



# Long-term Climate Policy Target

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# Introduction

- The goal of this team
  - To set the GHG stabilization level and emissions reduction target
  - To present the criteria of the numerical target for the global warming measures in 2050 and its views



# Research Activity of this team

## ■ Politics sub-team

- Comprehension of the discussion on the long-term target for the world
- Investigation of the means for setting the emissions reduction target
- Evaluation of the scenario from an international politics viewpoint

## ■ Impact sub-team

- Setting the stabilization target

# Recent research activities

## ■ Target setting

- Discussion about the stabilization level and the scheme for burden sharing

- Estimate the Japanese target in 2050 from the global emissions path

## ■ Disposition of the consensus building process of the 2°C target in the EU

- Give a lesson to Japan

# Target setting

- ① Investigation of the stabilization target
  - Investigate the global emissions path by using the data from the Dynamic Optimization Model AIM IMPACT (policy)
- ② Calculate the emission in 2050 from the emissions path and then calculate the Japanese share from the international burden sharing scheme
  - Investigate the Japanese target
- ③ Investigation of the way of setting target

# Long-term target setting in the EU

## -Scientific basis and political background-

- Review of the basis and view of the long-term target in the EU
- Discussion of the EU environment council beyond 2001
  - The consensus has been changing - that 550ppm can not achieve the 2°C target
  - Main EU countries are carrying out active scientific investigation and verification, and fostering consensus-building between governments and stakeholders
  - Discussion about probability

# Long-term target setting in the EU

-Scientific basis and political background-

- Although 2°C is based on scientific investigation, establishing the dangerous climate change level is based more on political judgment.
- 2°C is the lowest numerical value that we can achieve





# Long-term target setting in the EU

-Scientific basis and political background-

- The purpose of setting the long-term target
  - To put UNFCCC article 2 into practice
  - To concretize the direction of the international society
  - To consider negotiations beyond 2012
  - To demonstrate the urgency of the situation
- Methodologies for consensus-building
  - Precautionary Integrated Assessment
  - Hot project