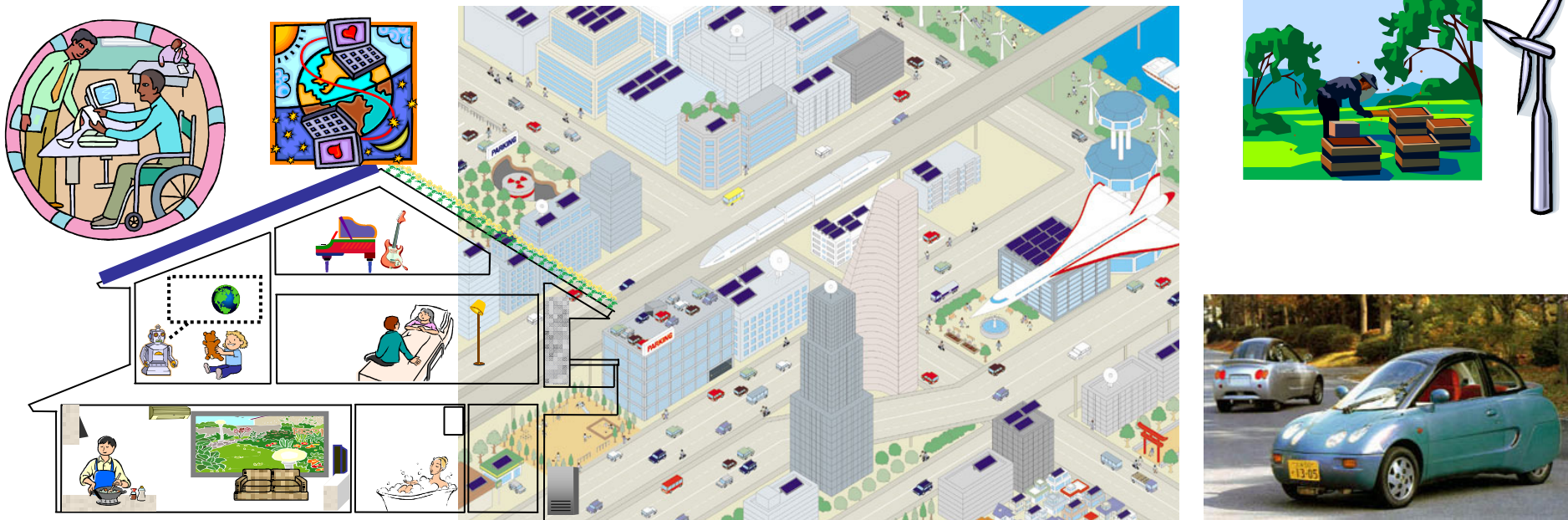
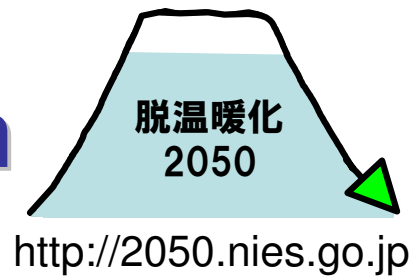


