

**Cool Earth Partnership and Japan's ODA - JICA's Cooperation -**

COP14 side event (Government of Japan) in Poznan  
9th December 2008

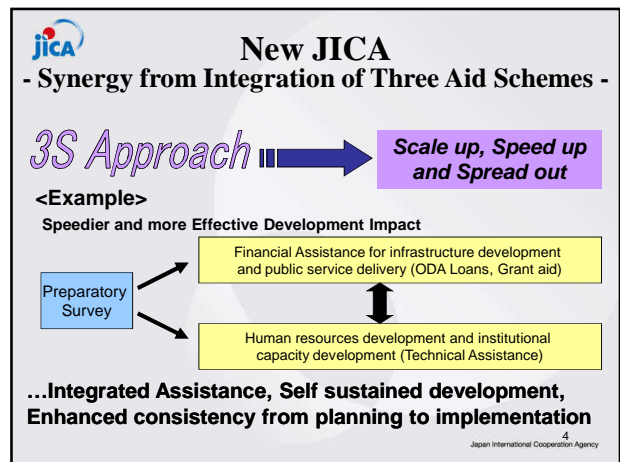
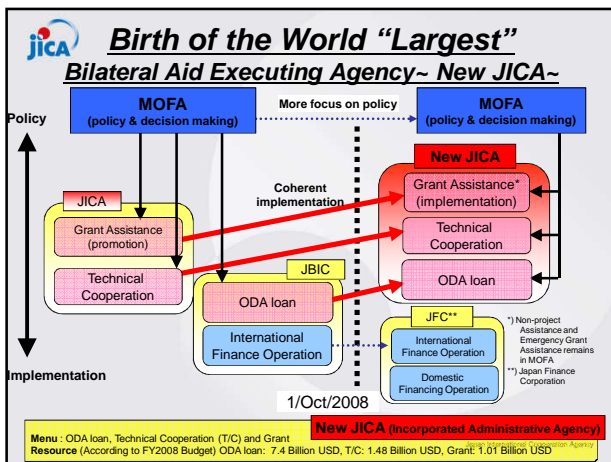
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**Presentation outline**

1. Introduction of Japan's ODA ~ Reform and the birth of New JICA~
2. Approach of Japan's ODA to Climate Change Measures
3. Current JICA's Operation and Case Projects
4. New JICA's Next Steps for Achieving Low Carbon & Climate Proofing Society

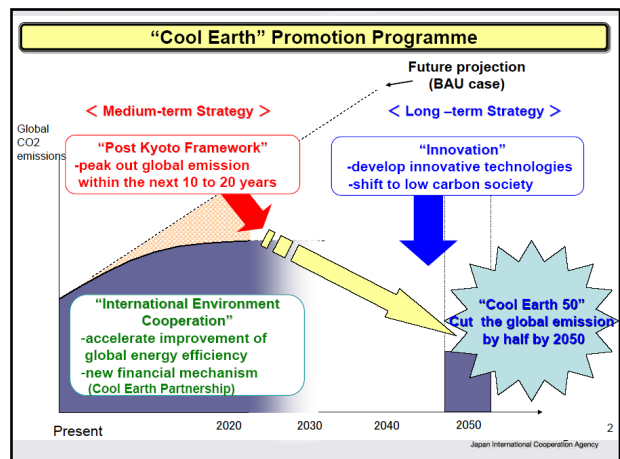
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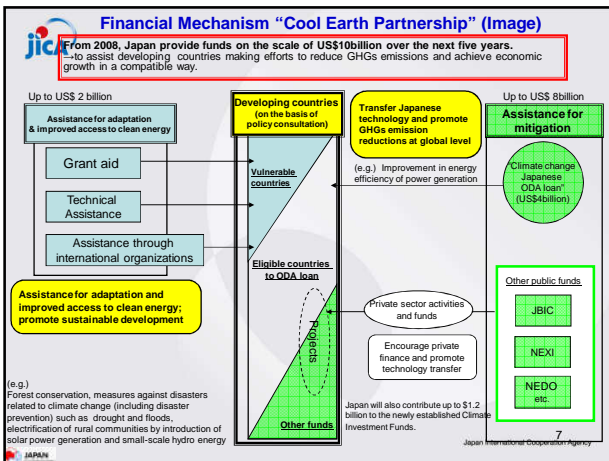


