

## Bali Climate Declaration – December 2007

### 2007 Bali Climate Declaration by Scientists

This consensus document was prepared under the auspices of the Climate Change Research Centre at the University of New South Wales in Sydney, Australia.

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The 2007 IPCC report, compiled by several hundred climate scientists, has unequivocally concluded that our climate is warming rapidly, and that we are now at least 90% certain that this is mostly due to human activities. The amount of carbon dioxide in our atmosphere now far exceeds the natural range of the past 650,000 years, and it is rising very quickly due to human activity. If this trend is not halted soon, many millions of people will be at risk from extreme events such as heat waves, drought, floods and storms, our coasts and cities will be threatened by rising sea levels, and many ecosystems, plants and animal species will be in serious danger of extinction.

The next round of focused negotiations for a new global climate treaty (within the 1992 UNFCCC process) needs to begin in December 2007 and be completed by 2009. The prime goal of this new regime must be to limit global warming to no more than 2 °C above the pre-industrial temperature, a limit that has already been formally adopted by the European Union and a number of other countries.

Based on current scientific understanding, this requires that global greenhouse gas emissions need to be reduced by at least 50% below their 1990 levels by the year 2050. In the long run, greenhouse gas concentrations need to be stabilised at a level well below 450 ppm (parts per million; measured in CO<sub>2</sub>-equivalent concentration). In order to stay below 2 °C, global emissions must peak and decline in the next 10 to 15 years, so there is no time to lose.

As scientists, we urge the negotiators to reach an agreement that takes these targets as a minimum requirement for a fair and effective global climate agreement.

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The 2007 Bali Climate Declaration has been signed by the following scientists:

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Richard Anthes	Dr	USA
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Becky Alexander	Assistant Professor	USA
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Leif Anderson	Professor	Sweden
Jean-Claude Andre	Dr	France
Natalie Andronova	Research Scientist	USA
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Vincenzo Artale	Senior Research Scientist	Italy
Paulo Artaxo	Professor	Brazil
Karen Assmann	Dr	Norway
Dorothee Bakker	Dr	United Kingdom
Edouard Bard	Professor College de France	France

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Terje Berntsen	Senior Scientist	Norway
Nathan Bindoff	Professor Physical Oceanography	Australia
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Laurent Bopp	Dr	France
Alberto Borges	Dr	Belgium
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Pascale Braconnot	Dr	France
Raymond S. Bradley	Professor. Director. Climate System Research Center	USA
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Nicolas Gruber	Professor	Switzerland
Hoshin Gupta	Professor	USA
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