

Low Carbon Technology Workshop 2013

Ulaanbaatar, Mongolia

Overview of technology aspects of NAMAs in a MRV manner

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Outline of the Presentation

1. Background of the Low Carbon Technology Workshop
 - NAMAs in a MRV manner
 - the Joint Crediting Mechanism (JCM)
2. Expectations to the Workshop

1. Background of the Low Carbon Technology Workshop

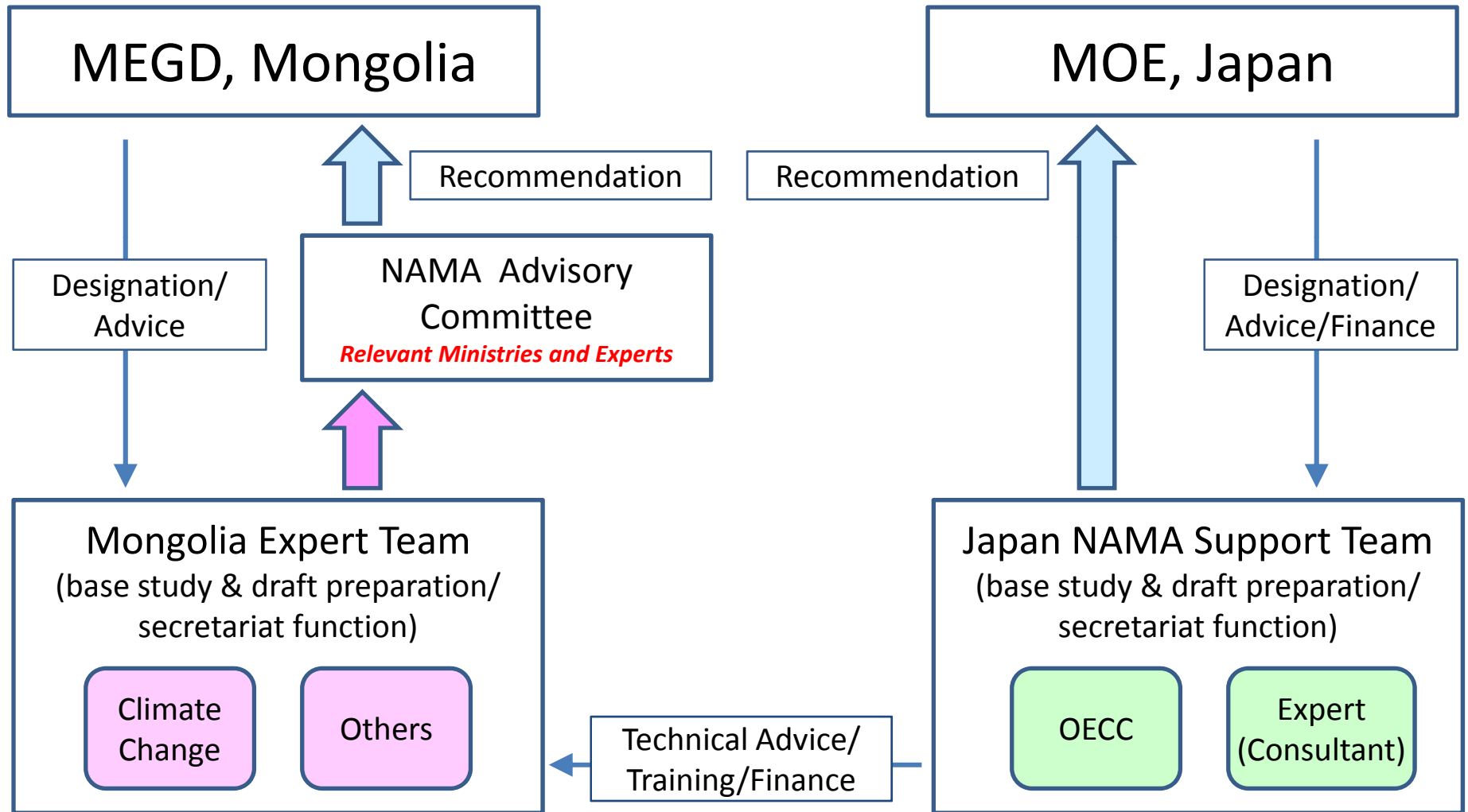
NAMAs in a MRV manner



United Nations
Framework Convention on
Climate Change

- Non-annex I countries (including Mongolia) is expected to voluntarily contribute to mitigation to climate change through Nationally Appropriate Mitigation Actions (NAMAs).
- For NAMAs, non-annex I countries (including Mongolia) will be supported by technology, finance, and capacity-building.
- Mongolia submitted its NAMAs to the UNFCCC, including
 - Energy supply
 - Energy efficiency improvement in industries
 - Promotion of fuel efficient vehicles
 - Increased cattle productivity
 - Improved forest management
- MEDG and MOEJ started capacity-building cooperation since 2012 in the energy supply sector

