

Various Barriers in Energy & Environmental Projects

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Eight-Japan Engineering Consultants Inc.

Taisuke Odera



Our Company



Eight-Japan Engineering Consultants Inc. (EJEC)

Started in	March, 1955
Head Office	Okayama, Japan
President	Dr. Yuji Kotani
Capitalization	Paid-in capital: JPY 2,056,880,000
Personnel	Total 765 Employees (Technical: 649, Admin: 116) in June 2014



Introduction

“Action Plan for ‘A Decade toward the Green Mekong’ Initiative”

Sustainable Forest Management

Conservation of Biodiversity

Improvement of urban environment

- Waste Management
- Renewable Energy



Water resource management

Controlling and Reducing Greenhouse Gas Emission

Disaster prevention and response to disasters

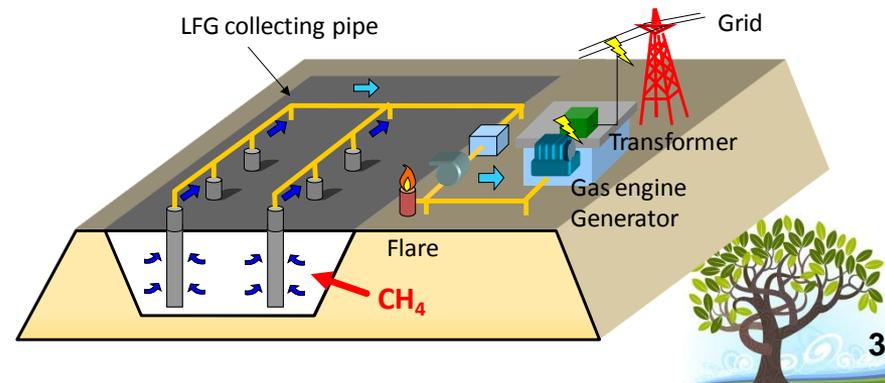
- ◆ Introduction of individual projects
- ◆ Lessons and knowledge from project experience



Projects on Waste Management

(1) Feasibility Study, Investment, Technical Advisory on Landfill Gas to Energy Project in Dong-Fu landfill in Xiamen, China

Location	China, Fujian, Xiamen
Power cap.	2,000kW
Product	Electricity
Off-taker	Public Grid
Resource	Municipal Solid Waste at LF
Initial cost	US\$ 2 million
Period	2009 to 2018 (10years)
Scheme	PPP-BOT with city government
Remarks	Registered as CDM project (70,000 t-CO ₂ /year reduction)



