

19 References and further information

The Forestry Commission (www.forestry.gov.uk/climatechange) and Forest Research (www.forestresearch.gov.uk/climatechange) climate change web pages are a good starting point for finding out more information. Below are details of where the information for each topic came from, and some suggestions for finding out more.

Sheet 2: Background

Broadmeadow, M. & Matthews, R. (2003) *Forests, carbon and climate change: the UK contribution*. Forestry Commission Information Note 48. www.forestry.gov.uk/publications.

The Strategy for England's Trees, Woods and Forests (ETWF) and the ETWF Delivery Plan 2008-2012 can be found at www.forestry.gov.uk/etwf

Forestry Commission England (2008) *Leafing the Classroom: Strategy for Forestry Commission Estate Education and Learning Services 2008-2012*.

Forestry Commission (2007). *Forests and Climate Change: A Convenient Truth*. This can be downloaded from www.forestry.gov.uk.

Sheet 3: What will climate change look like?

Hulme (2002) *The changing climate of the UK: now and in the future*. In Broadmeadow, M. ed. *Climate change: Impacts on UK forests*. Forestry Commission Bulletin 125.

Jenkins, G.J., Perry, M.C., & Prior, M.J. (2008). *The climate of the United Kingdom and recent trends*. Met Office Hadley Centre, Exeter, UK. www.ukcip.org.uk.

The UK Climate Impacts Programme (UKCIP) publish revised future climate scenarios every six years. See the latest scenarios on the UKCIP website: www.ukcip.org.uk.

For more details on the science of climate change see the IPCC Fourth Assessment Report: www.ipcc.ch.

Sheet 4: Implications for forestry

Information on general impacts came from Broadmeadow and Matthews (2003) below. The reports listed here can be found on the Forestry Commission Publications website: www.forestry.gov.uk/publications.

Broadmeadow, M. & Matthews, R. (2003) *Forests, carbon and climate change: the UK contribution*. Forestry Commission Information Note 48.

Broadmeadow, M. & Ray, D. (2005) *Climate change and British woodland*. Forestry Commission Information Note 69.

Ray, D. (2008) *Impacts of climate change on forestry in Wales*. Forestry Commission Research Note 301.

Ray, D. (2008) *Impacts of climate change on forestry in Scotland – a synopsis of spatial modelling research*. Forestry Commission Research Note 101.

Information on pests and diseases came from the Forestry Commission and Forest Research websites, and from: Evans, H., Straw, N. and Watt, A. (2002) *Climate change: Implications for insect pests*. In Broadmeadow, M. ed. *Climate change: Impacts on UK forests*. Forestry Commission Bulletin 125.

Brown, A. & Webber, J. (2008) *Red band needle blight of conifers in Britain*. Forestry Commission Research Note 002.

Brasier, C. (1999) *Phytophthora pathogens of trees: their rising profile in Europe*. Forestry Commission Information Note 30. www.forestresearch.gov.uk.

Sheet 5: Summary of the Forestry Commission role

An information booklet entitled "Forest Research Climate Change Projects" can be downloaded from www.forestresearch.gov.uk/climatechange.

Benham, S. (2008) *The Environmental Change Network at Alice Holt Research Forest*. Forestry Commission Research Note 001. www.forestry.gov.uk/publications.

Broadmeadow, M. & Ray, D. (2005) *Climate change and British woodland*. Forestry Commission Information Note 69. www.forestry.gov.uk/publications.

Sheet 6: Mitigation – planting more trees

Information on the carbon budget of Kielder Forest came from: Grieg, S. (2008) *A Carbon Account for Kielder Forest*. Scottish Forestry 62(3).

Sheet 7: Sustainable management and protection

Information about sustainable management came from the Forestry Commission and Forest Research websites, as well as the BTCV website (www.btcv.org), which has a very good online guide to woodland management. Information on certification came from the Forestry Commission website and the Forest Stewardship Council website: www.fsc.org.

Sheet 8: Mitigation - wood products

The Wood for Good website is an excellent starting point for finding out more information about wood as a material and as a product. Wood for Good is the UK's wood promotion campaign, and the Forestry Commission is one of the three main sponsors. Go to: www.woodforgood.com. Much of the information for this section came from the Wood for Good factsheets available on the website.

Wood for Good are also involved in a pan-European project to communicate the role of wood products in mitigating climate change, and have produced a booklet with the Nordic Timber Council entitled "The role of wood in reducing climate change: a summary of the arguments". Type this title into Google to download.

Also interesting is: Journal of Forestry (2008) Chapter 3: *Preventing greenhouse gas emissions through wood substitution*. Type this title into Google to download.

Sheet 9: Mitigation - wood fuel

The wood fuel pages of the Forestry Commission website (www.forestry.gov.uk/woodfuel) are a good general reference, and include "A Wood Fuel Strategy for England". The Biomass Energy Centre website: www.biomassenergycentre.org.uk is also a very good reference point.

The Forestry Commission England has produced a DVD called "Wood fuel: Energy that grows on trees" which can be downloaded from: <http://www.forestry.gov.uk/forestry/inf-d-7fzdbd>.

Forest Research have produced a "Wood Fuel Information Pack" which can be ordered from www.forestresearch.gov.uk/woodfuel. A useful leaflet is "Wood Fuel Meets the Challenge" (2006) – a Forest Research publication by Duncan Ireland, Jenny Claridge and Richard Pow. This can also be downloaded from www.forestresearch.gov.uk/woodfuel.

Farming Futures Fact Sheet 19: *Climate change: be part of the solution – focus on biomass for renewable energy*. Download from: www.farmingfutures.org.uk.

Sheets 10 and 11: Adaptation

Information came from the Forestry Commission and Forest Research websites, and from Broadmeadow and Ray (2005) *Climate change and British woodland*. Forestry Commission Information Note 69. www.forestry.gov.uk/publications

Broadmeadow, M. & Ray, D. (2005) *Climate change and British woodland*. Forestry Commission Information Note 69.

Hubert, J. & Cottrell, J. (2007) *The role of forest genetic resources in helping British forests respond to climate change*. Forestry Commission Information Note 086. This report explains the science behind species choice and looks at some of the questions surrounding native species and climate change. www.forestry.gov.uk/publications.

Defra (2008) *Adapting to climate change in England: A framework for action*. www.defra.gov.uk.

RSPB (2008) *Climate Change: Wildlife and Adaptation – 20 tough questions, 20 rough answers*. www.rspb.org.uk.

Sheet 17: Facts and Figures

Facts on climate change in the UK came from Hulme (2002) (see sheet 3 references on previous page).

Figures on wood product manufacture and insulative values came from www.woodforgood.com.

Statistics on global carbon budgets are from the Forestry Commission website, and "Forests and Climate Change: A Convenient Truth" which can be downloaded from www.forestry.gov.uk.

Facts on wood fuel came from "Wood Fuel Meets the Challenge" and the "Wood Fuel Information Pack" see references for sheet 9). The table of relative carbon dioxide emissions is from the Biomass Energy Centre website: www.biomassenergycentre.org.uk.