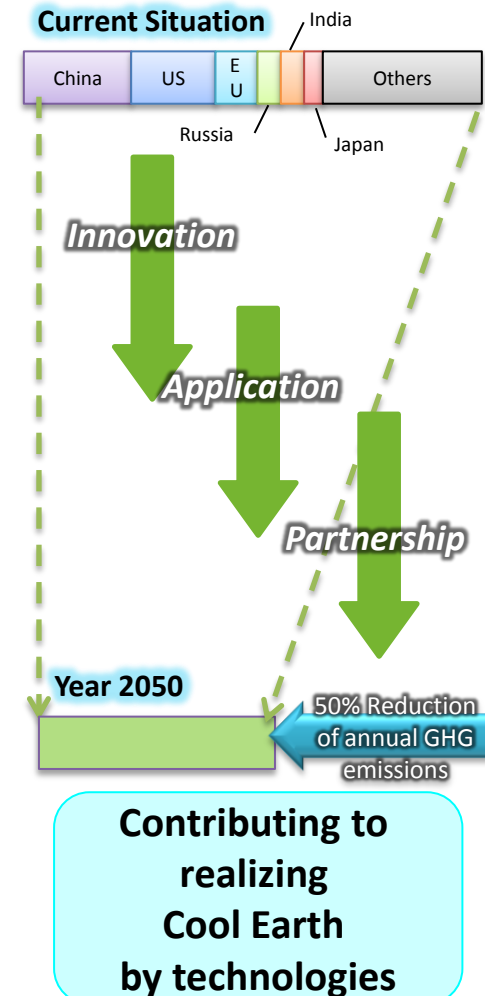


# ACE: Actions for Cool Earth

## 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.

# Action3: 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.**