

## Japan - UK Joint Research Project Developing visions for a Low Carbon Society (LCS) through sustainable development

The Ministry of the Environment of Japan (MoEJ) and the Department for Environment, Food and Rural Affairs in the UK (Defra) are jointly promoting a scientific research project toward achieving a Low Carbon Society (LCS) by 2050. The National Institute for Environmental Studies (NIES), the UK Energy Research Centre (UKERC) and the Tyndall Centre for Climate Change Research are conducting research activities in line with this goal. We held the 1st LCS workshop in June 2006 (Tokyo) and the 2nd LCS workshop in June 2007 (London). The 3rd LCS workshop will be held from February 13 to 15, 2008 (Tokyo) and it will summarize research outputs for G8 Japan.

### Japan-UK Joint Research Project LCS through Sustainable Development for Global Participation

**The First workshop was held  
in Tokyo, June 14-16, 2006.**

Participants from 19 countries:  
Asia: Japan, China, India, Thailand,  
Taiwan (China)  
Africa: South Africa, Nigeria  
Europe: UK, France, Germany,  
Denmark, Spain, Netherlands, Russia  
Latin America: Brazil, Mexico, Chile  
North America: US, Canada



**The Second workshop was held  
in London, June 13-15, 2007.**

**The Third workshop will be held  
in Japan, Feb 13-15, 2008.**

**Developing and diffusing innovations  
for our good life and LCS through SD**

**G8 Gleneagles 2005**

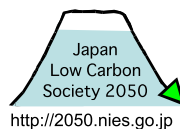
**G20 March 13-15, Chiba  
G8 Env. May 25-27, Kobe  
G8 Japan  
July 2008**



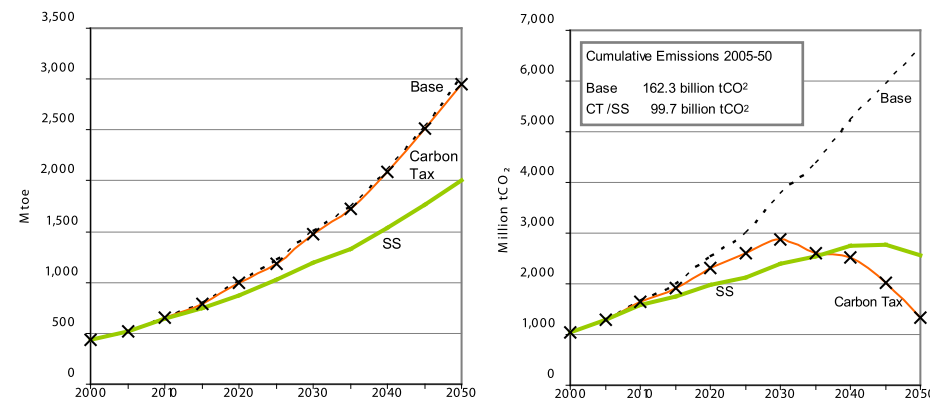
<http://2050.nies.go.jp>

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## Energy & CO<sub>2</sub> Emission Trajectories across LCS scenarios in India



P.R.Shukla, "Approach and Analysis of Low Carbon Society Scenarios for India"

AIM Training Workshop 2007 Organized by NIES, October 2007, Tsukuba, Japan



### Japan GHG 70% reduction in 2050

#### Scenario A: Vivid Techno-driven Society

Demand side energy -40% + Low carbonization of primary energy + CCS  
with moderate cost of technological options as 1% of GDP in the year of 2050

