

A vibrant blue sky filled with soft, white, wispy clouds. The clouds are scattered across the frame, with some appearing as thin streaks and others as larger, more defined patches. The overall atmosphere is bright and clear.

KICK THE HABIT
ANNEX

COMPLETE CREDITS

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The **Environment Management Group (EMG)** is a grouping of all UN agencies and Secretariats of Multilateral Environmental Agreements (MEAs) as well as the Bretton Woods Institutions and the World Trade Organization working together to share information about their respective plans and activities in the fields of environment and human settlements. It was established in 2001 to enhance UN system-wide inter-agency coordination related to specific issues in the field of environment and human settlements. The United Nations Environment Programme (UNEP) hosts the EMG Secretariat located in Geneva, Switzerland. www.unemg.org.

UNEP/GRID-Arendal is an official UNEP centre located in Southern Norway. GRID-Arendal's mission is to provide environmental information, communications and capacity building services for information management and assessment. The centre's core focus is to facilitate the free access and exchange of information to support decision making to secure a sustainable future. www.grida.no.

The **United Nations Environment Programme (UNEP)** is the world's leading intergovernmental environmental organisation. The mission of UNEP is to provide leadership and encourage partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations. www.unep.org.

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GLOSSARY

Adaptation

The adoption of policies and practices aimed at preparing for the effects of climate change, accepting that complete avoidance is now impossible because of the inertia of the atmospheric and oceanic systems.

Anthropogenic

Of human origin: used to describe greenhouse gases emitted by human activities.

Carbon dioxide

The main greenhouse gas caused by human activities; it also originates from natural sources, like volcanic activity.

Carbon sequestration and storage

An experimental technology designed to remove carbon dioxide from emissions such as power stations: the gas is then liquified and pumped into rock formations underground or beneath the sea bed. Proponents believe it has great potential for tackling climate change but CCS is not yet available at a commercial stage.

Carbon sink

A natural feature – a forest, for example, or a peat bog – which absorbs CO₂.

CO₂ equivalence

A way of expressing the combined efficiency of all greenhouse gases: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and the rarer trace greenhouse gases such as chlorofluorocarbons. Their potency varies according to their chemical make-up and the length of time they persist in the atmosphere.

Eco-driving

Eco-driving is a way of driving that reduces fuel consumption, greenhouse gas emissions and accident rates.

ISO 14 000

A series of global green standards designed to encourage progress towards sustainable development: developed by the International Organisation for Standardisation. See www.iso.org/iso/home.htm.

Kyoto Protocol

A protocol to the UN Framework Climate Change Convention (see below). The Protocol requires developed countries to reduce their GHG emissions below levels specified for each of them in the Treaty. These targets must be met within a five-year time frame between 2008 and 2012, and add up to a total cut in GHG emissions of at least 5% against the baseline of 1990.

Mitigation

Policies and measures designed to reduce emissions of greenhouse gases so as to mitigate reduce the effects of climate change.

ppm

Stands for 'parts per million' and is the usual measuring unit applied to greenhouse gases because of their relatively small quantities in the atmosphere. 0,0001 per cent is 1 ppm.

Stern Report

The Stern Review on the Economics of Climate Change is a 700-page report written in 2006 by the British economist Sir Nicholas Stern for the UK Government, which discusses the effect of climate change and global warming on the world economy.

UNFCCC

The United Nations Framework Convention on Climate Change (UNFCCC) is the first international climate treaty. It came into force in 1994 and has since been ratified by 189 countries including the United States. More recently, a number of nations have approved an addition to the treaty: the Kyoto Protocol, which has more powerful (and legally binding) measures.

ACRONYMS

ASPO

Association for the Study of Peak Oil and Gas
www.peakoil.net

CAMSAT

Carbon Management Self-Assessment Tool
www.brdt.org/fx.brdt/scheme/camsat.aspx

CCP

Cities for Climate Protection
www.iclei.org/index.php?id=800

CCS

Carbon Sequestration Capture and Storage
http://en.wikipedia.org/wiki/Carbon_capture_and_storage

CDM

Clean Development Mechanism
http://unfccc.int/kyoto_protocol/mechanisms/clean_development_mechanism/items/2718.php

CN Net

UNEP Climate Neutral Network
www.climateneutral.unep.org/cnn_frontpage.aspx?m=49

C40

C40 Cities Climate Leadership Group
www.c40cities.org

EMAS

Eco-management and audit scheme
http://ec.europa.eu/environment/emas/index_en.htm

GHGs

Greenhouse gases

ICLEI

Local Governments for Sustainability
www.iclei.org

IEA

International Energy Agency
www.iea.org

IPCC

Intergovernmental Panel on Climate Change
www.ipcc.ch

LULUCF

Land Use, Land Use Change and Forestry
http://unfccc.int/methods_and_science/lulucf/items/1084.php

OECD

Organisation for Economic Co-operation and Development
www.oecd.org/home

OSCE

Organisation for Security and Co-operation in Europe
www.osce.org

SMEs

Small and medium enterprises

UNDP

United Nations Development Programme
www.undp.org

UNEP

United Nations Environment Programme
www.unep.org

UNFCCC

United Nations Framework Convention on Climate Change
<http://unfccc.int/2860.php>

REFERENCES

Auffhammer, Maximilian and Richard T. Carson; Forecasting the Path of China's CO₂ Emissions Using Province Level Information, Journal of Environmental Economics and Management, 2008

http://berkeley.edu/news/media/releases/2008/03/10_chinaco2.shtml

Boyle, Godfrey; Renewable energy – power for a sustainable future (second edition), Oxford University Press, 2004