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## Cool Earth Partnership (1)

- Assistance for **adaptation** to climate change and **improved access to clean energy**: up to US\$ 2 billion
  - Grant aid, technical assistance and aid through international organizations will be provided to address the needs in developing countries. A new scheme of grant aid, "Program Grant Aid for Environment and Climate Change", has been created as a component of this package.
  - In the context of improved access to clean energy, feasibility study on rural electrification projects with clean energy and "co-benefit" projects that address climate change will be conducted.

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## Cool Earth Partnership (2)

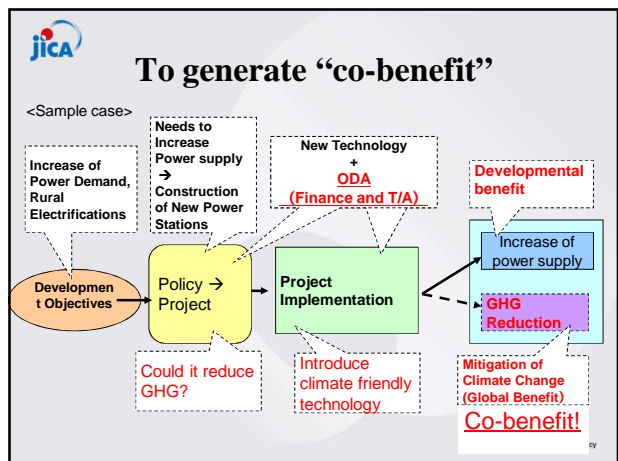
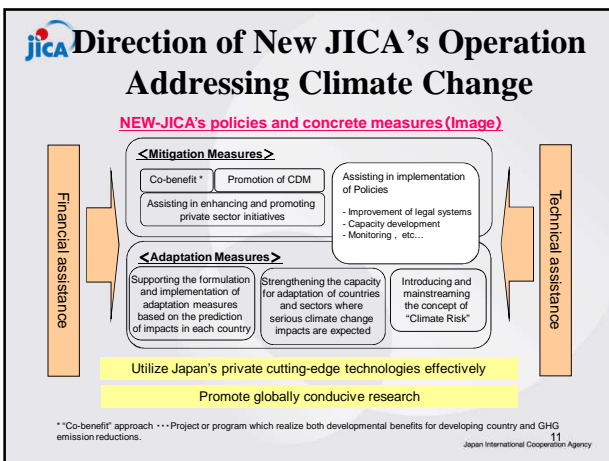
- Assistance for **mitigation** of climate change: up to US\$ 8 billion
  - "Climate Change Japanese ODA Loan" with preferential interest has been created to provide loans amounting to US\$ 4 billion for the purpose of implementing projects to address global warming in developing countries.

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**ODA Support for CDM Projects**

Private Sector      Public Sector

Countries rated as "low risk" (private investment is vibrant.)

Countries rated as "high risk" (private investment is limited.)

**Private Investment (Regular CDM Projects)**

**Potential area of ODA Support for CDM**

For countries and sectors where participation of private investors are difficult, Japanese ODA Loans are more effective in supporting CDM projects.


