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## **Scientists' statement on 40% emissions reduction target for developed countries**

### **Copenhagen climate targets must be more ambitious**

At the UN Climate Conference in Copenhagen this December, world leaders have the opportunity to agree a historic global climate deal. To avoid dangerous climate change, the deal must be based on the most up-to-date scientific understanding of the emissions reductions required, with obligations divided equitably between developed and developing countries. **This means that developed countries must reduce greenhouse gas emissions by at least 40% below 1990 levels by 2020.**

Copenhagen represents our best chance to avert the worst impacts of climate change on people, species and ecosystems. More than 120 countries, including the members of the G8, the EU, and key emerging economies such as China, South Africa and Mexico, agree that the rise in global temperature must stay well below 2°C. Beyond this point climate impacts will be more severe, with the risk of crossing 'tipping points' with dangerous and irreversible effects.

To stand a good chance of achieving this goal, the last Intergovernmental Panel on Climate Change report (2007) recommended that developed countries should reduce emissions by 25-40% on 1990 levels by 2020. Yet more recent evidence shows that only reductions at the top end of this range will be sufficient to avoid the worst impacts of climate change.

Developed countries have so far committed to reduce greenhouse gas emissions by only 10-16% by 2020, a level dangerously inconsistent with their commitment to the 2°C target. The latest scientific evidence clearly shows that these countries must increase their ambition and reduce emissions by 40% by 2020 to maintain a credible ambition of avoiding dangerous climate change.

Signed in our personal capacity:

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