# Developing Visions for a Low-Carbon Society (LCS) Through Sustainable Development



Junichi Fujino on behalf of the Steering Committee

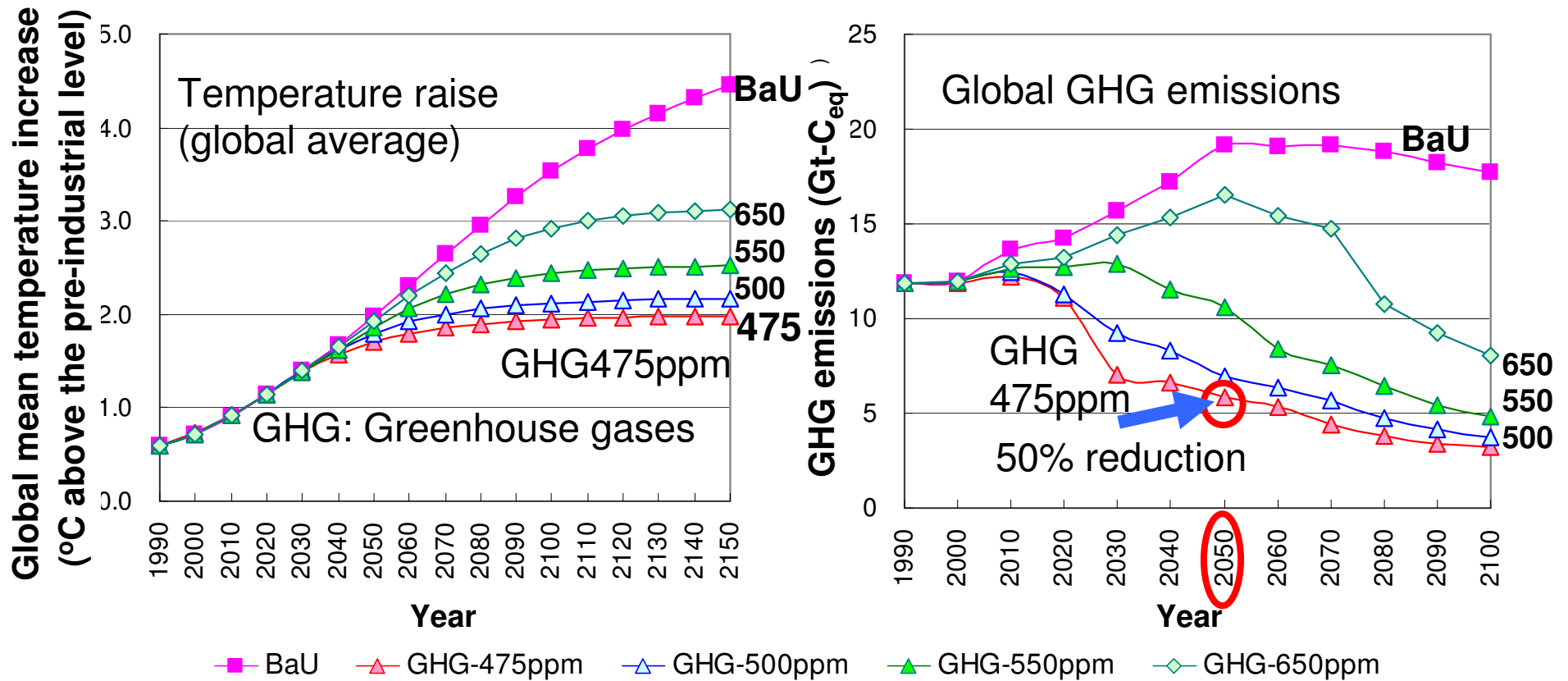
NIES (National Institute for Environmental Studies)

The first workshop on “Developing Visions for a Low-Carbon Society through Sustainable Development”, June 14-16, 2006, Tokyo, Japan