13  
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**[Case] Mitigation Measure**

**Co-benefit & CDM: Renewable Energy**

- Zafarana Wind Power Plant Project, Egypt**

- Project description**
  - Construction of a wind power plant (120MW) in Zafarana on the coast of the Red Sea, 220 kilometers southeast of the capital Cairo.
- Effect of the Project**
  - Approx 250,000 t of CO<sub>2</sub>/year will be reduced.
  - Registered as CDM





(Image photo)

14  
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**[Case] Adaptation Measure**

**Disaster Management**

- Multi Purpose Cyclone Shelter Project, Bangladesh**
  - 80% of the national land at an altitude of under 9 meters
  - Excessive loss due to flood in rainy season and cyclone
  - Construction of 91 *two-story multi purpose cyclone shelters* by 5 phase-long cooperation
  - Combining cyclone observation system such as *Metrological Radar System*, cyclone shelters could work more effective to reduce damages from cyclones

JAPAN

**Program Grant Aid for Environment and Climate Change**

Program for improvement of Solid Waste Management in Dhaka City toward the Low Carbon Society

**Capacity building for individual**

Environmental Education to officers & workers at solid waste management office (Drivers etc) (T/A for GHG reduction tech, awareness raising)

**Capacity building for municipality**

Provision of waste collection trucks

T/A for vehicle operation planning

CNG use → CO<sub>2</sub> reduction

Training for O&M

**Components of the program**

|                 |  |  |
|-----------------|--|--|
| Soft components | Environmental education<br>Vehicle O&M<br>Support for CNG introduction program/training for safety | Training/Institutional development   |
| Hard components | Low-carbon emission type waste collection truck<br>Service garage<br>Tools & Equipments            | Container carriers, Arm-roll Trucks, Compactor collection vehicles<br>Improvement of service garage for vehicle maintenance<br>Provision of equipments for O&M of vehicles |

Tools & Equipments for Service garage

Comprehensive assistance will be provided for reduction in GHG emission in Dhaka City by upgrading waste collection trucks and improving maintenance capacity.

**Policy Based Assistance for Climate Change**

- Formulate the policy actions (policy matrix) in order to improve the related policy to Climate Change based on the policy dialogues
- The case here we set 3 policy pillars such as (1) Emission Reduction of GHGs (Mitigation), (2) Adaptation to Climate Change, and (3) Cross-cutting issues.
- The coming loan amount and policy reform agenda will be decided annually, while conducting continuous dialogue and monitoring concerning the implementation progress of the agreed policy matrix.

**Example of the Policy Matrix formulated based on the policy dialogue**

|   |  |                                |                                  |                           |
|---|--|--------------------------------|----------------------------------|---------------------------|
| <b>Pillar 1: Mitigation</b>   |  | <b>Pillar 2: Adaptation</b>    |                                  |                           |
| 1.1: LULUCF (Land Use, Land Use Change and Forestry)<br>-Reforestation<br>-REDD<br>-Forest management | 1.2: Energy<br>-Power plant<br>-Industry, domestic and commercial<br>-Others | 2.1: Water Resource Management | 2.2: Water Supply and Sanitation | 2.3: Agriculture          |
| <b>Pillar 3: Cross-cutting Issues</b>   |  |                                |                                  |                           |
| 3.1: Understanding the Impact of Climate Change   | 3.2: Mainstreaming Climate Change in the National Development Program        | 3.3: CDM                       | 3.4: Co-Benefit                  | 3.5: Fiscal Incentive     |
|   |  |                                |                                  | 3.6: Early Warning System |

**Study**

**JICA-WB-ADB Joint Study: Climate Change Impact and Adaptation in Asian Coastal Cities**

**Assessment on vulnerability to floods caused by climate change**

Cities: JICA : Manila, World Bank : Bangkok and Kolkata, ADB : Ho Chi Minh City and others

Prediction of floods applying climate models for 2050  
(Change in precipitation/ sea-level rise/storm surge)

Empirical analysis on vulnerability of household/firm  
: Estimation of costs of floods

Impact on urban infrastructure (transportation/energy/communication/sanitation etc.)

Adaptation and mitigation policies to climate change



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19  
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## New JICA's Next Step for Achieving Low Carbon & Climate Proofing Society

- (1) Promoting integrated cooperation addressing climate change measures in development cooperation
- (2) Aligning climate change and development based on the co-benefits approach
- (3) Realizing tangible development projects from the perspective of climate change mitigation and adaptation

20  
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Thank you.

21  
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