

# Overview of technology aspects of NAMAs in a MRV manner in the energy supply sector

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Principal Researcher

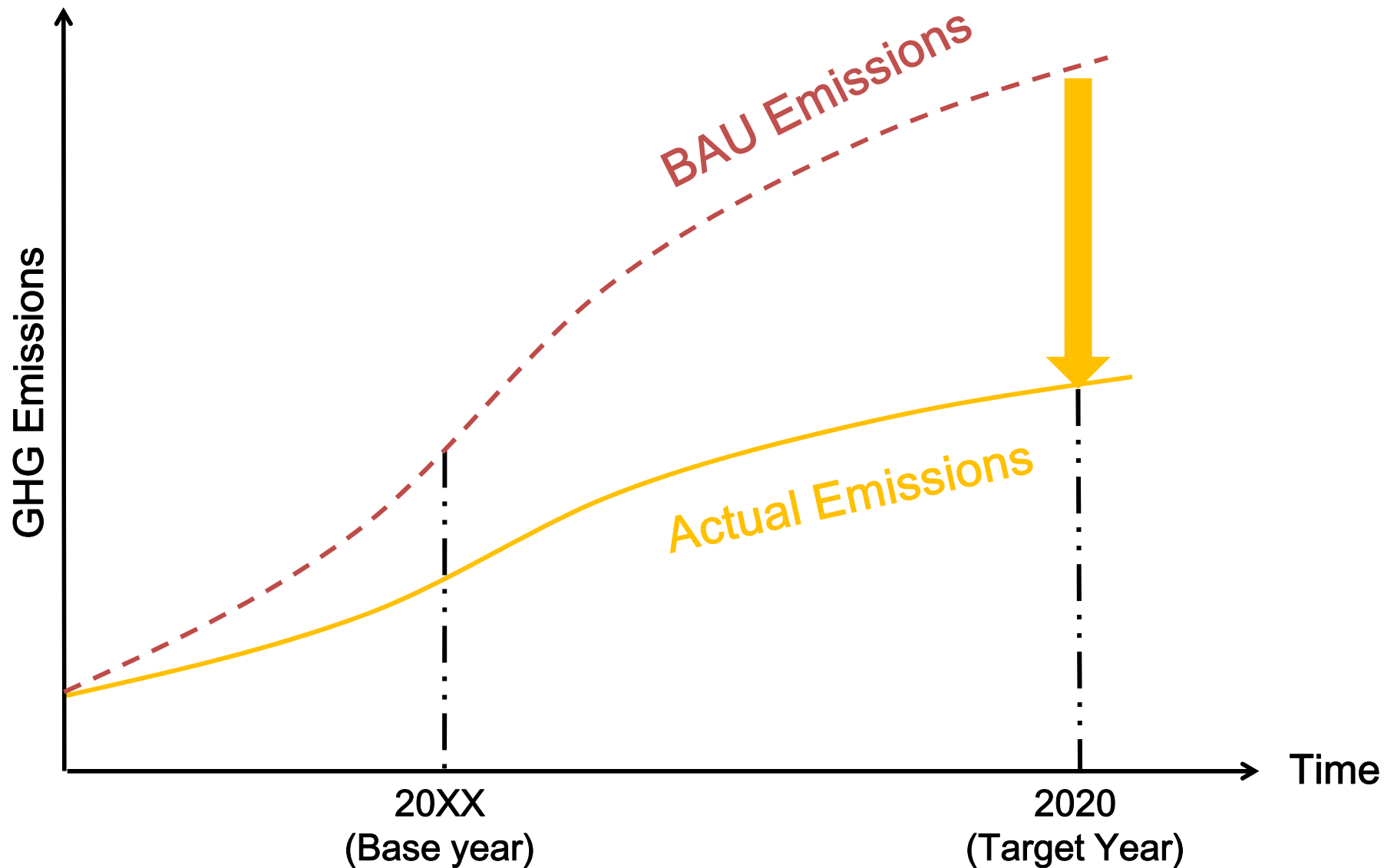
Overseas Environmental Cooperation  
Center, Japan (OECC)

