

JBIC Operations towards Low Carbon Economy in East Asia and Latin America

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Profile of JBIC



Profile of JBIC

Missions:

Natural Resources
Securement

Financial Crisis
Response

Overseas Business
Development

Global Environment
Preservation

Start
from
March
2010

Operations:

Export Loan, Import Loan, Overseas Investment Loan, Untied Loan, Equity Participation, Guarantee etc.

Outstanding of Loans, Equity Participations and Guarantees:

¥ 10,571 billion (USD 132.1 billion)

As of March 31, 2012

USD1=¥ 80

Overseas Network:

Americas

* Core regional headquarters

New York*, Washington, D.C., Mexico City, Rio de Janeiro, Buenos Aires

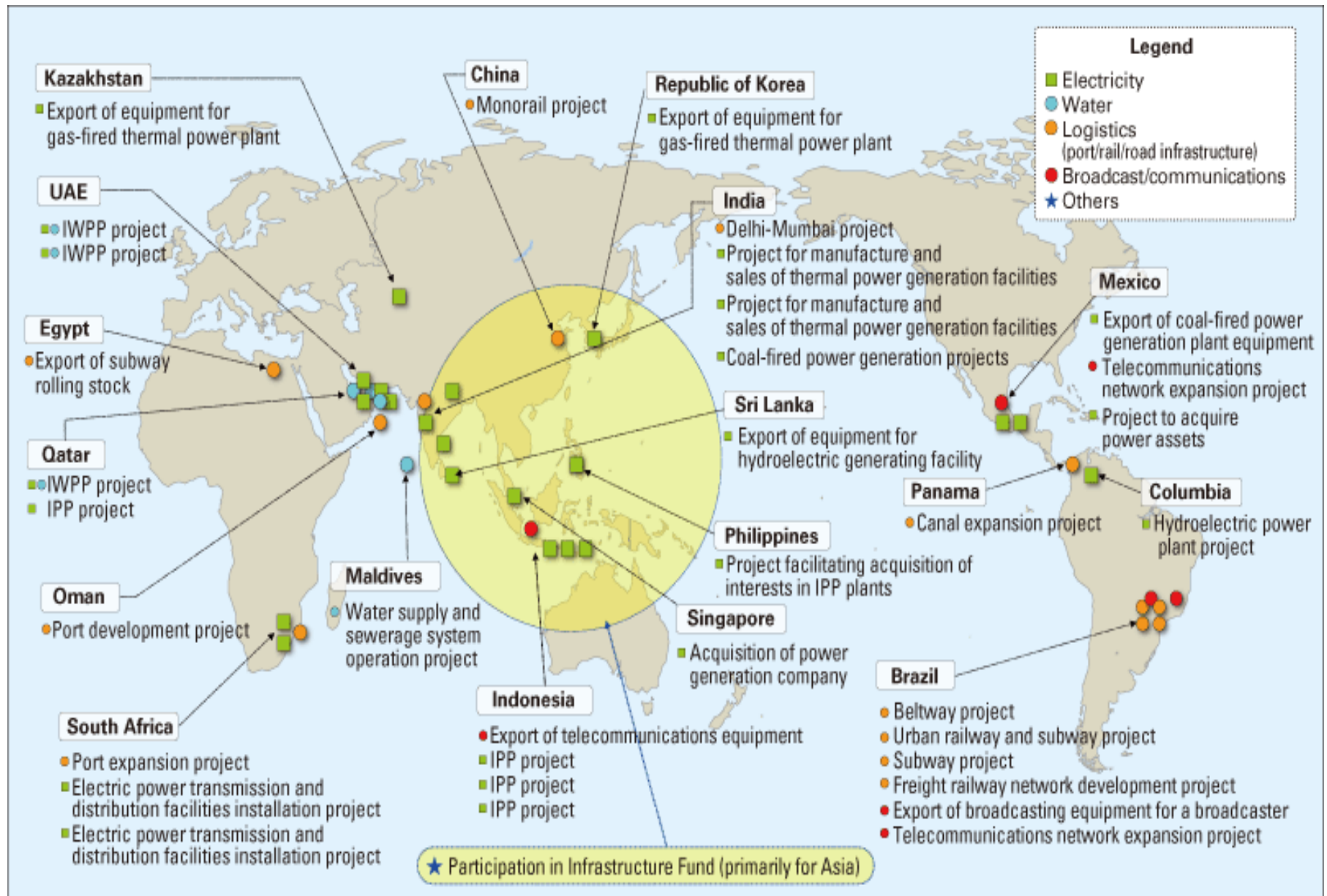
Asia and Oceania

Singapore*, Beijing, Bangkok, Hanoi, Jakarta, Manila, New Delhi, Sydney

Europe, the Middle East and Africa

London*, Paris, Moscow, Dubai

Projects of JBIC



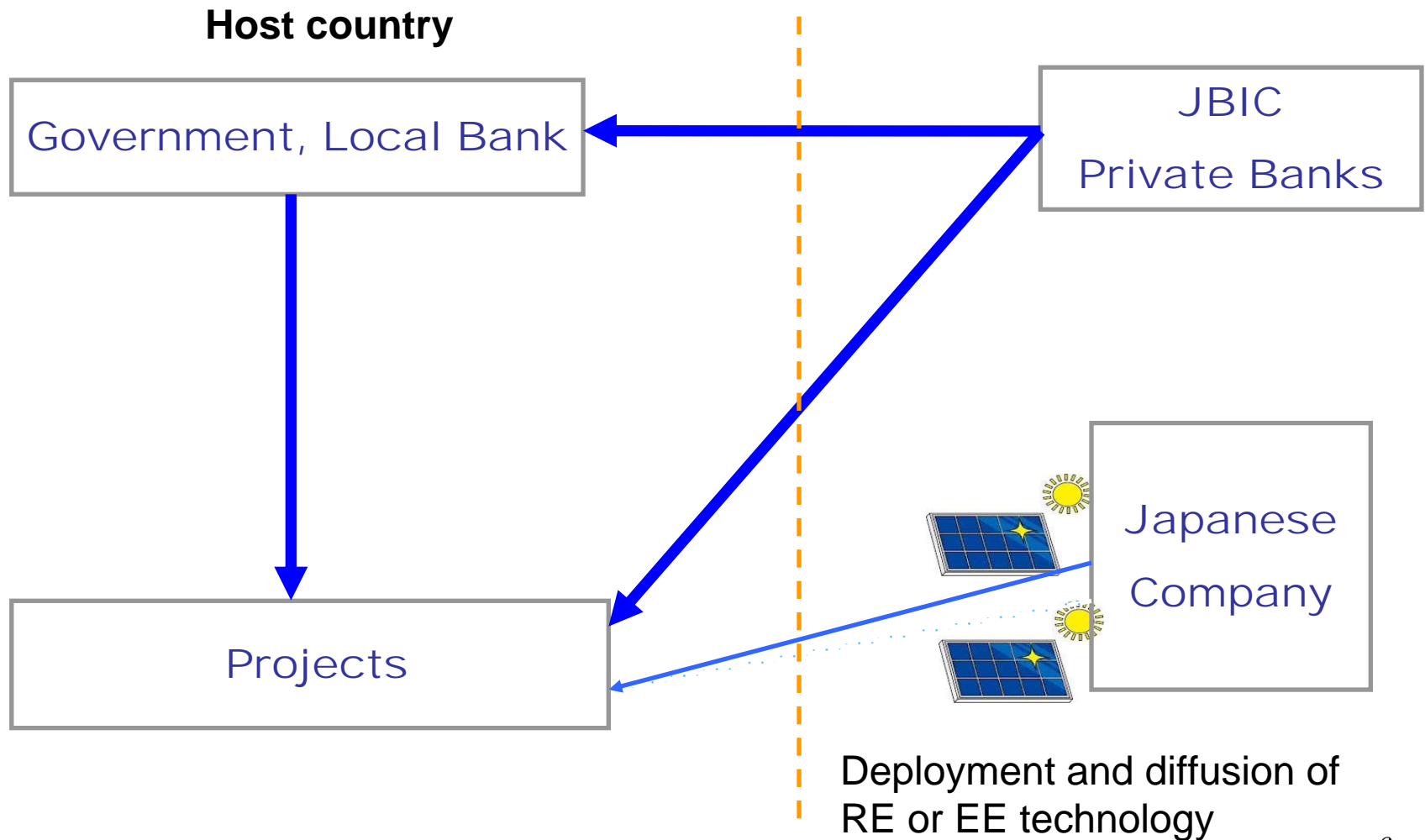
Financial Operation 1

-Export Loan

-Overseas Investment Loan



JBIC Export Loan for Environmental Business



Preferential Condition in OECD Arrangement for Export Credit

Sector Understanding for Renewable Energy, Climate Change Mitigation and Water projects