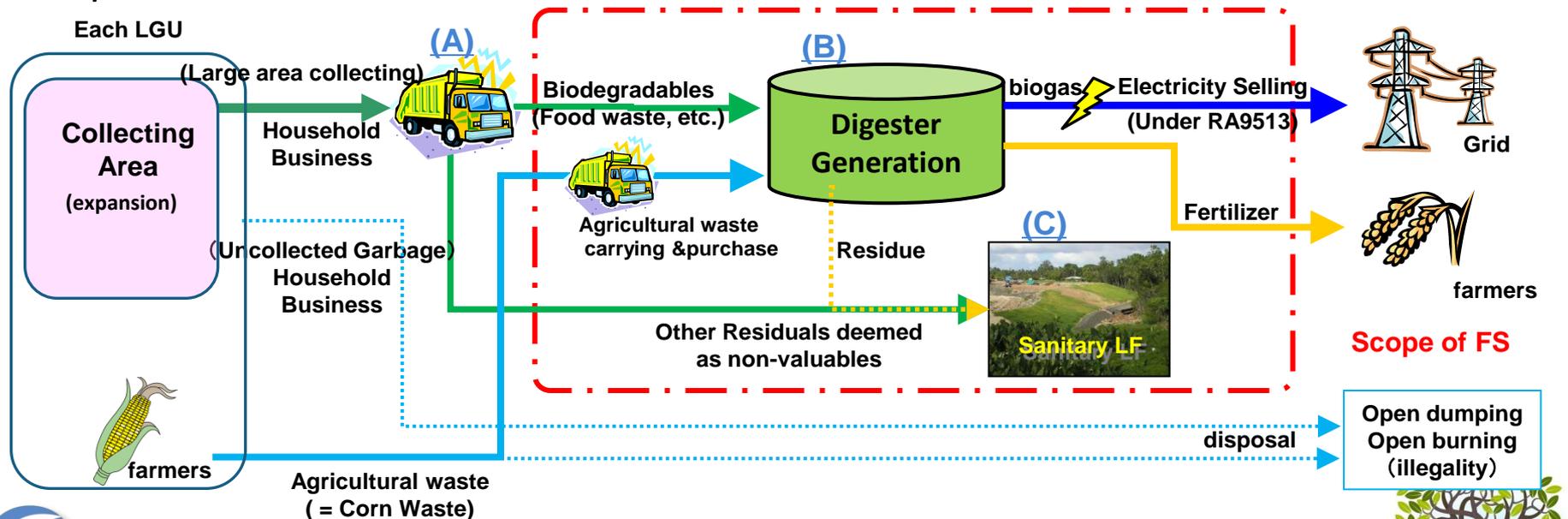
Projects on Waste Management

(2) Feasibility Study on 3 projects: (A) Biodegradable Collection from 22 LGUs + (B) Biodegradable to Energy Facility + (C) Sanitary Landfill, in Isabela, Philippine

FS Scheme : Supported by MOE, Japan

“Program for supporting Japanese Companies for Feasibility Study on Waste Management and Recycling in overseas business”

FS period : 2011 ~ 2012



Projects on Waste Management