# Outline of the Presentation

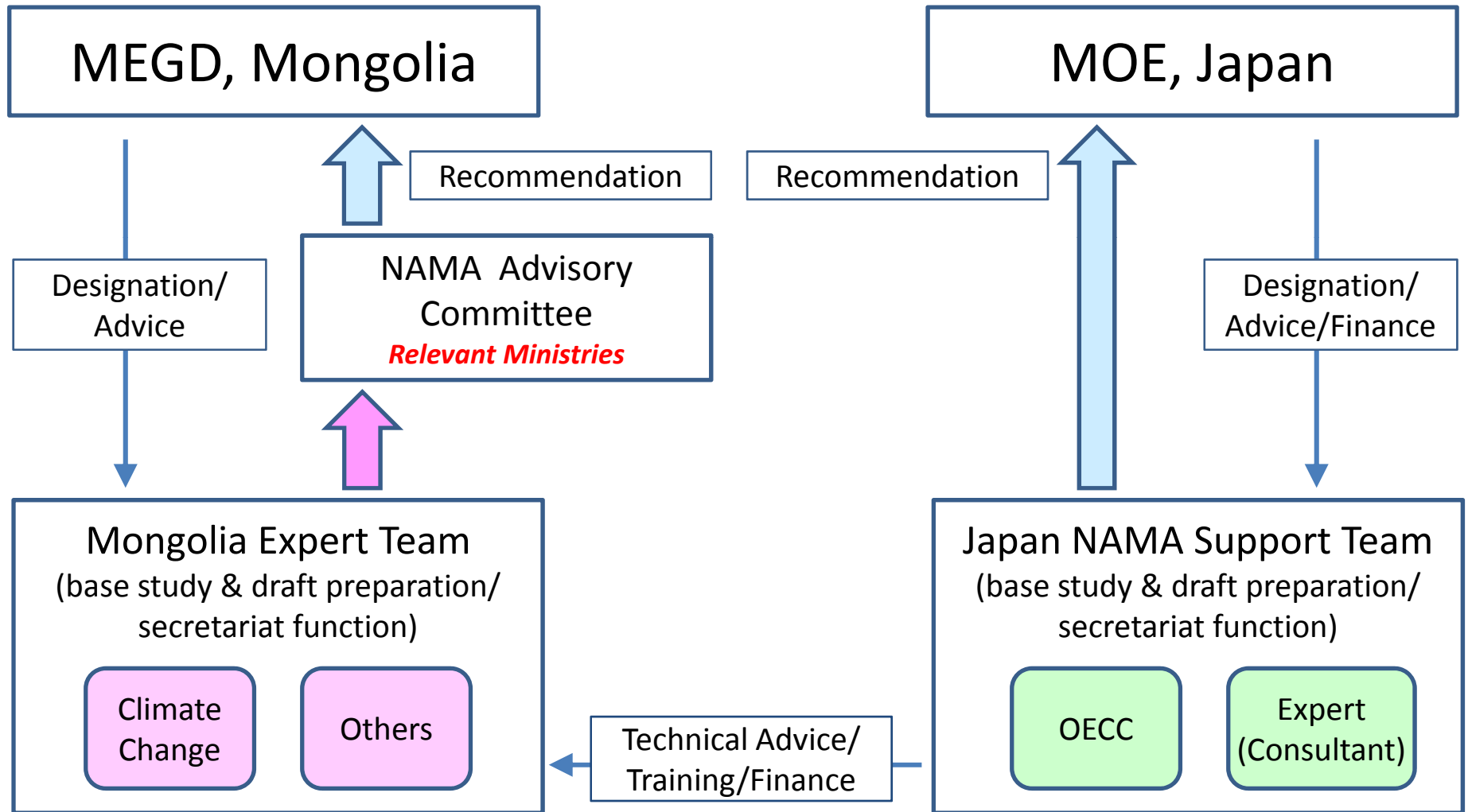
1. Background of the Workshop on environmentally friendly technologies and measures
2. Recent development on Joint Crediting Mechanism (JCM) between Mongolia and Japan
3. Expectations to the Workshop