A) Renewable Energy Projects

Wind energy

Geothermal energy

Solar photovoltaic power

Solar thermal energy

Bio-energy

Hydro power

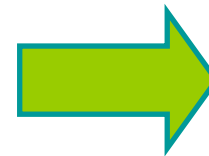
B) Climate Change Mitigation Projects

CCS ready, CCS

Waste to energy

District heating

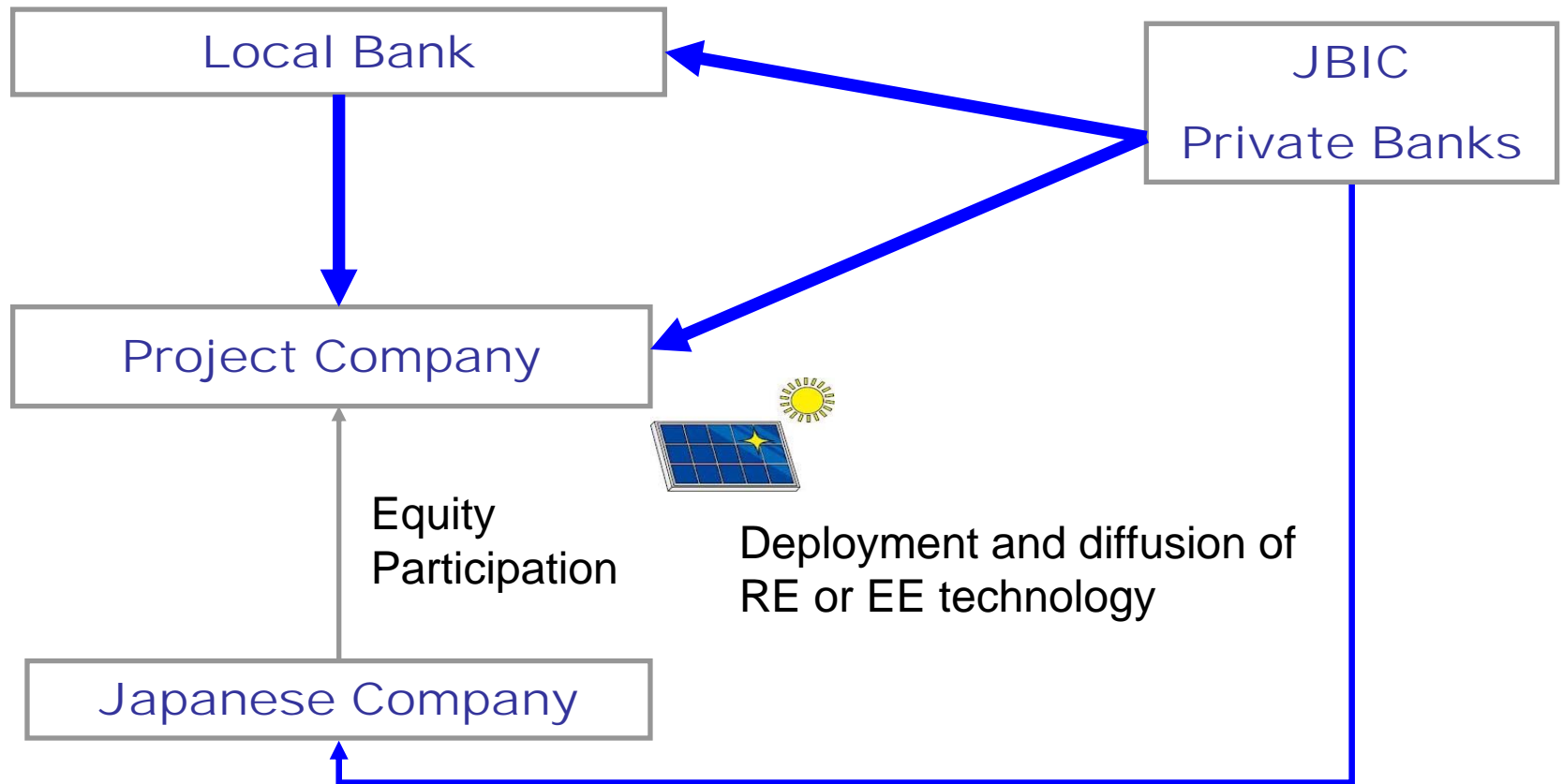
C) Water project Projects



**Repayment Terms
Up to 18 years**



JBIC Overseas Investment Loan for Environmental Business



Recent Topics: Infrastructural Development Packages in Japanese Government Policy

- **Changes in business models in infrastructural development packages make new needs for JBIC Overseas Investment Loan.**

Conventional :stand-alone machinery and equipment



Current :infrastructure packaged as an integrated system incorporating business management and maintenance service as well.

◆ **Examples:**

- **Inter-city high-speed railways**
- **High efficiency power plants**
- **Renewable Energy**
- **Smart-grid, Smart community**
- **Water supply and sewerage system**



Financial Operation 2

- “GREEN” Untied Loan and Equity Participation



Japanese Government Actions and JBIC Operations towards Low Carbon Economy

	“Cool Earth Partnership”	“Hatoyama Initiative” As Revision of “Cool Earth Partnership”
Commitment Period	2008-2012 (5years)	-2012 (3years)
Commitment Amount	10 Billion USD	+5 Billion → 15 Billion USD
JBIC Operations	2.4 Billion USD (JBIC + Private Flows)	4.0 Billion USD (JBIC + Private Flows)
	“JBIC Facility for Asia Cooperation and Environment” (FACE)	FACE and “Global Action for Reconciling Economic Growth and Environmental Preservation” (GREEN)
	Equity/Guarantee	Loan/Equity/Guarantee

GREEN

(Global action for Reconciling Economic growth
and Environmental preservation)

**Supporting Projects aiming at Preserving
the Global Environment, such as Mitigating Global Warming**



Eligible Entity:

Sovereign, Sub-sovereign, non-sovereign such as utilities operating closely with government, Foreign Financial Institution, International Financial Institution.

Eligible Projects:

1. Favorable impact on preservation of the global environment, such as significantly reducing GHG emissions.
2. Accepting **JBIC-MRV(*)** process on the effect of the environmental preservation. (i.e. Energy Efficiency Improvement, Renewable Energy, etc)