# Key message 1:

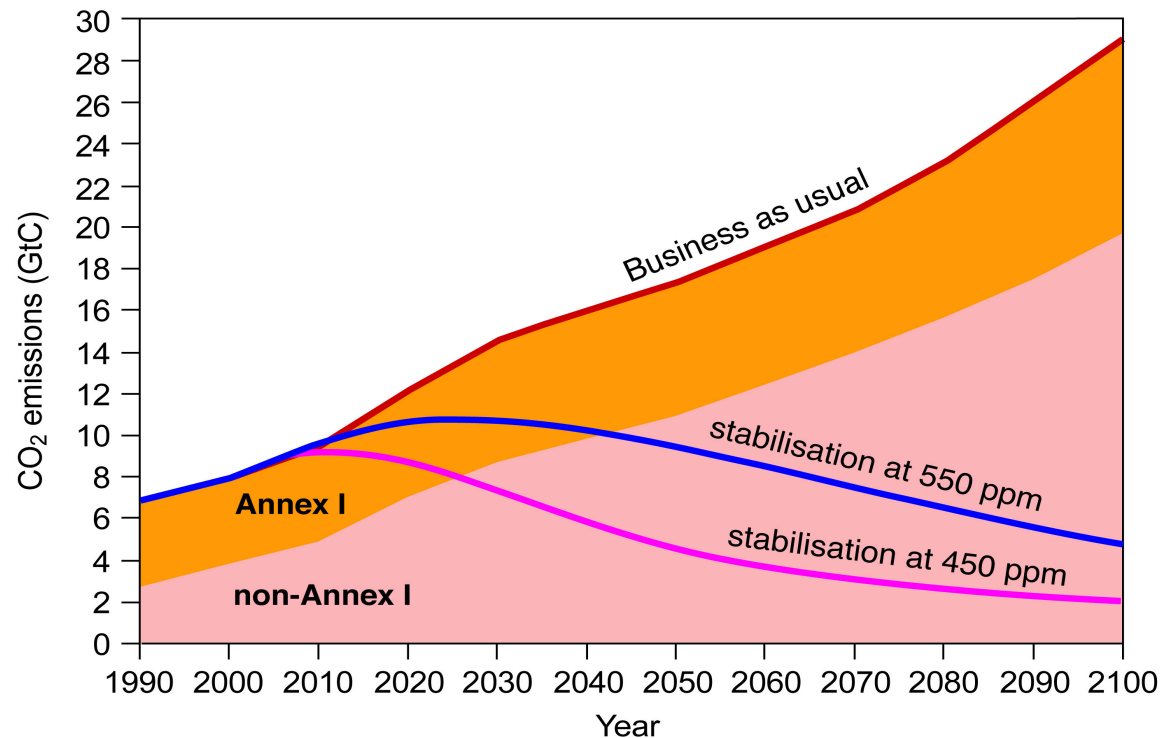
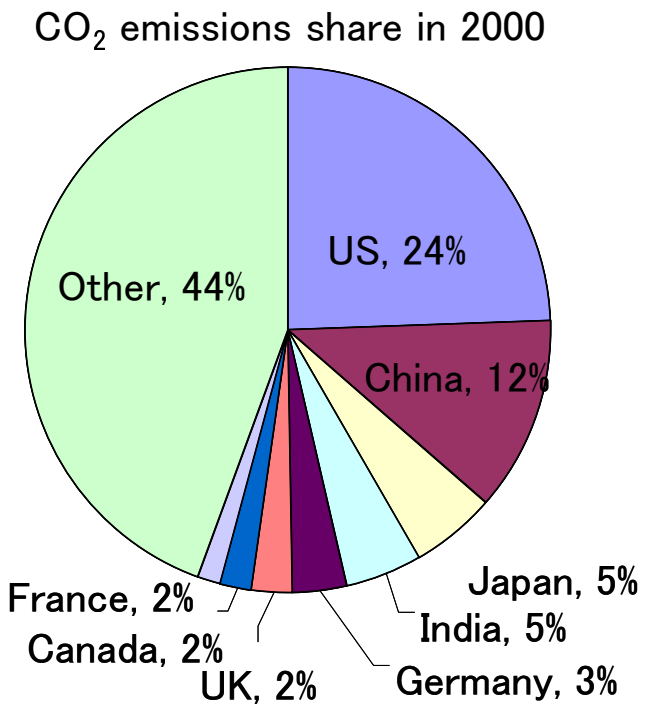
**“Low-carbon societies are necessary to avoid dangerous climate change.”**



**Relationship between human-induced GHG emissions, atmospheric GHG concentration, and increase in global mean temperature. (Calculated by AIM/Impact[policy] Model)**