(3) Project Formulation Survey on Leachate Treatment Technology in Phuoc Hiep Landfill, Ho chi Minh city, Vietnam

Project Scheme : MOFA/JICA SME promotion support

Project period : 2013 - 2014

FS Treatment Capacity : 4 m³/day~



Leachate pond



Projects on Biomass

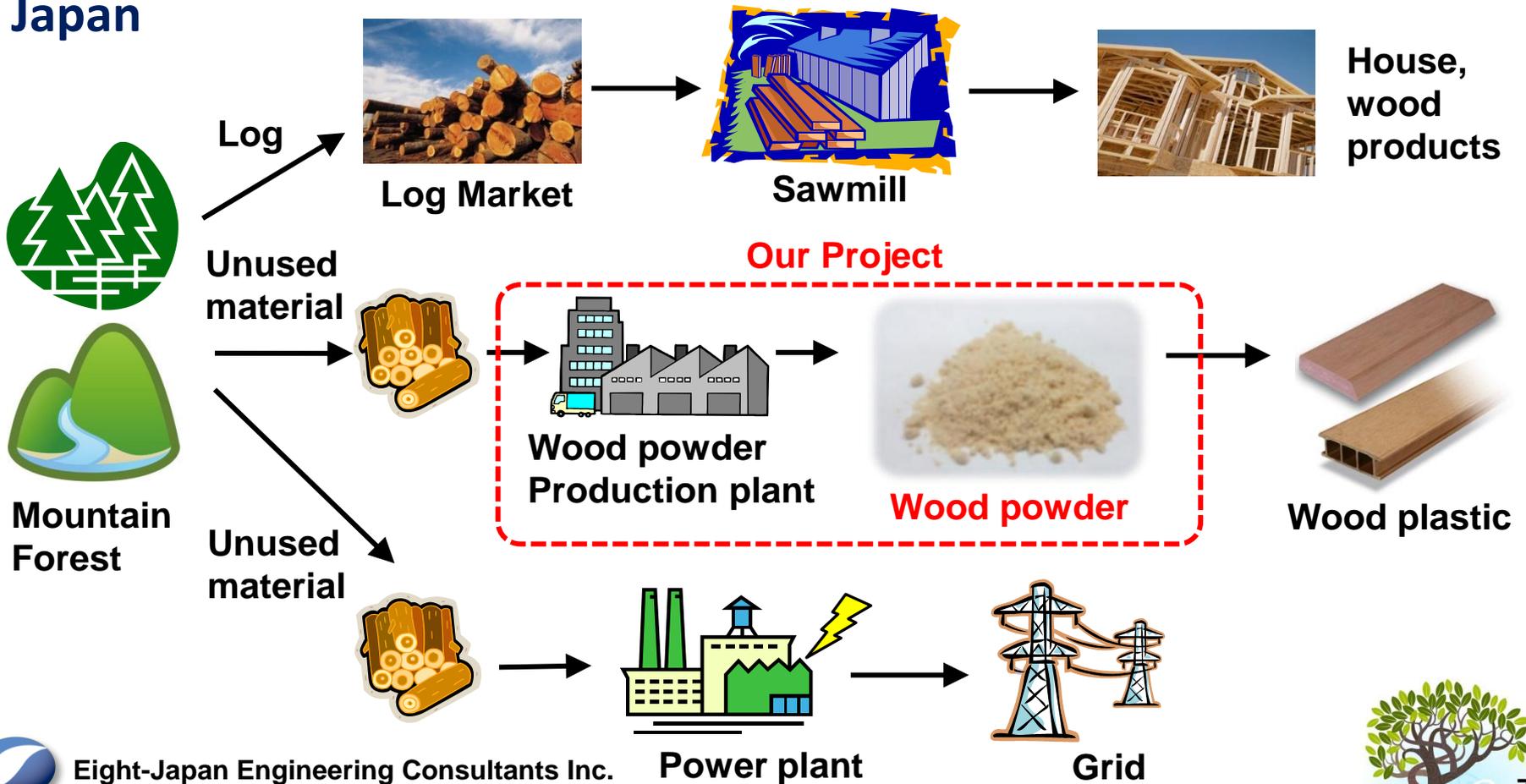
(4) Technical Due Diligence, Investment, Technical Advisory on Rice husk-Fired CHP(Combined Heat & Power Generation) Project in the Philippines