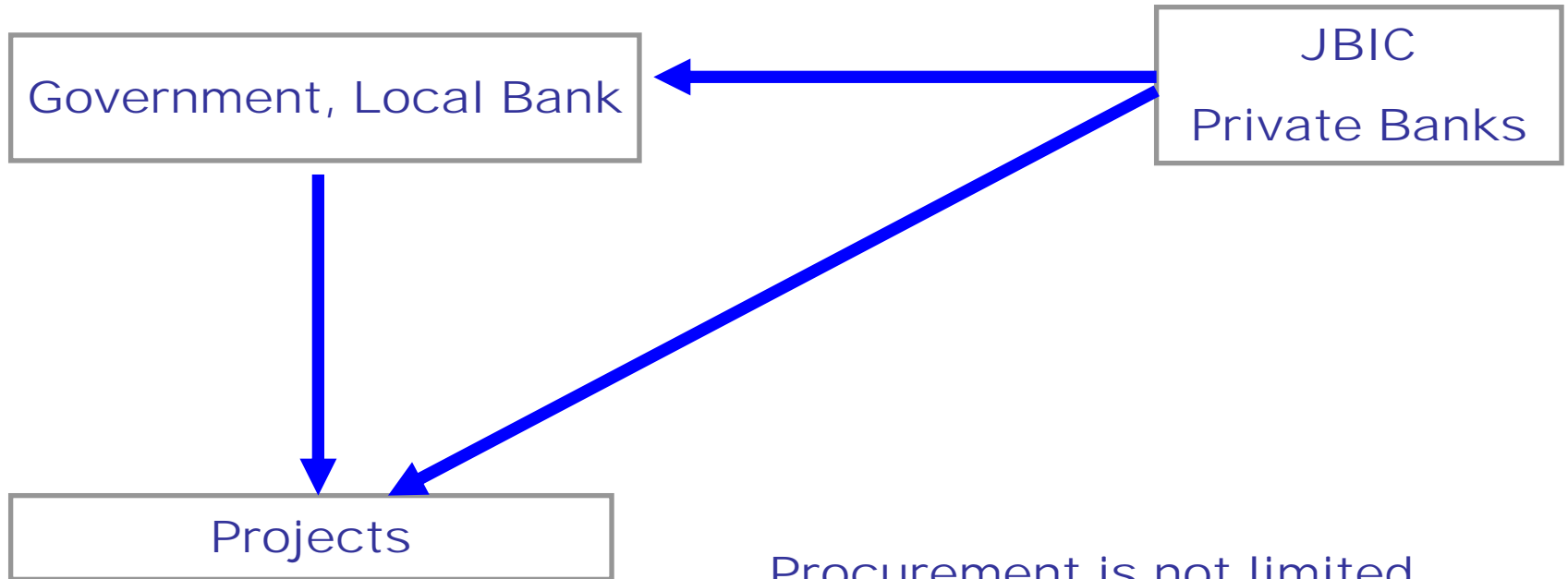
***: JBIC original methodology for Measurement, Reporting and Verification.**

JBIC utilizes GREEN to provide financing to developing countries under the “Hatoyama Initiative” until the end of 2012 (4.0 Billion USD). ^(1USD = 115JPY)

Note: GREEN has been established as permanent operation of JBIC.

"GREEN" Untied Loan for Environmental Business

Host country



Procurement is not limited to Japanese origin.



Track Records of GREEN Operation

Country/ Region	Borrower/Fund	Projects	Month. Year	Finance Amount (mil USD)
Turkey	Denizbank A.S. (co-finance with EBRD)	- Renewable Energy - Energy Efficiency	Nov. 2010	20
Latin America	CAF	- Renewable Energy	Mar. 2011	300
Brazil	BNDES	- Renewable Energy	Mar. 2011	300
India	ICICI	- Renewable Energy - Energy Efficiency	Mar. 2011	200
Mexico	BANCOMEXT	- Renewable Energy	Oct. 2011	100
Central America	BCIE(CABEI)	- Renewable Energy	Nov.2011	100
South Asia	GEF South Asia Clean Energy Fund, L.P.	- Renewable Energy - Energy Efficiency	Dec. 2011	20 *
India	ICICI	- Renewable Energy - Energy Efficiency	Feb. 2012	300
Brazil	Petróleo Brasileiro	- Cogeneration Plant - Flare Reduction	Oct. 2012	1,000 ¹⁴

* Equity participation amount from JBIC.

J-MRV Guidelines for GREEN Operation

J-MRV Guidelines

Methodologies

1. Renewable Energy Projects

Expanded to all renewable energy sources in Oct. 2012.

