Press Release

CO₂ emissions still booming

24 September 2008
Embargo: 00.01 Friday 26 September 2008

Scientists will this week (Friday 26 Sept) announce the annual update on the global carbon figures. They report that CO₂ emissions from burning fossil fuels and cement manufacturing continue to increase rapidly despite international agreements to limit emissions of greenhouse gases.

The latest estimates of annual CO₂ emissions indicate also that the pattern of emissions has changed markedly since the drafting of the United Nations Framework Convention on Climate Change in 1992, and that more than half of global emissions are now from the so-called ‘developing countries’. Forests and oceans - the Earth’s natural sinks - absorbed 54% of the CO₂ emissions since 2000, down by 3% compared to 1959-2000.

Professor Corinne Le Quéré from British Antarctic Survey and the University of East Anglia is a leading expert involved in the international Global Carbon Project which provides scientific evidence and knowledge to support policy debate and action to slow the rate of increase of greenhouse gases in the atmosphere.

She says,
"The global economy continues to depend on fossil fuels. Over the past 10-15 years we’ve observed the increased CO₂ contribution made by developing countries as their economies grow. CO₂ in our atmosphere is a very serious issue. Emissions in 2007 were at the high end of those used for climate projections in the last Intergovernmental Panel for Climate Change (IPCC) report. If this trend continues and the natural sinks
weaken, we are on track towards the highest projections of climate change.” ENDS

Issued by British Antarctic Survey and University of East Anglia Press Offices

Contact:
Linda Capper, British Antarctic Survey. Tel +44 (0)1223 221448; email: LMCA@bas.ac.uk; mobile: +44 07714 233744
Simon Dunford, UEA – tel +44 (0)1603 592203, email: s.dunford@uea.ac.uk

Interview opportunities:
Professor Corinne Le Quéré – Mobile: +44 7736 921693, email: cleq@bas.ac.uk
Professor Le Quéré will be at British Antarctic Survey on Thurs 25 Sept 08

Dr Pep Canadell email: pep.canadell@csiro.au Note: Dr Candadell will be in Washington DC available on mobile: 00 61 407 068930.

These findings will be published online by the Global Carbon Project http://www.globalcarbonproject.org/ and discussed on Friday at a forum at the Russell Senate Office Building in Washington, D.C., and at the Paris Observatory in France.

More information is available at the Carbon Dioxide Information Analysis Center web site (http://cdiac.esd.ornl.gov/). The center is supported by DOE’s Climate Change Research Division within the Office of Biological and Environmental Research.

The Cambridge-based British Antarctic Survey (BAS) is a world leader in research into global environmental issues. With an annual budget of around £45 million, five Antarctic Research Stations, two Royal Research Ships and five aircraft BAS undertakes an interdisciplinary research programme and plays an active and influential role in Antarctic affairs. BAS has joint research projects with over 40 UK universities and has more than 120 national and international collaborations. It is a component of the Natural Environment Research Council. More information about the work of the Survey can be found at: www.antarctica.ac.uk

The University of East Anglia is a world-leader in environmental research and home to the climatic Research Unit, the Tyndall Centre for Climate Change Research, and the Zuckerman Institute for Connective Environmental Research www.uea.ac.uk

The Global Carbon Project was formed to assist the international science community to establish a common, mutually agreed knowledge base supporting policy debate and action to slow the rate of increase of greenhouse gases in the atmosphere. www.globalcarbonproject.org

Data source:

The global carbon budget is compiled annually by the Global Carbon Project www.globalcarbonproject.org based on data from:
Fossil fuel and cement CO₂ emissions: G. Marland, T.A. Boden, R.J. Andres, and J. Gregg. Carbon Dioxide Information Analysis center, oak ridge national laboratory, U.S. Department of energy, oak ridge, tenn., U.S.A.