Brain, Marshall; How Electric Cars Work, 2006

<http://auto.howstuffworks.com/electric-car.htm>

Brower, Michael and Warren Leon; The Consumer's Guide to effective Environmental Choices, Three Rivers Press, 1999

Godall, Chris; How to live a low-carbon life- the individual's guide to stopping climate change, Earthscan, 2007

EasyJet, Carbon Offsetting, 2006

www.easyjet.com/en/Environment/carbon_offsetting.html

Employee Transportation Coordinator Handbook, 1999

www.resourcesaver.org/file/toolmanager/O16F7812.pdf

European Commission; Green Paper – Adapting to climate change in Europe – options for EU action, 2007

http://eur-lex.europa.eu/LexUriServ/site/en/com/2007/com2007_0354en01.pdf

European Environment Agency – Indicator Management Service; Atmospheric greenhouse gas concentrations (CSI 013), 2008

<http://ims.eionet.europa.eu>

Food and Agriculture Organisation; Livestock a major threat to environment, 2006

www.fao.org/newsroom/en/news/2006/1000448

Intergovernmental Panel on Climate Change (IPCC); IPCC Fourth Assessment Report (AR4), 2007

www.ipcc.ch

International Energy Agency (IEA); Renewables in global energy supply – fact sheet, 2007

www.iea.org/textbase/papers/2006/renewable_factsheet.pdf

International Energy Agency (IEA); Standby Power Use and the IEA “1-Watt Plan” – Fact Sheet, 2005

www.iea.org/textbase/papers/2005/standby_fact.pdf

King, David and Gabrielle Walker; The Hot Topic: How to Tackle Global Warming and Still Keep the Lights on, Bloomsbury Publishing Plc, 2008

Kollmuss, Anja and Benjamin Bowell; Voluntary Offsets for Air-Travel Carbon Emissions. Evaluations and Recommendations of Voluntary Offset Companies, Tufts Climate Initiative, 2006

www.tufts.edu/tie/tci/pdf/TCL_Carbon_Offsets_Paper_Jan31.pdf

Mallon, Karl; Renewable energy policy and politics – a handbook for decision-making, Earthscan, 2006

New York Times; Cement Industry Is at Center of Climate Change Debate, October 26, 2007

www.nytimes.com/2007/10/26/business/worldbusiness/26cement.html

Pew Center on Global Climate Change; Coal and Climate Change Facts, 2007

www.pewclimate.org/global-warming-basics/coalfacts.cfm

Steffen, Alex; Worldchanging: A Users Guide for the 21st Century, 2006

www.worldchanging.com

Stern, Nicolas; STERN REVIEW: The Economics of Climate Change, 2006

www.hm-treasury.gov.uk/media/3/2/Summary_of_Conclusions.pdf

Sustainable Development International and United Nations Environment Programme (UNEP); Climate Action, 2008

Times Online; Haile Gebrselassie pulls out of Beijing marathon because of pollution, March 10, 2008

www.timesonline.co.uk/tol/sport/more_sport/athletics/article3521537.ece

The Climate Group; Carbon down profit up (third edition), 2007

www.theclimategroup.org/assets/resources/cdpu_newedition.pdf

UN Energy; Sustainable Bioenergy: A Framework for Decision Makers, 2007

<ftp://ftp.fao.org/docrep/fao/010/a1094e/a1094e00.pdf>

United Nations Environment Programme (UNEP); Global Environment Outlook - The fourth Global Environment Outlook: environment for development (GEO-4), 2007
www.unep.org/geo/geo4/media

United Nations Development Programme (UNDP); Human Development Report 2007/2008 – Fighting Climate Change: Human Solidarity in a Divided World, 2008
<http://hdr.undp.org/en>

United Nations Environment Programme (UNEP); Twelve Steps to Help You Kick the CO₂ Habit, 2008
www.unep.org/wed/2008/english/Information_Material/factsheet.asp

UNEP DTIE Energy Branch; The GHG Indicator: UNEP Guidelines for Calculating Greenhouse Gas Emissions for Businesses and Non-Commercial Organisations, 2000
www.unep.org/energy/tools/ghgin/docs/GHG_Indicator.doc

UNEP DTIE; Why Take A Life Cycle Approach?, 2004
www.unep.org/pc/sustain/reports/lcini/UNEPBooklet.ENGprint.pdf

World Bank; Rising Food Prices Threaten Poverty Reduction, April 9, 2008
<http://web.worldbank.org/WBSITE/EXTERNAL/NEWS/0,,contentMDK:21722688~pagePK:64257043~piPK:437376~theSitePK:4607,00.html>

World Business Council for Sustainable Development; Energy Efficiency in Buildings, 2007
www.wbcsd.org/DocRoot/kPUZwapTJKNBF9UJaG7D/EEB_Facts_Trends.pdf

World Resources Institute (WRI) and World Business Council for Sustainable Development; Measuring to Manage: A Guide to Designing GHG Accounting and Reporting Programs, 2007
<http://pdf.wri.org/measuring-to-manage.pdf>

World Resources Institute (WRI); Navigating the Numbers: Greenhouse Gas Data and International Climate Policy, 2005
www.wri.org/publication/navigating-the-numbers#

“ Addiction is a terrible thing. It consumes and controls us, makes us deny important truths and blinds us to the consequences of our actions. Our society is in the grip of a dangerous greenhouse gas habit.

The message of this book is that we are all part of the solution. Whether you are an individual, a business, an organization or a government, there are many steps you can take to reduce your climate footprint. ”

Ban Ki-moon

Secretary-General of the United Nations

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