Location	Philippines, La Union, Rosario
Power cap.	1,250kW
Product	Electricity, Steam
Off-taker	Pepsi Cola Philippines
Resource	Rice husk, Wood
Initial cost	US\$ 3 million
Period	2011 to 2020 (10years)
Scheme	Private-BOT with Pepsi Cola Phil
Remarks	Registered as RE project in the Philippines



Projects on Biomass

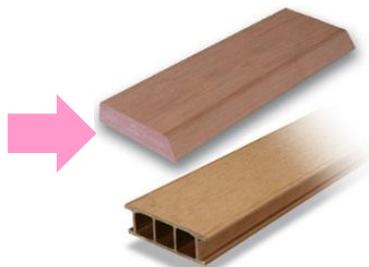
(5) Feasibility Study, Project Structuring, Investment, and Project management on Wood powder production Project in Tokushima, Japan



Projects on Biomass



Wood powder



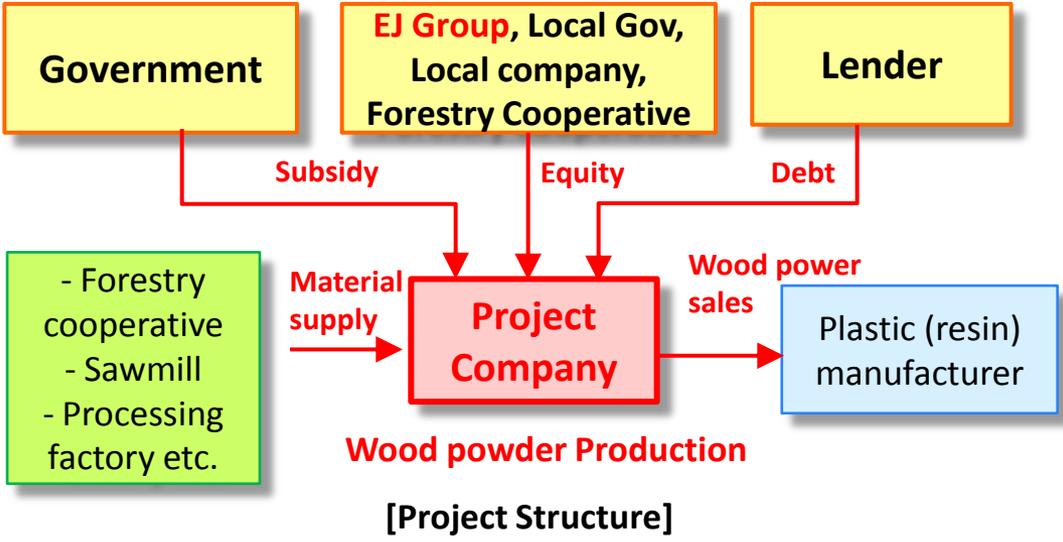
Wood plastic



Garden exterior

Park facility

Building exterior



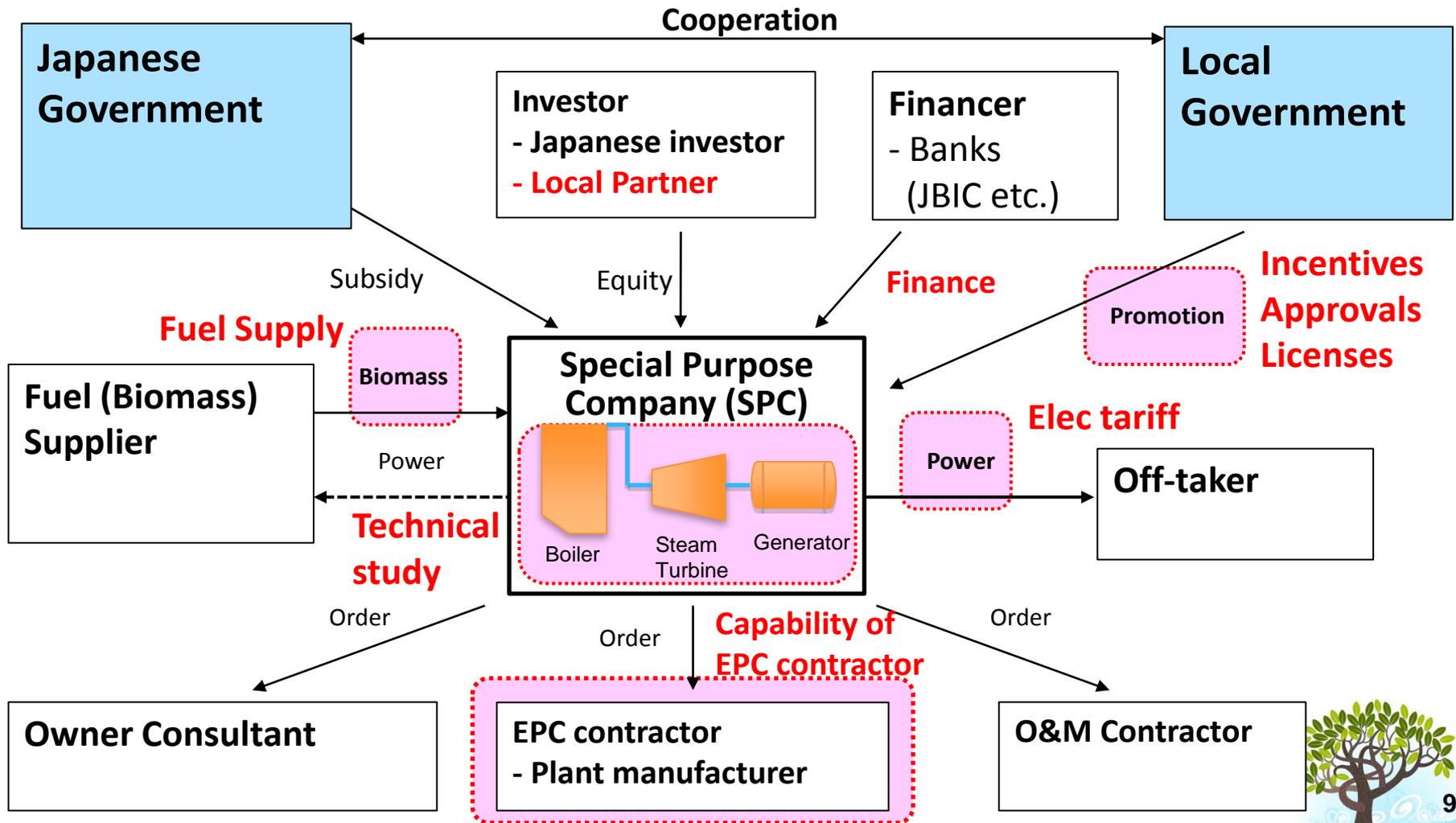
“New Forest Industry Park”

