

















Concerned Scientists There is ample cause	e for concern	
Vulnerability	Moderate to High Risk	
Extensive coral bleaching	~1°C	
Destabilization of the Greenland ice sheet	2-3°C	
Destabilization of the West Antarctic ice sheets	2-4°C	
Reversal of the land carbon sink	2-4°C	
Shutdown of the thermohaline circulation	>3°C	









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	EMISSION REDUCTIONS BELOW 2000 FOR INDUSTRIALIZED COUNTRIES BY 2050	WHEN DEVELOPING NATIONS WOULD NEED TO BEGIN REDUCTIONS	
		TO ACHIEVE 550 PPM	TO ACHIEVE 450 PPM
	60%	2030	2010
	80%	2040	2020







- **Kyoto Track** with legally binding emission reductions in subsequent commitment periods
- Greening (decarbonisation) Track for developing countries not in the Kyoto Track (KP: Article 9, Article 10, flexible mechanisms; FCCC: Article 4.1)
- Adaptation Track for the most vulnerable regions (UNFCCC: 5-year Plan of Action; KP: Adaptation Fund/CER levy)



Article 3.9, Kyoto Protocol

- Commitments for subsequent periods for Parties included in Annex 1 shall be established in amendments to Annex B to this Protocol, which shall be adopted in accordance with the provisions of Art.21, para 7.
- The Conference of the Parties serving as the meeting of the Parties to the Protocol shall initiate the consideration of such commitments at least seven years before the end of the first commitment period (2008-2012)

Article 9, Kyoto Protocol

The Conference of the Parties serving as the meeting of the Parties to this Protocol shall periodically review this Protocol in light of the best available scientific information and assessments on climate change and its impacts, as well as relevant technical, social and economic information.

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The First review shall take place at the second session of the Conference of the Parties serving as the meeting of the Parties (COP//MOP2)

Article 10, Kyoto Protocol

ALL Parties, taking into account their common but differentiated responsibilities, must:

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- Submit national inventories
- Implement programs to mitigate climate change (including energy, transport, industry, agriculture, forestry and waste management) and measures to facilitate adaptation
- Prepare national communications

Parallels Article 4.1 of the UNFCCC

















A Key Role for Japan

- As host of Kyoto climate conference, the world looks to Japan to play a constructive role in the negotiations on strengthening the Kyoto Protocol
- With the US on the sidelines (for now), EU and Japan must provide leadership in deepening and broadening Kyoto post-2012
- Japan can help engage major developing countries such as China, India, Brazil, Indonesia, and South Africa as partners
- Japan chairs the G-8 in 2008, just as post-2012 negotiations are moving to a conclusion















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Bush Administration Approach is Grossly Inadequate to the Problem

- International Technology Partnerships, Dialogues and Forums are Useful, but not an alternative to binding targets and robust global carbon markets
- May leverage tens or hundreds of millions of dollars in clean technology investments, but hundreds of billions are needed
- > At home, Bush is proposing specific technology initiatives, but not the major overall increases that are needed in US energy R&D budgets





