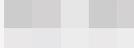


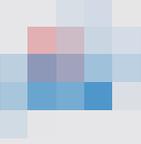
UNFCCC COP16 - KYOTO PROTOCOL COP/MOP6 SIDE EVENT
JAPAN'S INITIATIVE FOR SUPPORTING DEVELOPING COUNTRIES
PROMOTING CDM AND CLIMATE ACTIONS IN LDC AND SIDS

Development Cooperation for Climate Actions in LDC and SIDS

November 30, 2010

Office for Climate Change, Global Environment Department
Japan International Cooperation Agency (JICA)

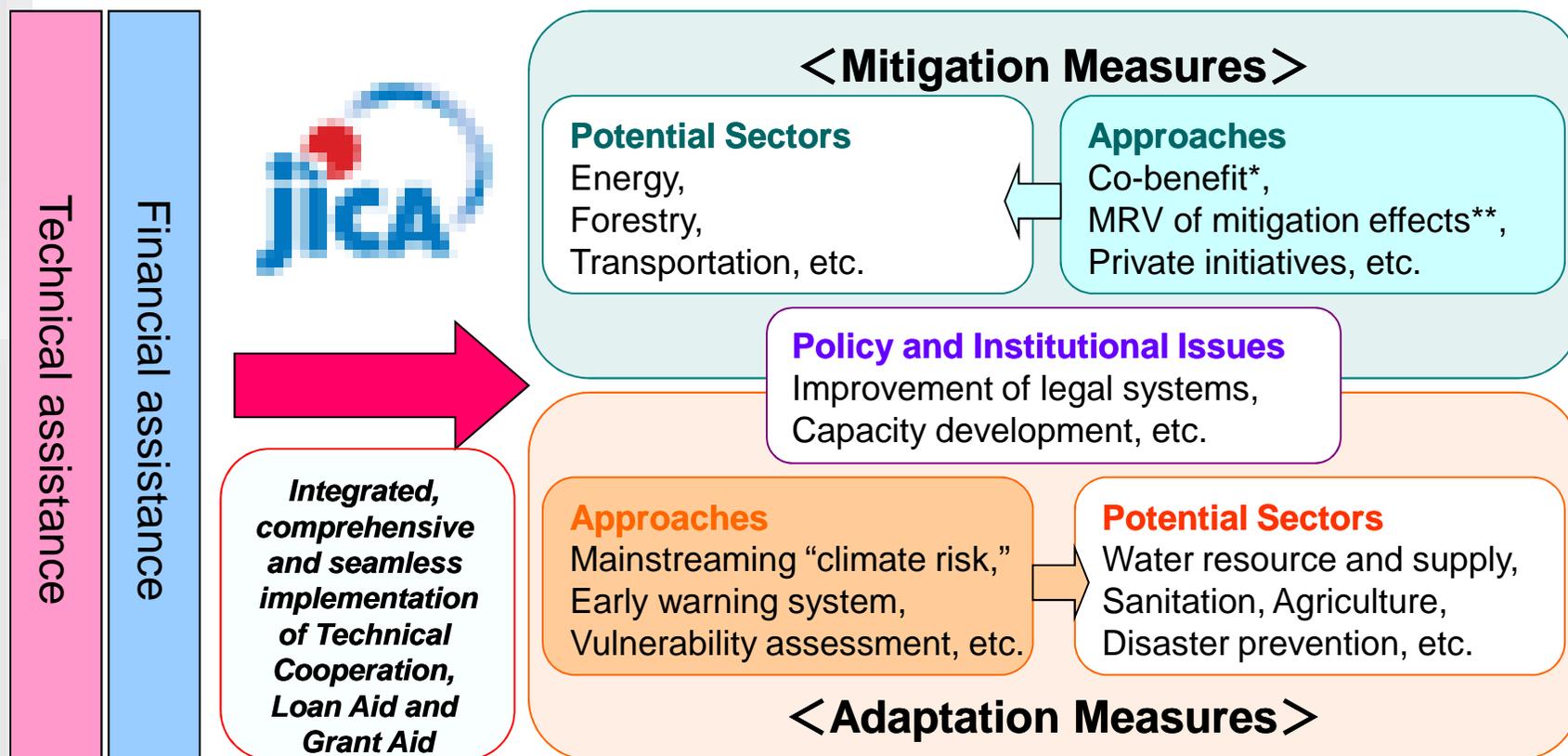




Takeaway Messages

- In order to simultaneously achieve economic growth and a low-carbon and climate-resilient society in developing countries, climate actions need to be aligned with development strategies.
- Japan has provided numerous project and policy assistance to LDC, SIDS and other developing countries that create a double dividend of sustainable development and climate change mitigation / adaptation (“co-benefits”).