Institutional Arrangement



Process of the survey to find the useful technologies for NAMAs

<1> Picking-up appropriate technologies from long-list and other source

<2> Short-listing

Long list → Short list

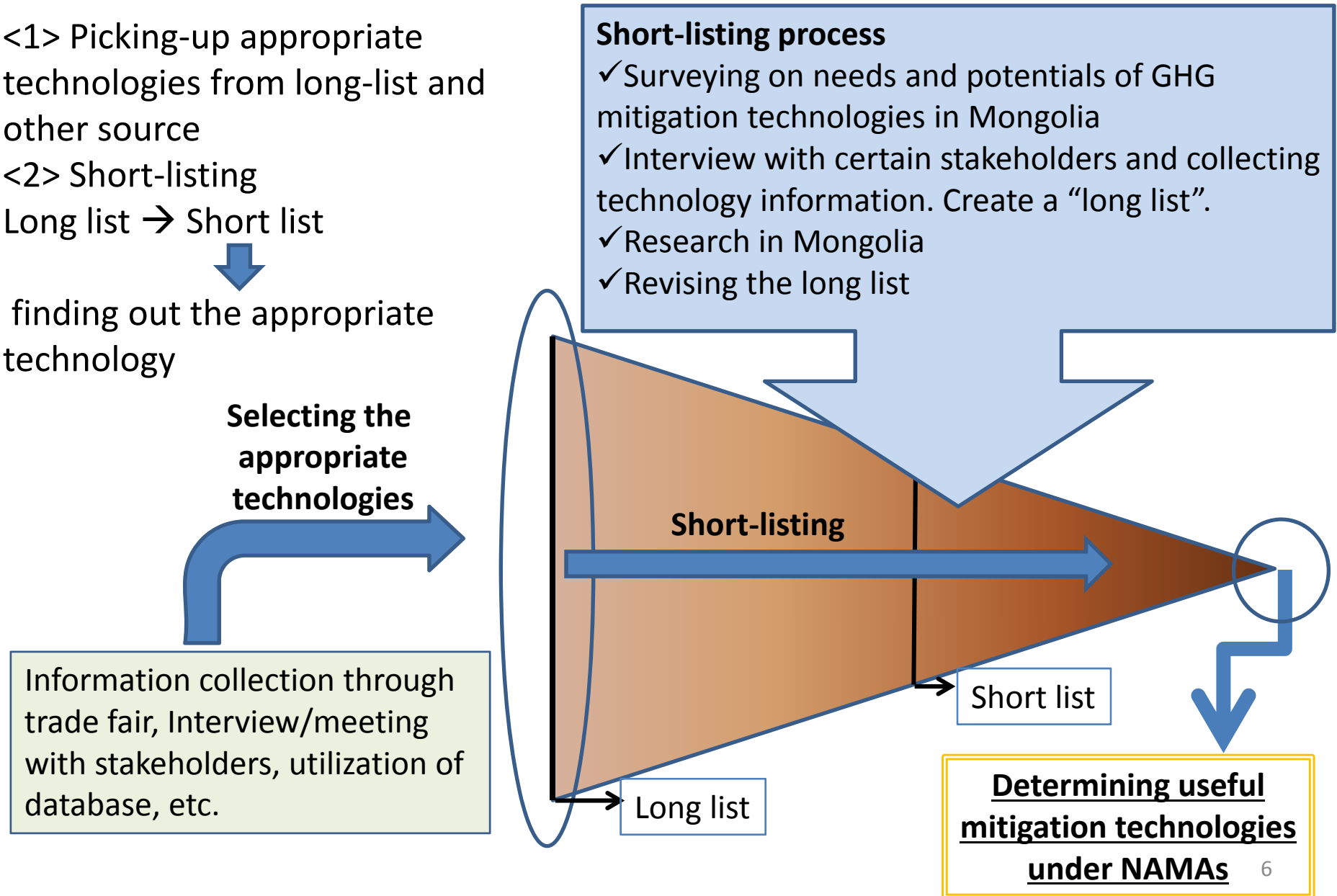
finding out the appropriate technology

Selecting the appropriate technologies

Information collection through trade fair, Interview/meeting with stakeholders, utilization of database, etc.