2. Project Which Introduce Energy Efficiency Equipments or Facilities

3. Waste Energy Recovery Projects

4. Low-Carbon Intensity Power Generation Projects Using Fossil Fuel

5. Transport Projects in Urban Area

6. Waste Management Projects

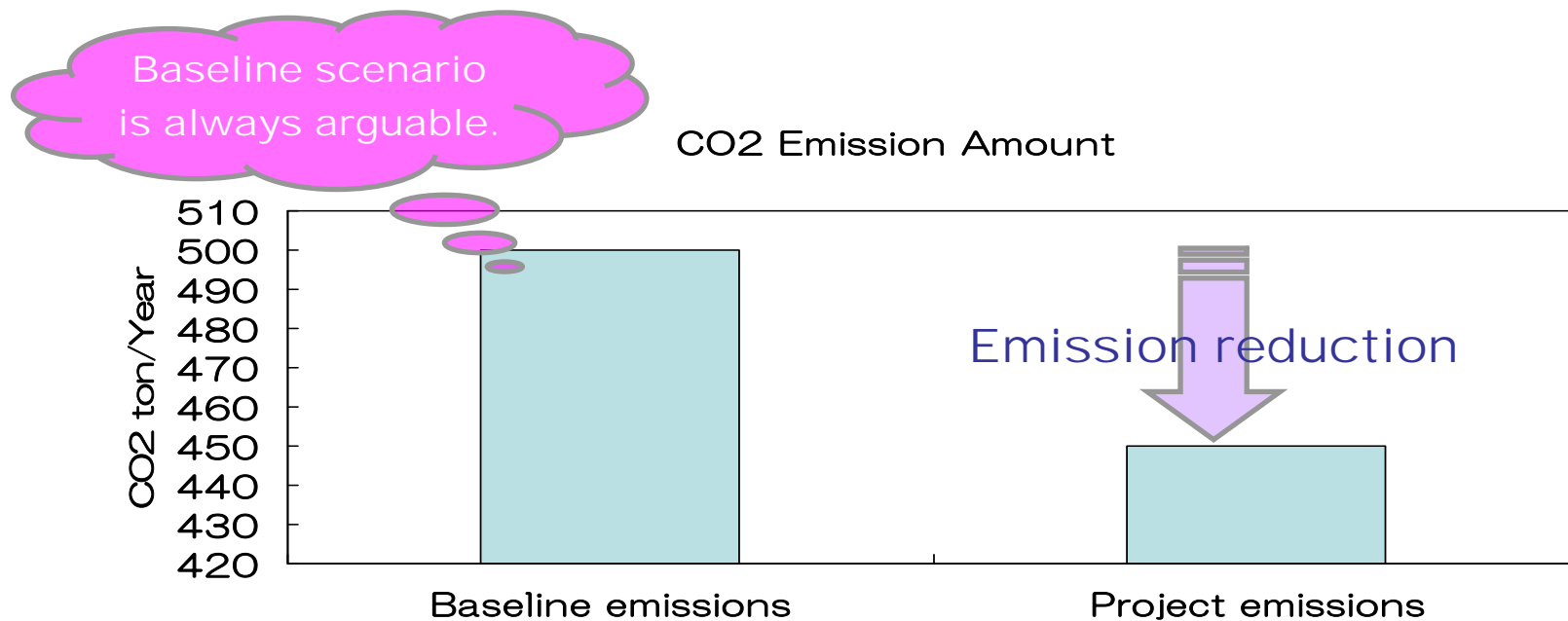
7. Water Projects

Newly established in Oct. 2012.

Calculation of Emission Reductions J-MRV

- Emission reductions

Baseline emissions – Project emissions



GREEN Operation in JBIC

JBIC Organization



■ Corporate Group

■ Energy, Natural Resources and Environment Finance Group

■ Infrastructure Finance Group

■ Industry Finance Group

■ Credit, Assessment, and System Group

Loan,
Equity,
Guarantee

GREEN Project

Solar/Wind/Geothermal/Biomass
Power Generation

High Efficient Equipment
and Technology

High Efficient Coal-fired/Gas-fired
Power Generation

Water Recycling System

Modal Shift in the Urban Area

Thank you !

日本の力を、世界のために。

Supporting Your Global Challenges

