

JICA's Approach to Climate Change in Africa

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Approaches: How to address challenges?

JICA Global Agenda: JICA's cooperation strategies for global issues



Contributing to the goals of UNFCCC and building sustainable and resilient societies through

- strengthening capacity development to respond to climate change
- promoting co-benefit that pursue both development issues and climate change measures.

Approach 1: Promote implementation of the Paris Agreement

Approach 2: Co-benefits of climate change

→ Especially effective for African countries where development and responses to acute effects of climate change are both needed

Co-benefits of climate change

Mitigation

Greenhouse gas emissions reduction and enhancement of absorption



► Energy

Sustainable use of stable and affordable energy
(Transmission and distribution networks, renewable energy, energy conservation)

► Urban development, transportation and traffic

Low-carbon and environmentally friendly cities
(Public transportation systems, comprehensive services from planning to infrastructure development)

► Conservation of forests and other natural environments

Biodiversity conservation and prevention of desertification
(Conservation of the natural environment and forests)

Co-benefits of climate change

Adaptation

Building a climate change resilient society



Examples for this approach

▶ Disaster risk management

Flood risk assessment based on climate change impact projections

▶ Water resource management

Planning for comprehensive water resource management based on climate risk

- Groundwater conservation
- Drought-resilient water supply system

▶ Agriculture

- Participatory Irrigation Management
- Diversifying livelihood options through multi-crop cultivation and multiple management
- Introducing agricultural insurance

Approach 2: Co-benefits of Climate Change

(Mitigation)

Clean energy, transportation and building low-emission, climate resilient infrastructures will have a significant effect on climate change

Specific Efforts

- Improving energy efficiency (power generation, power loss reduction, energy conservation)
- Development and use of renewable energy sources
- Expansion of public transportation
- Support for cities to develop and implement plans to achieve carbon neutrality



[Loans] Greater Cairo Metro Line No.4 Project (Egypt)



[Loans] Kampala Flyover Construction and Road Upgrading Project (Uganda)



[Loans] Olkaria V Geothermal Power Plant (Kenya)



Approach 2: Co-benefits of Climate Change

(Adaptation)

Assessment of climate risks and enhancement of adaptation measures

Specific Efforts

- Capacity building and facility development for
 - Climate risk assessment
 - Prediction and early warning
 - Rapid response preparedness
- Proactive investments in
 - Climate risk prevention and reduction
 - Infrastructure development
 - Resilience contributing to Build Back Better
- Develop risk financing



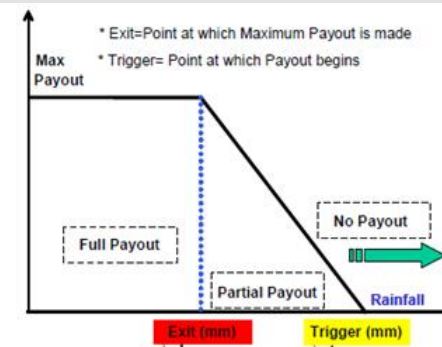
Improvement of meteorological radar system (Mauritius)



Construction of flood control facilities and training through the Community-based Flood Disaster Management to Adapt to Climate Change (Kenya)



Pilot project of weather index-based crop insurance promotion (Ethiopia)



Introduction of weather index insurance to reduce the risks on agriculture in areas with low-rainfall to strengthen small farmers' resilience to climate change

Approaches: How to address challenges in Africa?

Challenges in the Context of Africa

1. Huge demand and potential in adaptation

2. Rainforests as carbon sink

3. Mitigation also have to be addressed

under the steady population and economic growth in Africa



(Grant) Rehabilitation of Irrigation Facilities in Rwanda

<https://www.tobishima.co.jp/result/detail/20210301150921.html>



(Technical Cooperation) Strengthening Forest Resources Monitoring in the Democratic Republic of the Congo



(Loan) Photovoltaic Power Plant Project in Egypt

https://www.mofa.go.jp/mofaj/gaiko/oda/mail/bn_446.html

Thank you for your attention.

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