Short-listing process

- ✓ Surveying on needs and potentials of GHG mitigation technologies in Mongolia
- ✓ Interview with certain stakeholders and collecting technology information. Create a “long list”.
- ✓ Research in Mongolia
- ✓ Revising the long list



Determining useful mitigation technologies under NAMAs 6

Efforts to address needs for technology transfer

Study Tour to Japan

- ◆ Studying technologies useful for NAMAs
- ◆ Coordination between Mongolia and Japan for mitigation action seeds development
- ◆ Hands-on experience of mitigation technologies



Visit to Power Plant Training Center and Dialogue with Technology Experts

Environmental Technology Mission

- ◆ Identifying TT potential for Mongolia
- ◆ Matchmaking Session
- ◆ Follow up activities in view of applying GOJ's subsidy programmes



Technology WS in Jan 2013 in Ulaanbaatar Match-making between Mongolian stakeholders and Japanese low carbon technology experts.

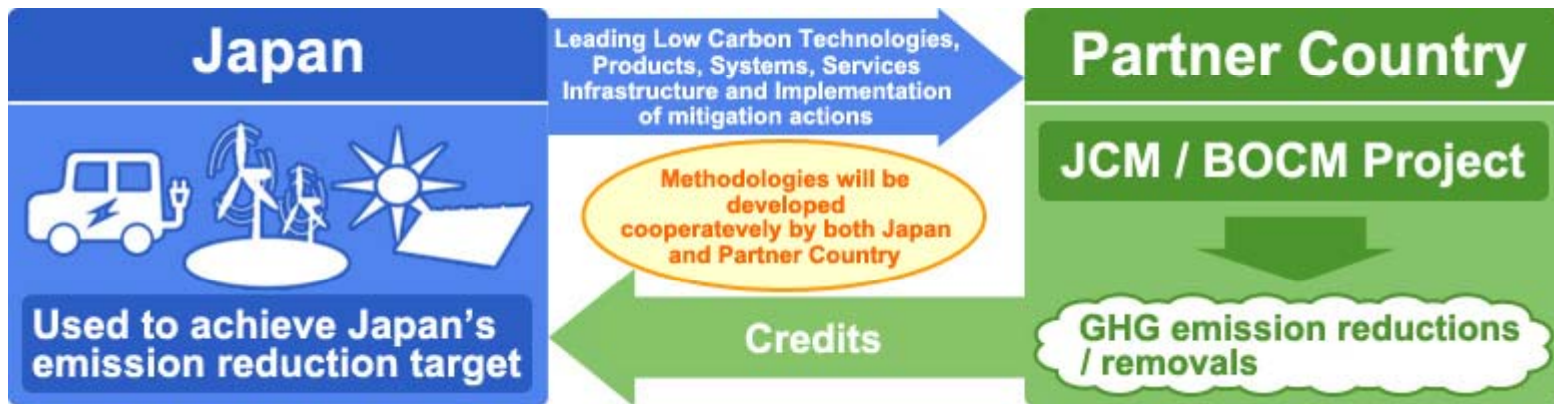


Joint WS for NAMAs by 4 countries

2. Recent development on Joint Crediting Mechanism (JCM) between Mongolia and Japan

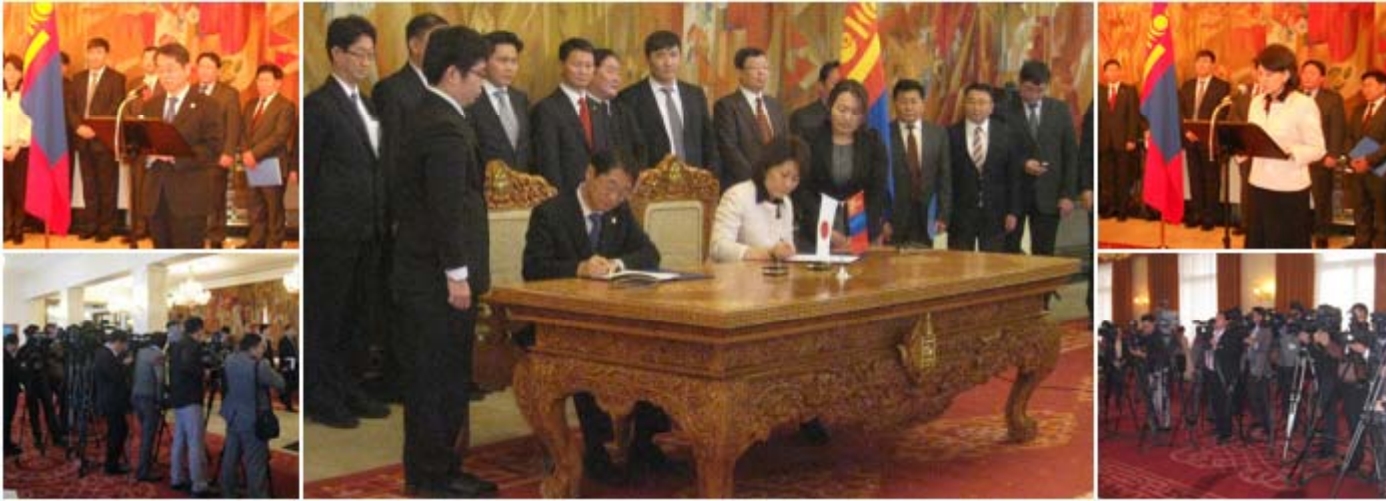
The Joint Crediting Mechanism

- To facilitate diffusion of leading low carbon technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions, and contributing to sustainable development of developing countries.
- To appropriately evaluate contributions to GHG emission reductions or removals from developed countries in a quantitative manner, through mitigation actions implemented in developing countries and use those emission reductions or removals to achieve emission reduction targets of the developed countries.
- To contribute to the ultimate objective of the UNFCCC by facilitating global actions for emission reductions or removals.



