

# **ASILOMAR INTERNATIONAL CONFERENCE ON CLIMATE INTERVENTION TECHNOLOGIES**

March 26, 2010

## **Statement from the Conference's Scientific Organizing Committee**

More than 175 experts from 15 countries with a wide diversity of backgrounds (natural science, engineering, social science, humanities, law) met for five days (March 22-26, 2010) at the Asilomar conference center in Pacific Grove, CA. The participants explored a range of issues that need to be addressed to ensure that research into the risks, impacts and efficacy of climate intervention methods is responsibly and transparently conducted and that potential consequences are thoroughly understood. The group recognized that given our limited understanding of these methods and the potential for significant impacts on people and ecosystems, further discussions must involve government and civil society. Such discussions should be undertaken with humility and recognition of the threats posed by the rapid increase in atmospheric greenhouse gas concentrations.

Participants reaffirmed that the risks posed by climate change require a strong commitment to mitigation of greenhouse gas emissions, adaptation to unavoidable climate change, and development of low-carbon energy sources independent of whether climate intervention methods ultimately prove to be safe and feasible.

The fact that humanity's efforts to reduce global emissions of greenhouse gases (mitigation) have been limited to date is a cause of deep concern. Additionally, uncertainties in the response of the climate system to increased greenhouse gases leave open the possibility of very large future changes. It is thus important to initiate further research in all relevant disciplines to better understand and communicate whether additional strategies to moderate future climate change are, or are not, viable, appropriate and ethical. Such strategies, which could be employed in addition to the primary strategy of mitigation, include climate intervention methods (solar radiation management) and climate remediation methods (carbon dioxide removal).

We do not yet have sufficient knowledge of the risks associated with using methods for climate intervention and remediation, their intended and unintended impacts, and their efficacy in reducing the rate of climatic change to assess whether they should or should not be implemented. Thus, further research is essential.

Recognizing that governments collectively have ultimate responsibility for decisions concerning climate intervention and remediation research and possible implementation, this conference represented a step in facilitating a process involving broader public participation. This process should ensure that research on this issue progresses in a timely, safe, ethical and transparent manner, addressing social, humanitarian and environmental issues.

**Asilomar International Conference on**

## **Climate Intervention Technologies**

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on Global Climate Change, US

Dr. Richard Somerville, Distinguished Professor Emeritus and Research Professor at Scripps  
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Dr. Thomas Wigley, Professor, University of Adelaide, Australia

*The Asilomar International Conference on Climate Intervention Technologies was developed by the Climate Response Fund in partnership with Guttman Initiatives and organized by the Scientific Organizing Committee for the Climate Institute. For further information contact the Climate Institute at [asilomar@climate.org](mailto:asilomar@climate.org) or visit the Climate Response Fund website at [www.climateresponsefund.org](http://www.climateresponsefund.org)*

## **Supporters of the Conference Statement**

*The following Asilomar Conference participants have declared their individual support for the above Statement of the Scientific Organizing Committee. Affiliations listed in this section are provided for identification purposes only and do not indicate the organization's stance on this statement.*

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