Addressing Climate Change in JICA's Development Cooperation



Encourage cross sector approach based on policy dialogue

Utilize Japan's private cutting-edge technologies effectively

Promote globally conducive research

*Co-benefit" Approach --- To promote project or program with double dividends of sustainable development and climate change mitigation / adaptation

**MRV of mitigation effects --- To ensure rigorous, robust and transparent mitigation through measurable, reportable and verifiable emission reduction

Good Practices in JICA's Development Cooperation

(1) Samoa (**SIDS**): Program for Improving the Weather Forecasting System and Meteorological Warning Facilities

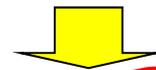
Enhancing weather forecasting ability and reducing vulnerability to natural disaster through improvement of system and facilities

“Program Grant Aid
for Environment and Climate Change”
(2010~2013, about 750 mil JPY (8 mil USD))

Grant aid offering a combination of tangible (facilities and equipment) and intangible (technical support) components



Equipment installed at Samoa meteorology headquarters



- Expected outcomes include:
 - Nationwide meteorological monitoring system allowing early warning of weather related disasters, providing detailed information on cyclones
 - Accumulation of weather data helping global climate change research as well as improving local scientific knowledge of weather impact on industries

Good Practices in JICA's Development Cooperation

(2) Basic Training for Introduction of Solar Power (**LDC** and **SIDS**) - Transferring Japan's Technologies and Knowhow -

Introducing new technologies to administrative officials and engineers from developing countries through training in Japan

Basic Training for Introduction of Solar Power (Feb 2010~)

Training through Pacific Resource Exchange Center (PREX) at firms in Japan including: The Kansai Electric Power Co., Inc. / SHARP Corporation / SANYO Electric Co., Ltd. / Kaneka Corporation / KYOCERA Corporation / Osaka Gas Co., Ltd.



Laos: Example of installation of solar power panel



- Countries of participants to past and expected training program sessions include:
Africa: Ethiopia, Burkina Faso, Djibouti, Mali, Senegal, Burundi, Lesotho, Malawi,
Asia: Timor-Leste, Cambodia, Lao, Afghanistan
[**LDC** as well as **SIDS, LDC**]
- Expected outcomes through this training program
 - 1) Promoting introduction of Japanese solar power / technologies through presentation during training
 - 2) Promoting formulation of solar power projects financed by grant and loan aid of JICA
 - 3) Promoting technical cooperation including dispatch of experts for establishing standards, institutions and policies related to solar power

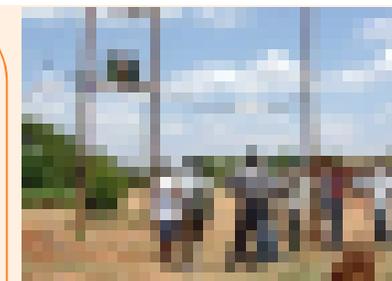
Good Practices in JICA's Development Cooperation

(3) Promoting CDM in **LDC** (Bhutan and Zambia)

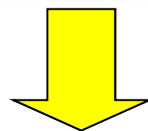
Helping LDC by providing concessional loans for construction of rural electrification facilities and helping the CDM process

Bhutan: Rural Electrification Project
(3.6 bil JPY (40 mil USD) ODA Loans)

Zambia: Increased Access to Electricity Services Project (includes mini hydro)
(5.5 bil JPY (60 mil USD) ODA Loans)