Operation start: Dec 2014, Capacity: 1,000 tons/year



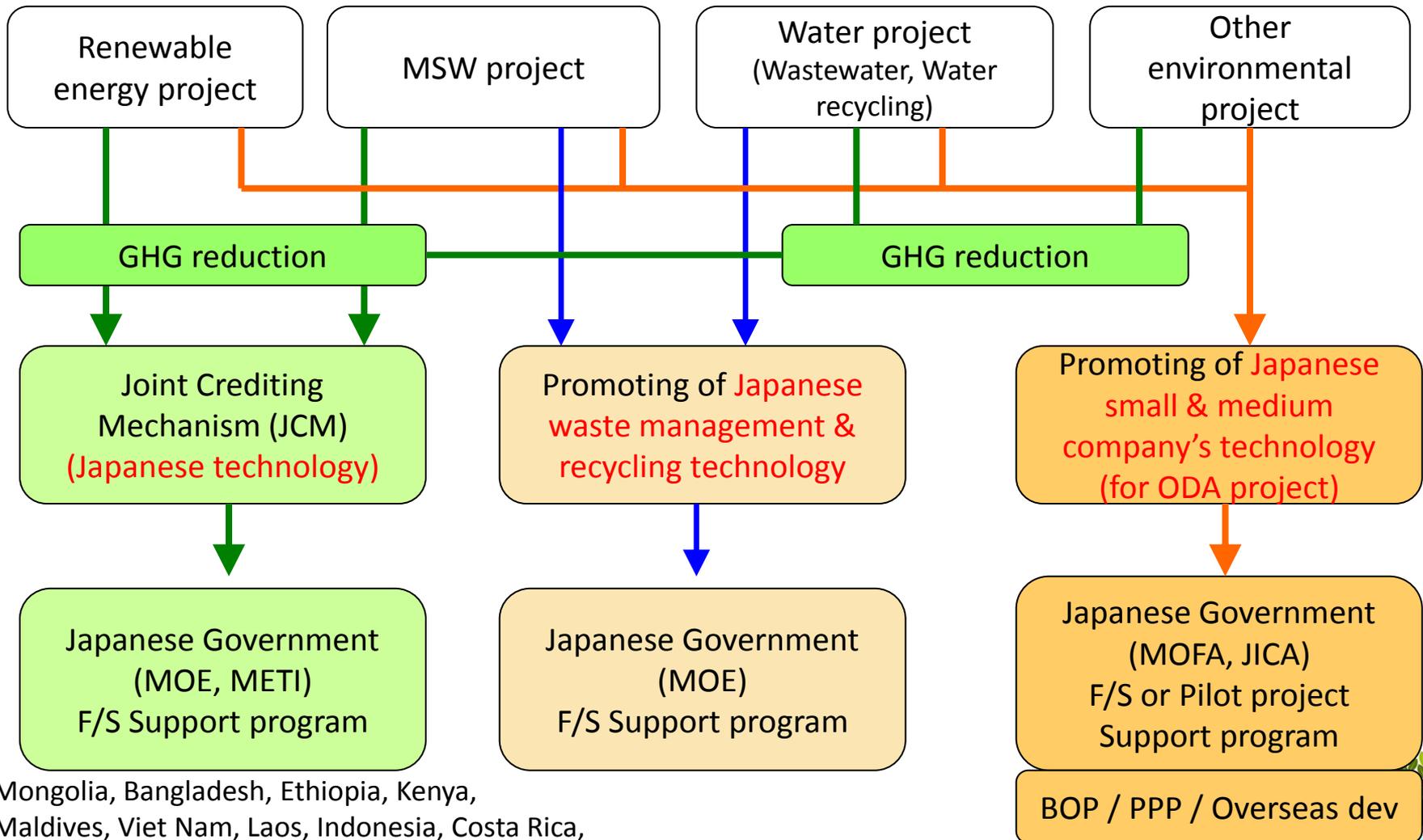
Summary

(1) Lessons and Barriers from project experience and needs



Summary

(2) Various support from Japan



Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Viet Nam, Laos, Indonesia, Costa Rica, Palau, Cambodia, Mexico

For the Green Mekong....

Thank you for your attention!!



Eight-Japan Engineering Consultants Inc.

Bangkok Representative Office

Taisuke Odera

oodera-ta@ej-hds.co.jp

