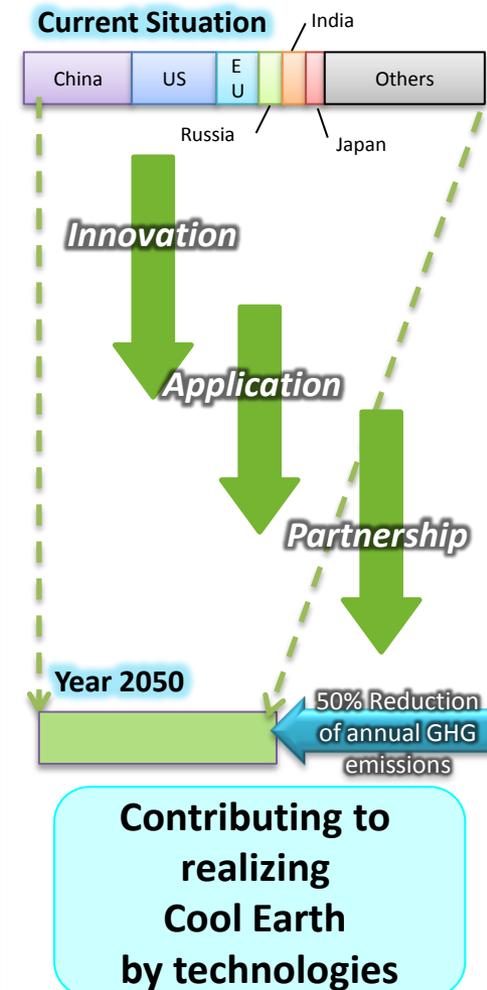


ACE: Actions for Cool Earth

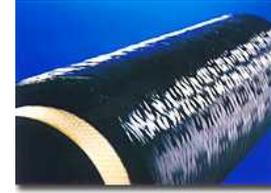
Japan's Diplomatic Strategy for Countering Global Warming

Basic Concept

- Warming of the climate system is unequivocal. (IPCC Fifth Assessment Report)
- Concrete actions are needed for:
 - **50% reduction of global GHG emissions**
 - **80% reduction for developed countries by 2050**
- Actions for “Cool Earth” are:
 - Innovation of Low Carbon Technologies
 - Application of existing technologies
 - Partnership with various stakeholders
- Overcoming the aftermath of the Great East Japan Earthquake and the nuclear accident.



Action1 : Innovation



Carbon Fiber Filament and its application

Innovative technology development is indispensable.
Japan will lead the technological breakthrough.

- **Endeavor to invest USD110 billion of both public and private finance over five years for research and development in energy and environment.**
- **Implement the Low Carbon Technology Plan.**
→ approx. 80% cover of the reduction to halve global GHG emissions by 2050.
(e.g., CCS, innovative structural materials, locally appropriate technology)
- **Host “Global Energy and Environment Innovation Forum” annually with the participation of leading persons.**

Action2: Application

Low carbon technologies

→ produce immediate effect on GHG emission reduction



Exterior view of GOSAT (@JAXA)

➤ Double the number of partner countries to the Joint Crediting Mechanisms (JCM) over the next three years.

✓ Support project formulation through JCM Special Financing Scheme (JSF) and “Leapfrog” fund.

➤ Build basis for international diffusion of technologies.

✓ Promote international standardization (e.g., LED lighting)

➤ Launch a new satellite to observe GHGs in FY2017.

✓ Monitor nation-by-nation or megacity-by-megacity GHG emission levels
→ verify and propose countermeasures.

Action 3: Partnership



Support developing countries and establish a win-win relations.

➤ **1,600 billion yen (approx. USD 16 billion) of both public and private finance to developing countries over the 3 years since 2013**

- ✓ Focus on disaster risk reduction and utilize new schemes e.g., Stand-By Emergency Credit for Urgent Recovery (SECURE) etc.
 - ✓ Promote the substantial scale-up of private climate finance by utilizing public financial instruments.
- **Japan will lead the discussion to develop a new international framework for climate change beyond 2020.**