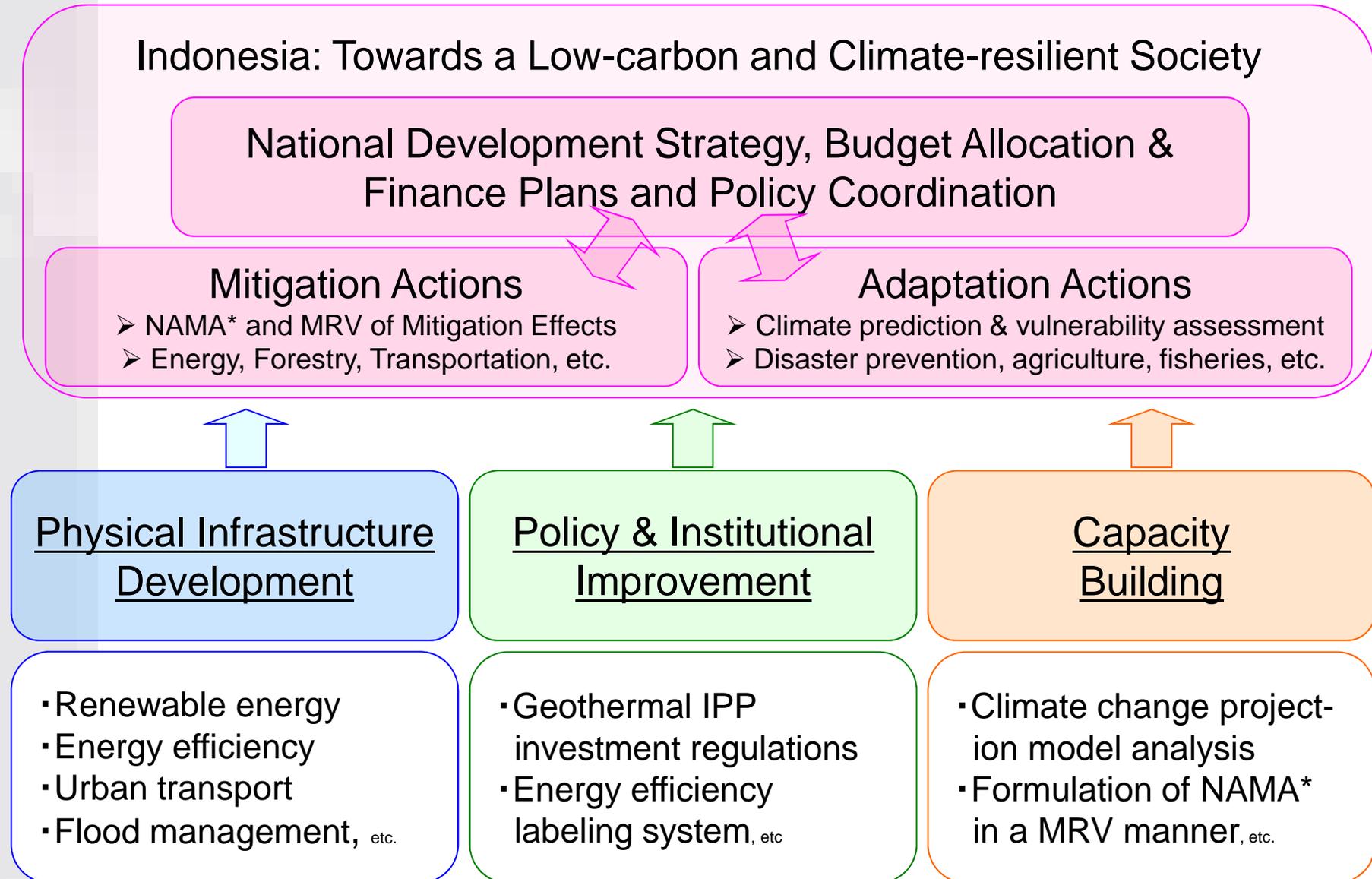
Rural electrification in Zambia



- JICA endeavors to promote CDM in LDC and SIDS to bridge climate actions with economic growth and poverty alleviation. JICA funded studies are on-going in both Bhutan and Zambia for preparing PDD and helping the validation process.
- JICA has been working with the Institute of Energy Economics, Japan (IEEJ) and other international experts to facilitate CDM procedures for LDC and SIDS - In May 2010, CDM EB issued a new guideline which allows exemption of additionality demonstration for micro-scale renewable and energy saving projects in LDC and SIDS.

Good Practices in JICA's Development Cooperation

(4) Indonesia: Strategic and Multi-layered Assistance



Synergy between Policy and Project Assistance

Policy & Institutional Improvement

(Climate Change Program Loan)

Sep 2008: 30,768 mil JPY, Dec 2009: 28,083 mil JPY

Jun 2010: 27,195 mil JPY

Promoting IPP in geothermal power through analyzing investment risk and optimizing bidding procedure

Signing agreement for ODA loan to Indonesia



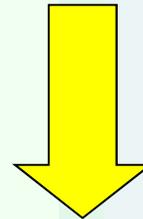
Physical Infrastructure Development

(Geothermal Power Plant, STEP* ODA loan)

Promoting introduction of Japanese technologies from the planning stage of project (suppliers: Sumitomo Corporation and Fuji Electric Systems Co., Ltd.)