Joint Crediting Mechanism

- In January 8, 2013, Mongolia and Japan concluded a Memorandum of Understanding on JCM at Ulaanbaatar.



- April 11, 2013, the 1st Joint Committee (JC) was held by Mongolia and Japan
- May 23, 2013, the JC adopted basic rules (guidelines etc)
- September 25, 2013, the JC adopted document formats (such as application formats for project registration)

http://www.mmechanisms.org/initiatives/mongolia.html#first_jc_docu



FY2013 MOEJ's Initiative on JCM

Menu of Activities

Implementing organizations

Capacity Building

MRV/JCM

- Strengthen the capacities of government officials of Mongolia in the JCM
- Assist the development of MRV methodologies for the JCM in Mongolia
- Support Candidate for Third Party Entity (TPE) for the JCM

Institute for Global Environment Strategies 

NAMAs

- To support identifying BAU and NAMA Scenarios, and NAMA as a potential JCM project
- To support drafting domestic guidelines for a NAMA selection and a MRV, domestic institutional arrangement for NAMA implementation
- Technology Survey on low carbon development and study tour to Japan
- JCM project seeds development


Overseas Environmental Cooperation Center, Japan

Information Platform

- To disseminate information regarding JCM as part of the MOEJ programme to support host countries as well as business operators

Financial Scheme for Project Preparation and Implementation

JCM Project Planning Studies

- 10MW-scale solar power plant and rooftop solar power generation system (Shimizu Corporation)

JCM Methodology Demonstration Studies

- Centralization of heat supply system by installation of high efficiency heat only boiler (HOB) (Suuri-Keikaku Co., Ltd.)

