

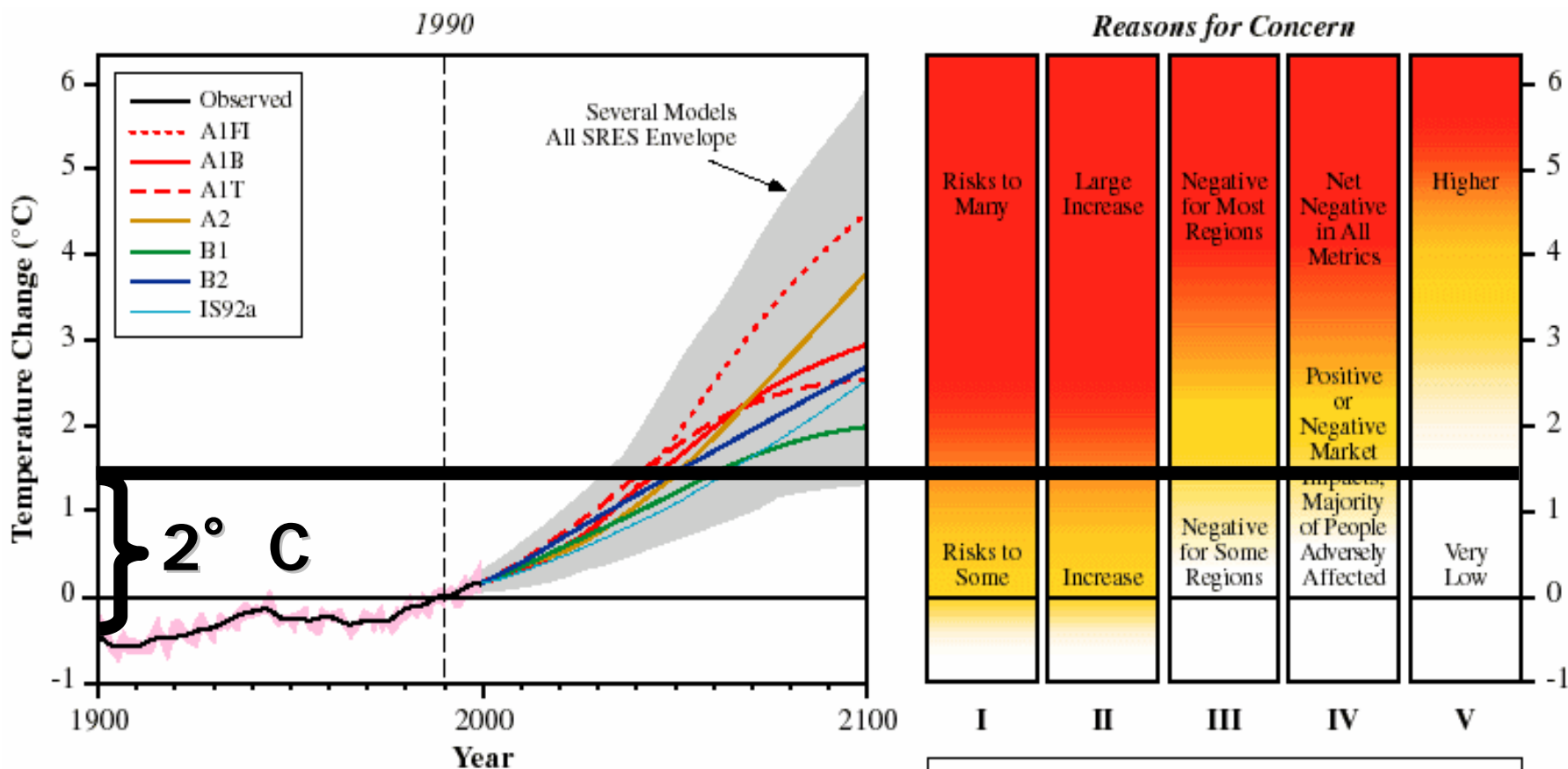
COP11 and COP/MOP1 side event  
Global Challenges Toward Low-Carbon Economy  
-Focus on Country-Specific Scenario Analysis-  
December 3, 2005 Montreal

# **Global Challenges Toward Low-Carbon Economy (LCE) -Focus on Country Specific Scenario Analysis-**

**Organized by** 

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# To avoid serious CC impacts, it is necessary to stabilize temperature raise below 2 degree compared with pre-industrialized level



IPCC TAR, 2001

- I Risks to Unique and Threatened Systems
- II Risks from Extreme Climate Events
- III Distribution of Impacts
- IV Aggregate Impacts
- V Risks from Future Large-Scale Discontinuities

**European Parliament** resolution on "Winning the Battle Against Global Climate Change" (2005/2049(INI)), 16 November 2005 - Strasbourg

3. Calls on the EU to present, at the COP-11 and COP/MOP1, proposals for a future climate regime, based on the overall objective to limit the average global temperature increase to 2° C above pre-industrialisation levels;
5. Welcomes the conclusions by the Brussels European Council of 23 March 2005, in particular that emission reductions for developed countries for 2020 in the order of 15-30% should be striven for; insists, however, that emission reduction targets for the long-term are also needed and suggests a target of 60-80% for 2050;