Indonesia Lahendong geothermal power plant

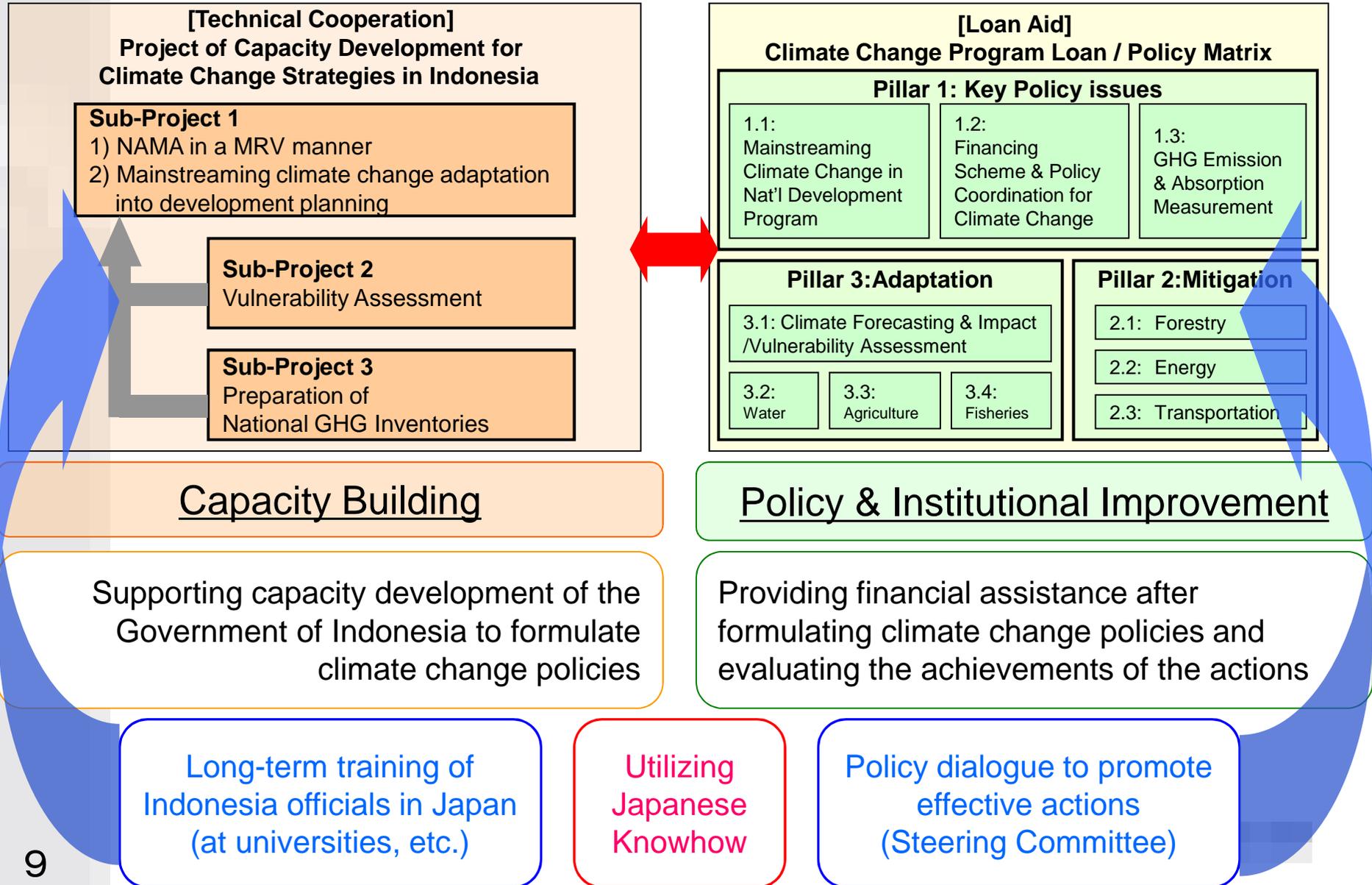


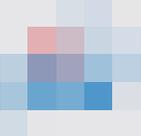
- Indonesia - Promoting utilization of geothermal power (world's No.1 generation potential with 27,000 MW **) to simultaneously achieve growing economy and low-carbon society, setting a policy goal of developing about 40% of its new power generation facilities using geothermal (2010 - 2014)

** more than 3 times larger than the capacity of the world's largest nuclear power station, Kashiwazaki Kariwa (8,212MW) in Japan

- Japan - Developing geothermal power markets (IPP, EPC) for which Japanese firms have superior technologies, which contributes to Japan's growth strategy

Synergy between Technical Cooperation and Loan Aid





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