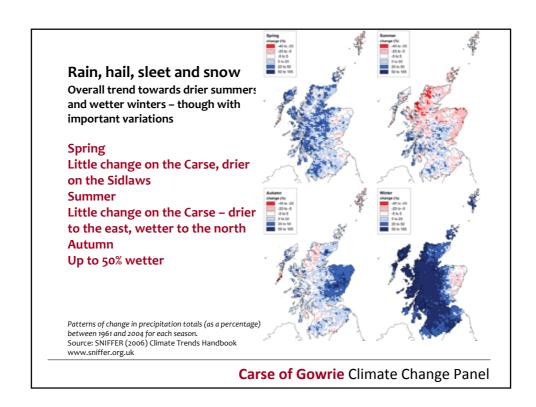


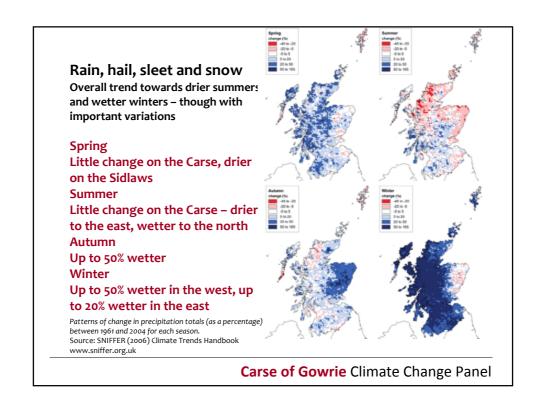


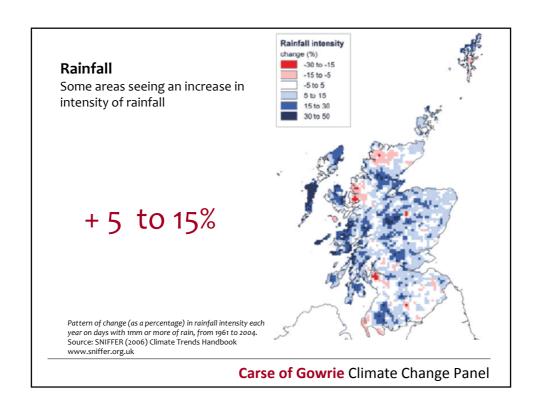


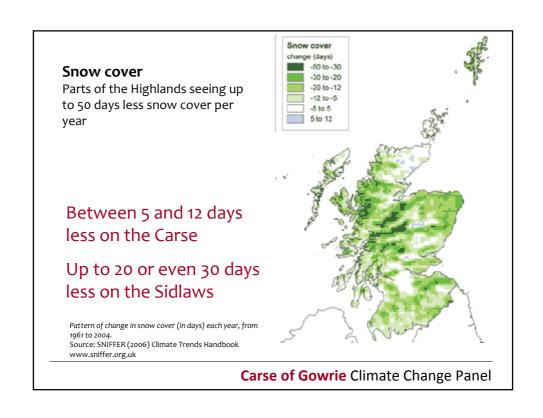


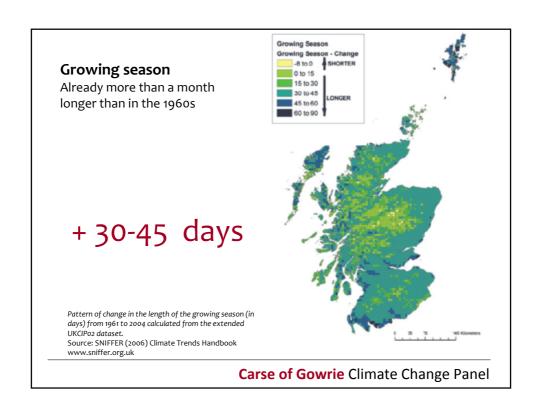












... in summary

climate records suggest it is already getting warmer, winters are much wetter, the growing season is longer and the snowy winters of our childhoods are less common

Discussion

Have you noticed any ways in which the climate is changing here in the Carse of Gowrie?

- Rainfall
- Temperature
- Summers
- Winters

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Future climate change

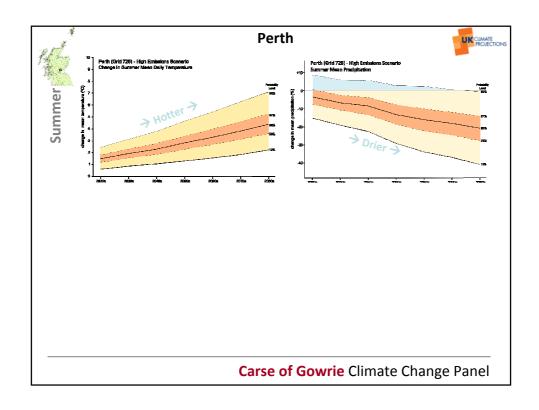
Latest UK Climate Projections published in 2009

Complex data covering different time periods, different emission scenarios and based on differing levels of probability.

Key messages:

- Summers will become hotter and drier
- Winters will become milder and, in most parts of Scotland, wetter

UKCPo9 assumptions (timescale, emission levels, probability)



Temperature

Mean daily maximum temperature