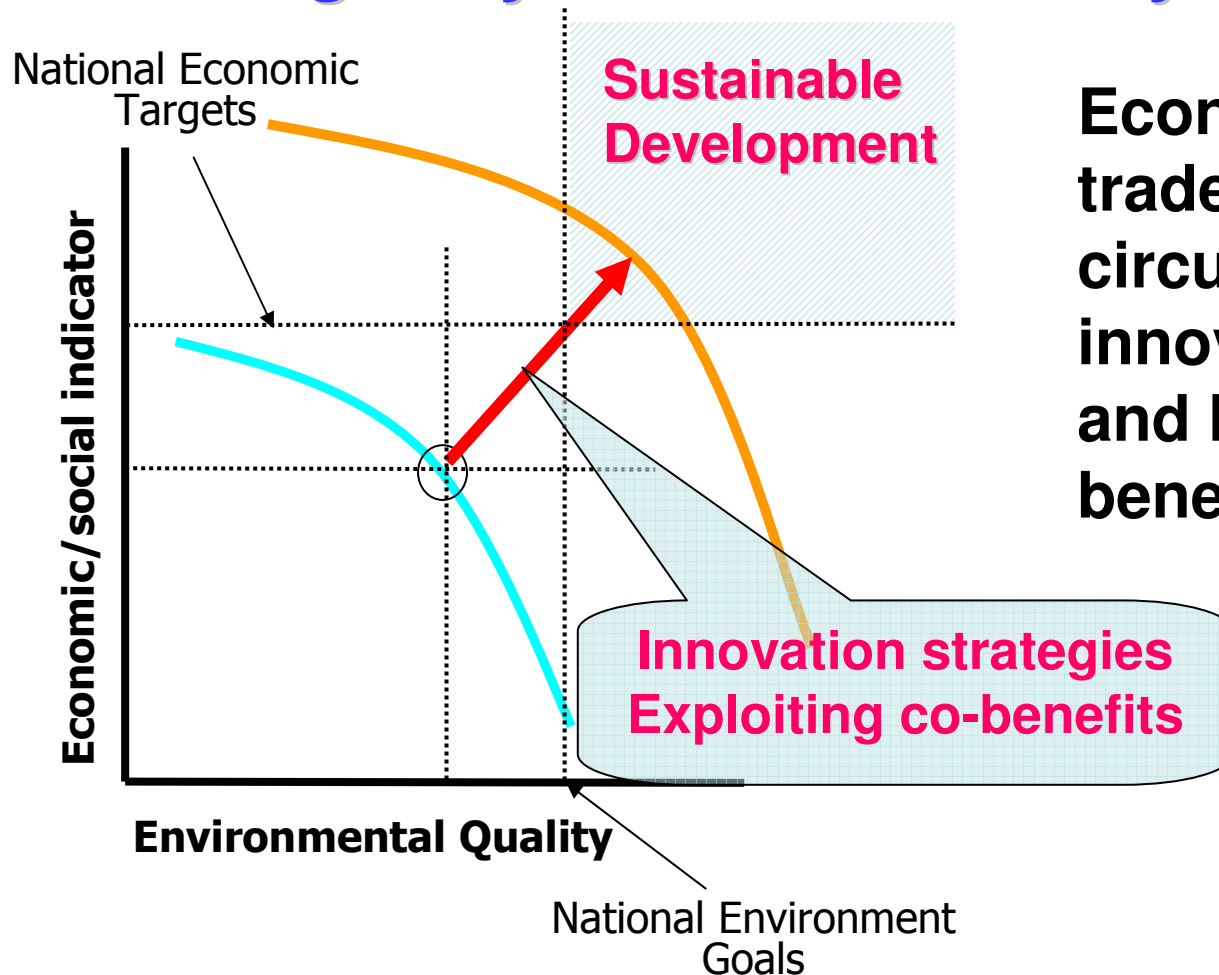
## Key message 2:

“A portfolio of options and international cooperation are necessary to realize global LCS.”



### Key message 3:

“Aligning sustainable development & climate change actions can reduce the burden and facilitate the transition to stabilization. LCS is technologically and economically feasible.”



**Economy-environment trade-off can be circumvented with innovative strategies and by exploiting co-benefits**

# Workshop Schedule

	<b>June 14 Expert WS Day 1</b>	<b>June 15 Expert WS Day 2</b>	<b>June 16 Expert WS Day 3</b>
<b>Morning</b>	<b>Introduction Session 1: Long-term Goals</b>	<b>Session 3: Win-Win Strategies</b>	<b>Session 6: Cooperation</b>
<b>Afternoon</b>	<b>Session 2: Methodologies</b>	<b>Session 4: Low-Carbon Options Session 5: Break out groups</b>	<b>Wrap up  Closing</b>

# Objectives and Goals (1)

- **Arriving at Long-term goals for LCS (Session 1, Group 1)**
  - Identifying and understanding the necessity for deep cuts in global greenhouse gas emissions toward 2050 based on scientific findings
- **Methodologies for LCS (Session 2)**
  - Depicting visions and pathways (back-casting)
  - Qualitative modeling of the future society
  - LCS scenarios harmonization at national, regional and global levels
  - Possible combinations of options (technological, institutional, behavioral)
- **The role of technology, institutions and behavior to achieve LCS (Sessions 2, 3 and 4, Group 2)**
  - Reviewing country-level GHG emissions scenarios studies
  - Looking at possible options such as for supply-side, demand-side, policy, institutional, financial, life style based on national circumstance

# Objectives and Goals (2)

- **Aligning LCS and sustainable development (Session 3, Group 3)**
  - Investigating possible co-benefits of LCS such as:
    - Tackling poverty
    - Other environmental concerns (including air pollution, water, land use)
    - Energy security
- **International cooperation for LCS (Session 6, Group 4)**
  - Sharing best practice and information
  - Identifying opportunities for cooperation and how best to cooperate in estimating country, regional and global-level LCS scenarios.
  - Identifying gaps between our goals to develop country-level LSC scenarios and the current reality.

# Expected Outputs

- Workshop summary from the steering committee
- Report from the workshop
- Workshop presentations on NIES website
- New research collaboration
- Enhanced communication between researchers and stakeholders



# Key questions for this workshop

- 1) What are the key issues?
- 2) What are the barriers and how can we overcome them?
- 3) What kind of cooperation we can build?