# Climate Regime Beyond 2012:

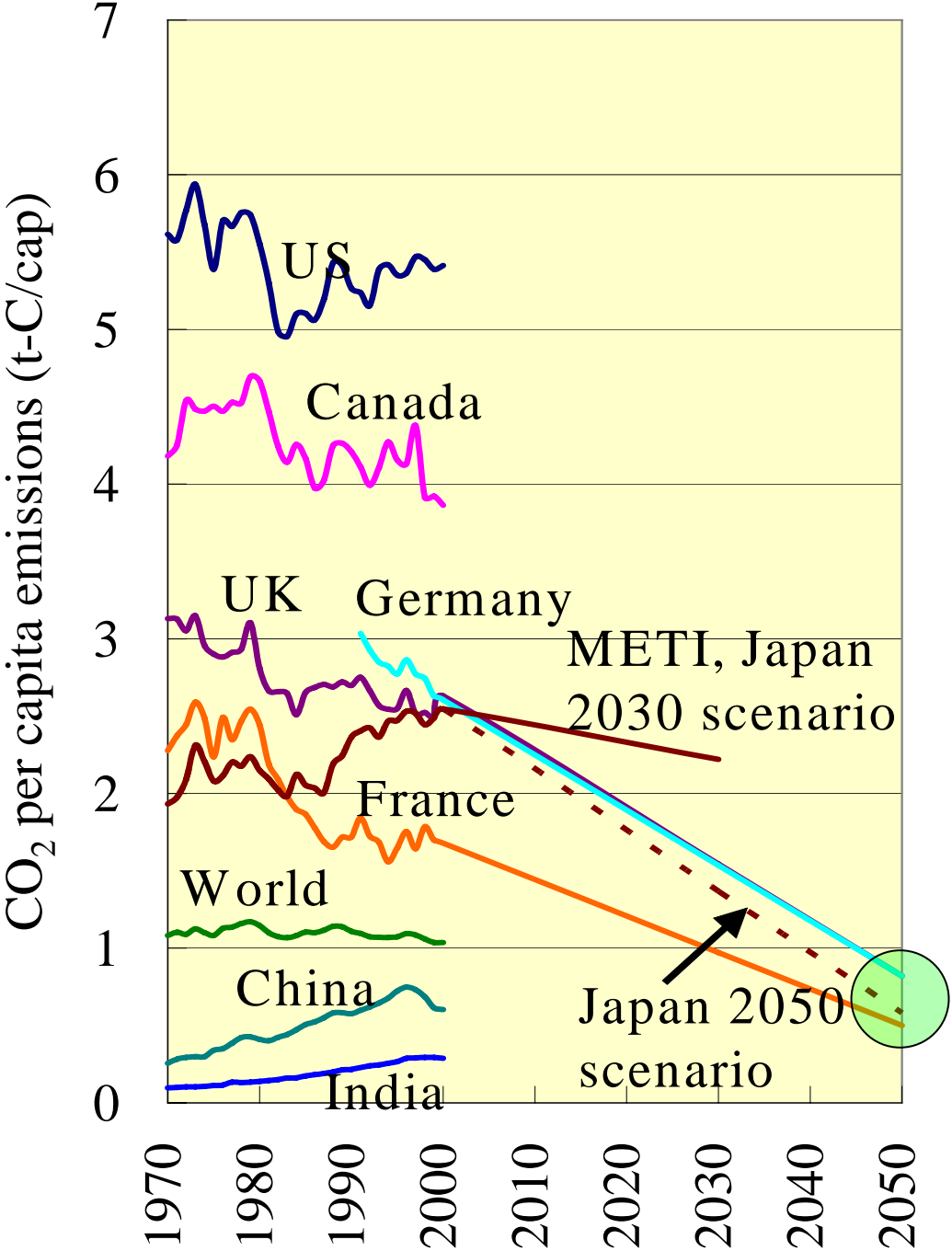
## Key Perspectives (Long-Term Targets)

2nd Interim Report by Sub-Committee for International Climate Change Strategy, Global Environment Committee, Central

Environment Council, Ministry of the Environment, **Japan**, May 2005

- It is important to steadily collect, consider and examine the information on long-term objectives of limiting the temperature rise to 2°C
- For examples, trial calculations using the Asian Pacific Integrated Model (AIM) indicate that, in comparison to the 1990 figures, all GHG emissions worldwide will have to be reduced about 10% by the year 2020, about 50% by 2050, and about 75% by 2100

# Current per capita CO<sub>2</sub> emissions and Target



**Target for Low Carbon Economy**

# Objectives of this side-event

1. Understanding the necessity of drastic GHG emissions reduction toward 2050 based on scientific findings
2. Reviewing country-level GHG emissions scenario studies in the world
3. Sharing the image of low carbon economy (LCE)
4. Finding the pathways to achieve country-level and globally harmonized LCE
5. Building international cooperation toward LCE