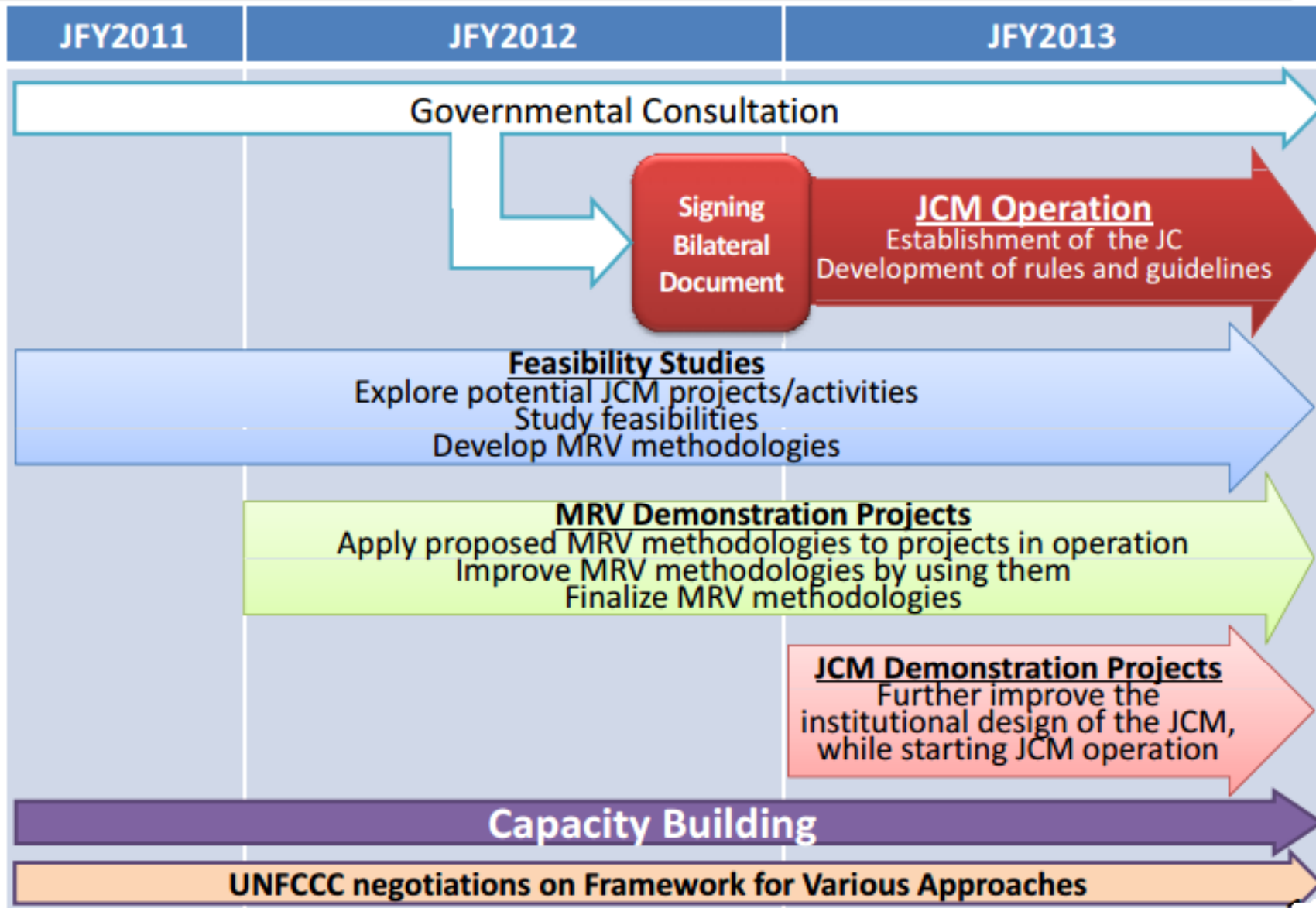
JCM Feasibility Studies

- 10MW-scale solar power generation for stable power supply (myclimate Japan Co. Ltd)
- Energy conservation at cement plant (Taiheiyo Engineering Corporation)
- Improvement of thermal insulation and water cleaning/air purge at power plant (Kanden Plant Co., Inc.)


Global Environment Centre Foundation

3. Expectations to the Workshop

Roadmap for the JCM



Expectations

- To identify and discuss possible measures and technologies under the Nationally Appropriate Mitigation Actions (NAMAs) in the Energy industry/supply sector
- To discuss current government policies and possibilities to link existing policies with NAMAs
- To facilitate networking among Mongolian and Japanese private sector for possible cooperation in the technology transfer
- To discuss further actions needed to implement NAMAs

Positive Results from the January WS

January WS

- More than 200 participants from Mongolia(including Ministries, Private Sector, Academia)
- 5 Japanese companies with technology experts
- Match-making dialogue



MINISTRY OF ENVIRONMENT
AND GREEN DEVELOPMENT

Careful follow up by the MEGD and the OECC



MOEJ/GEC's Subsidy Programme for Feasibility Study

- Project seeds from “match-making dialogue” applied.
- Some of the project seeds were successfully adopted!!

FS Project Name	Mongolian Company	Japanese Company
Energy conservation at cement plant	EREL	Taiheiyō Engineering Corporation
Improvement of thermal insulation and water cleaning/air purge at power plant	CHP 3 and CHP4	Kanden Plant Co., Inc.

Thank you very much!

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