

Communicating Climate Change

Module 6

August 2008

An initiative of the National Agriculture and Climate Change Action Plan

Climate information on the internet

Short-term outlooks

The Bureau of Meteorology – weather and warnings

Links to forecasts, warnings and observations for Bureau of Meteorology weather stations across Australia.

<http://www.bom.gov.au/weather>

Elders weather

Australia and world weather forecasts, warnings, observations and radar maps.

<http://www.eldersweather.com.au>

SILO – Meteorology for the Land

Information on localised weather and rainfall reports, detailed rainfall and temperature information, solar radiation grids, rainfall outlooks for months ahead.

<http://www.bom.gov.au/silo/>

Australian Weather News

Summaries of significant, unusual and noteworthy weather around Australia on a day-to-day basis, with archives dating back to 1996.

<http://www.australianweathernews.com>

Centre for Ocean-Land-Atmosphere Studies (COLA) – Weather and Climate Data

Temperature and precipitation modelled outlooks for a number of countries (including Australia) showing 0–5 and 6–10 day outlooks plus 10-day anomalies.

<http://wxmaps.org>

Weatherzone

Australian and world weather forecasts, including the Bureau of Meteorology's weather radar and rainfall map, and weather reports.

<http://www.weatherzone.com.au>

A cooperative venture between



Australian Government
**Department of Agriculture,
Fisheries and Forestry**
Bureau of Meteorology



Medium-term outlooks

The Madden-Julian Oscillation

Australia-specific information about the Madden-Julian Oscillation, including current situation reports, implications for rainfall in Australia and links to further information.

<http://www.apsru.gov.au/mjo/index.asp>

Three-month outlooks

The Bureau of Meteorology – Seasonal outlooks

Links to a number of seasonal outlooks, including 3-month rainfall and temperature outlook for north, south-east and Western Australia, regular commentary on the El Niño - Southern Oscillation (the ENSO wrap-up), model outlooks for ENSO, and forecast of El Niño events.

<http://www.bom.gov.au/climate/ahead>

The Long Paddock

The Queensland Government's decision-support information services for managing climate risk. Includes a three-month outlook using the Southern Oscillation Index and links to AussieGRASS for pasture growth outlooks.

<http://www.longpaddock.qld.gov.au>

Department of Agriculture and Food, Western Australia – Climate Risks and Opportunities

Links to a regionally relevant seasonal outlook, a monthly update of El Niño - Southern Oscillation conditions, and links to decision-support systems and information about the Department's climate research and development projects.

<http://www.agric.wa.gov.au/climate>

European Centre for Medium-Range Weather Forecasting

Medium-range weather forecasts, ocean analysis, seasonal forecasts, and data services. Links to the sites of its 31 member countries.

<http://www.ecmwf.int/>

International Research Institute for Climate and Society

Precipitation and temperature seasonal forecasts for Africa, Asia, Australia, Europe, Middle East, North America, Pacific Islands and South America. Also has a large number of technical reports, information on the state of El Niño - Southern Oscillation, summary of recent climate events and impacts and a strong focus on capacity building and education.

<http://portal.iri.columbia.edu/portal/server.pt>

UK Meteorology Office Hadley Centre

Leading international research centre studying global climate, with a focus on climate change scenarios and impacts.

<http://www.metoffice.gov.uk/research/hadleycentre/index.html>

Climate information

The Bureau of Meteorology – Water and the Land

An integrated suite of climate information for primary industries and natural resource management. Includes rainfall forecasts, infrared satellite images, temperature, wind, pressure, humidity, evaporation, sunshine, and El Niño and La Niña information.

<http://www.bom.gov.au/watl/>

The Bureau of Meteorology – Climate Data Online

Climate statistics for more than 1000 sites across Australia, and overview maps, including climate zones, evapotranspiration, sunshine hours, relative humidity and thunder days.

<http://www.bom.gov.au/climate/averages/>

Managing Climate Variability

Funded by commodity research and development corporations and the Australian Government, Managing Climate Variability invests in research, development and extension to help Australian farmers to manage climate risk. The program invests in research to improve the skill and value of seasonal climate forecasts and develops tools and applications to help farmers incorporate climate risk into their business decisions. The website provides fact sheets about research projects and stories about how farmers are managing climate risk. CLIMAG newsletter is available for download.

<http://www.managingclimate.gov.au/>

CSIRO Marine and Atmospheric Research

Scientific advice and solutions on issues involving the atmospheric environment and the climatic systems. Covers topics such as the greenhouse effect, ozone depletion, El Niño and La Niña, and urban and regional air pollution.

<http://www.cmar.csiro.au/>

Victorian Resources Online – Climate

Climate information for Victoria, accessible at both state and regional levels.

<http://www.dpi.vic.gov.au/dpi/vro/vrosite.nsf/pages/climate-home>

National Agricultural Monitoring System

Climatic and production information, for dryland / broadacre and irrigated industries, for over 600 regions throughout Australia.

<http://www.nams.gov.au/>

South Australian Research and Development Institute – Climate Applications Unit

Research project descriptions, crop production risk information to help farmers in decision making, climate outlook and support information, publications, and descriptions of services available.

<http://www.sardi.sa.gov.au/dhtml/ss/section.php?sectID=9&tempID=1>

Queensland Department of Primary Industries and Fisheries – climate information

Links to climate and crop outlook information, forecasts, severe weather warnings and decision-support tools.

<http://www.dpi.qld.gov.au/climate/>

Australian Government Department of Climate Change

General and agriculture-related information about climate change and a range of publications.

<http://www.climatechange.gov.au>

Victorian Climate Change Program

Information about how the Victorian Government is addressing climate change. Includes background information about climate change, emissions trading, adaptation and current actions across a range of sectors.

<http://www.climatechange.vic.gov.au>

Climate Change in Australia

A combined CSIRO, Bureau of Meteorology and Australian Government Department of Climate Change website providing climate change information specific to Australia, based on international climate change research, including conclusions from the IPCC's fourth assessment report. Includes a link to the 2007 report: *Climate change in Australia*.

<http://www.climatechangeinaustralia.gov.au>

The Climate Institute

The Climate Institute is a non-partisan, independent group that works with community, business and government to drive innovative and effective climate change solutions. Its goal is to raise public awareness and debate about the dangers to Australia of global warming, and motivate the country to take positive action. Fact sheets and reports are available for download.

<http://www.climateinstitute.org.au/>

Climate change – the big picture

The UK Meteorology Office explains the facts and dispels the myths of climate change.

<http://www.metoffice.gov.uk/corporate/pressoffice/myths/index.html>