

# Climate change risk report

## Country-by-country risk analysis and mapping

2008/2009

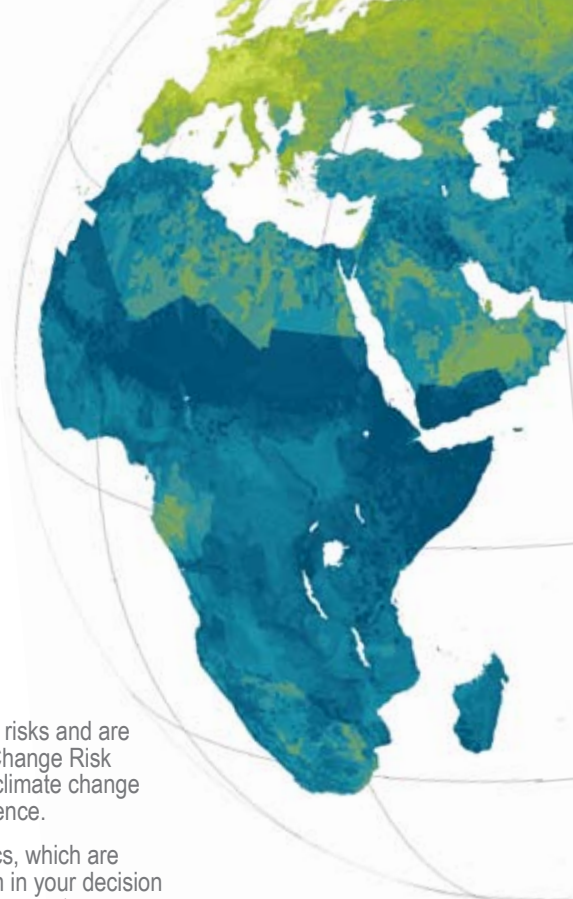


- 🌿 Ideal tool to help businesses, investors and international organisations to assess, quantify and compare climate change risks and develop strategies to mitigate them
- 🌿 Detailed, succinct and easy-to-use assessment of risks relating to emissions from energy and land use, unsustainable energy use, climate change regulation
- 🌿 Climate change vulnerability for 168 countries
- 🌿 Unique sub-national mapping of climate change vulnerability allows easy risk assessment for specific locations and regions
- 🌿 Full report (168 country scorecards and additional analysis) and individual country scorecards available
- 🌿 See a free sample country [scorecard](#) and [scorecard guide](#)

### A new approach to measuring climate change risks

Businesses, investors and international organisations are increasingly aware of climate change risks and are seeking ever more sophisticated ways to understand and quantify them. Maplecroft's Climate Change Risk Report 2008/9 provides decision makers with the quantitative information they need to assess climate change risks and take action to mitigate them in their own organisations and within their sphere of influence.

It contains 168 individual country scorecards with risk indices, risk indicators, maps and graphics, which are comparable between countries. These allow you to quantitatively assess risks and include them in your decision making processes and tools. Unique sub-national mapping of climate change vulnerability allows you to measure vulnerability for specific locations and regions.



### Scorecard Climate change

#### Argentina South America

Summary - Argentina	Score	Category	Rank
CO <sub>2</sub> Energy Emissions Index	3.59	High	59/168
CO <sub>2</sub> Land Use Emissions Index	3.41	High	23/163
Unsustainable Energy Index	5.35	Medium	102/134
Climate Change Vulnerability Index	6.61	Medium	132/168

0 = highest risk, 10 = lowest risk

#### Climate change vulnerability

Country	Lowest risk	Highest risk
Climate Change Vulnerability Index*	6.61	6.28
Economy	5.50	6.09
Natural resources and ecosystems	7.74	6.76
Poverty, development and health	6.23	6.67
Agriculture	5.64	5.06
Population, settlement and infrastructure	5.73	6.18
Institutions, governance and social capital	5.32	-

\* For values of specific locations or regions: [climate@maplecroft.com](#)

#### CO<sub>2</sub> from energy use

Country	Regional average
CO <sub>2</sub> Energy Emissions Index	3.59
Total CO <sub>2</sub> emissions (MTCO <sub>2</sub> e) 2005*	146.6
CO <sub>2</sub> emissions per capita (MTCO <sub>2</sub> e) 2005*	3.71
Cumulative CO <sub>2</sub> emissions (MTCO <sub>2</sub> e) 1995-2005*	4.616
Average annual change in CO <sub>2</sub> emissions (%) 1990-2005	-3.1
Carbon intensity of growth (MTCO <sub>2</sub> e per 1000 GDP) 2005	0.47
Carbon intensity of industry (MTCO <sub>2</sub> e per 1000 industrial GDP) 2005	0.31

#### CO<sub>2</sub> from land use change

Country	Regional average
CO <sub>2</sub> Land Use Emissions Index	3.41
Total CO <sub>2</sub> emissions from forest biomass (MTCO <sub>2</sub> e) yr 1990-2005*	121.6
CO <sub>2</sub> emissions from forest biomass per capita (MTCO <sub>2</sub> e) yr 1990-2005*	3.18
Cumulative CO <sub>2</sub> emissions from land use change (MTCO <sub>2</sub> e) 1990-2005*	2.441
Total change in forest area (km <sup>2</sup> ) 1990-2005	-22.4
Average annual change in forest area (%) 1990-2005	-0.4
Carbon stocks in forest biomass (Mt Carbon) 2005	2.411

#### Unsustainable energy

Country	Regional average
Unsustainable Energy Index	5.35
GDP per unit of energy use (2000 PPP\$ per kgpet 2000)*	7.73
CO <sub>2</sub> per unit of energy use (MTCO <sub>2</sub> e per toe) 2005*	2.30
Share of energy supply: hydro, solar, wind and geothermal (%) 2005*	4.6
Total primary energy supply (Mtoe) 2005	63.7
Total energy consumption per capita (kgpet) 2005	1.666
Average annual change in total primary energy supply (%) 1990-2005	+2.5

#### Climate change regulation

UNFCCC year of ratification	1994
UNFCCC Annex	Non-Annex I
Kyoto Protocol year of ratification	2001
Kyoto Protocol target (%)	n/a
Number of CDM projects	11
EU ETS cap 2008-2012 (MTCO <sub>2</sub> e)	n/a
EU ETS cap change over 2005-7 (%)	n/a

#### Climate Change Vulnerability Index values\* in Argentina

\* For values of specific locations or regions: [climate@maplecroft.com](#)

#### Climate Change Vulnerability Index values\* in Egypt

\* For values of specific locations or regions: [climate@maplecroft.com](#)

#### Related Maplecroft indices

Food security risk	High
Water security risk	Medium
Hydro-meteorological disaster risk	Medium

\* For values of indices or more information: [climate@maplecroft.com](#)

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## How to buy the report and individual scorecards

For more information and to place your order contact: [climate@maplecroft.com](mailto:climate@maplecroft.com)

risk responsibility reputation