# 1. Background of the Workshop on environmentally friendly technologies and measures

# An Illustration of NAMAs

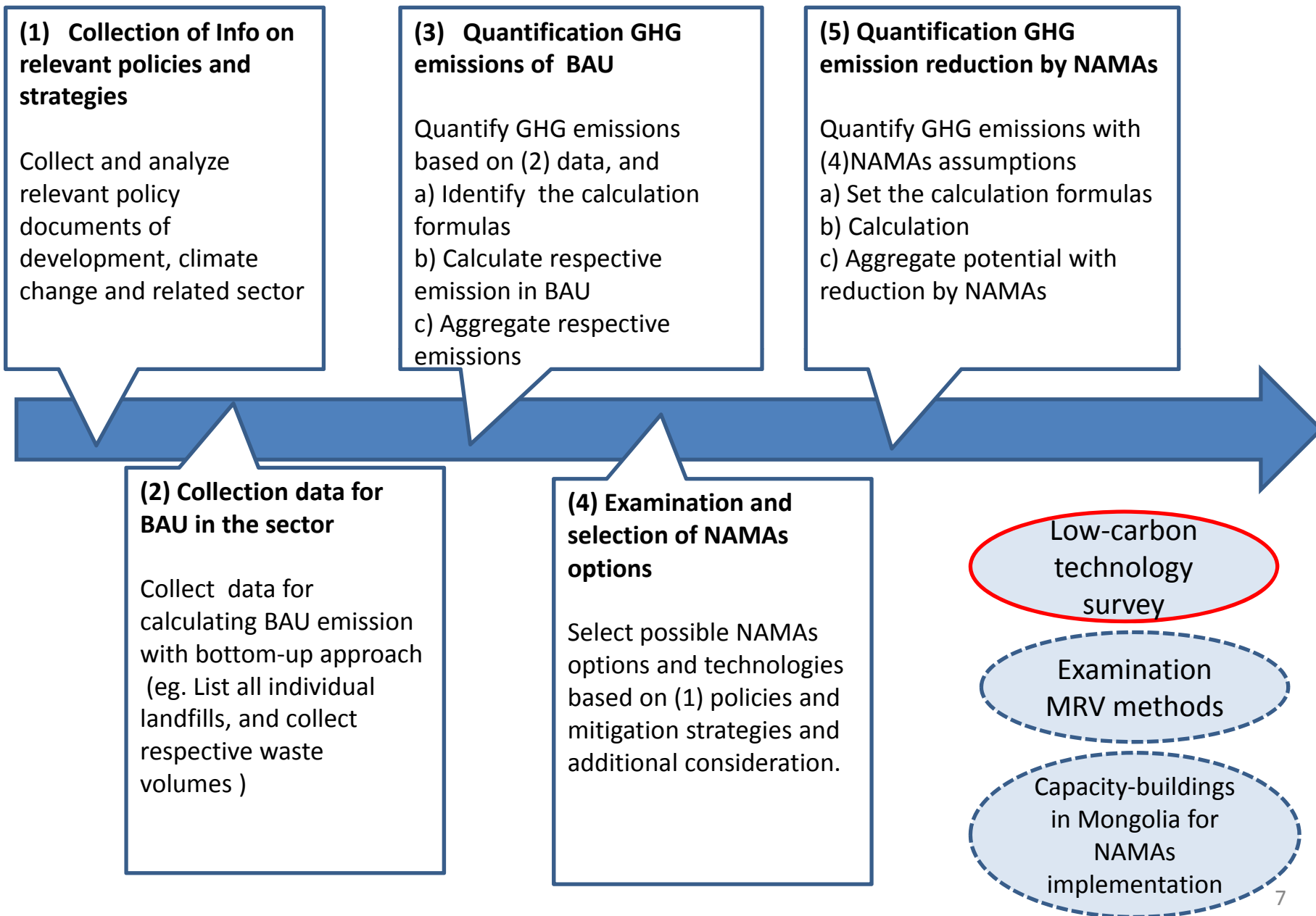


# Institutional Arrangement





## Steps for NAMAs Design



# 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

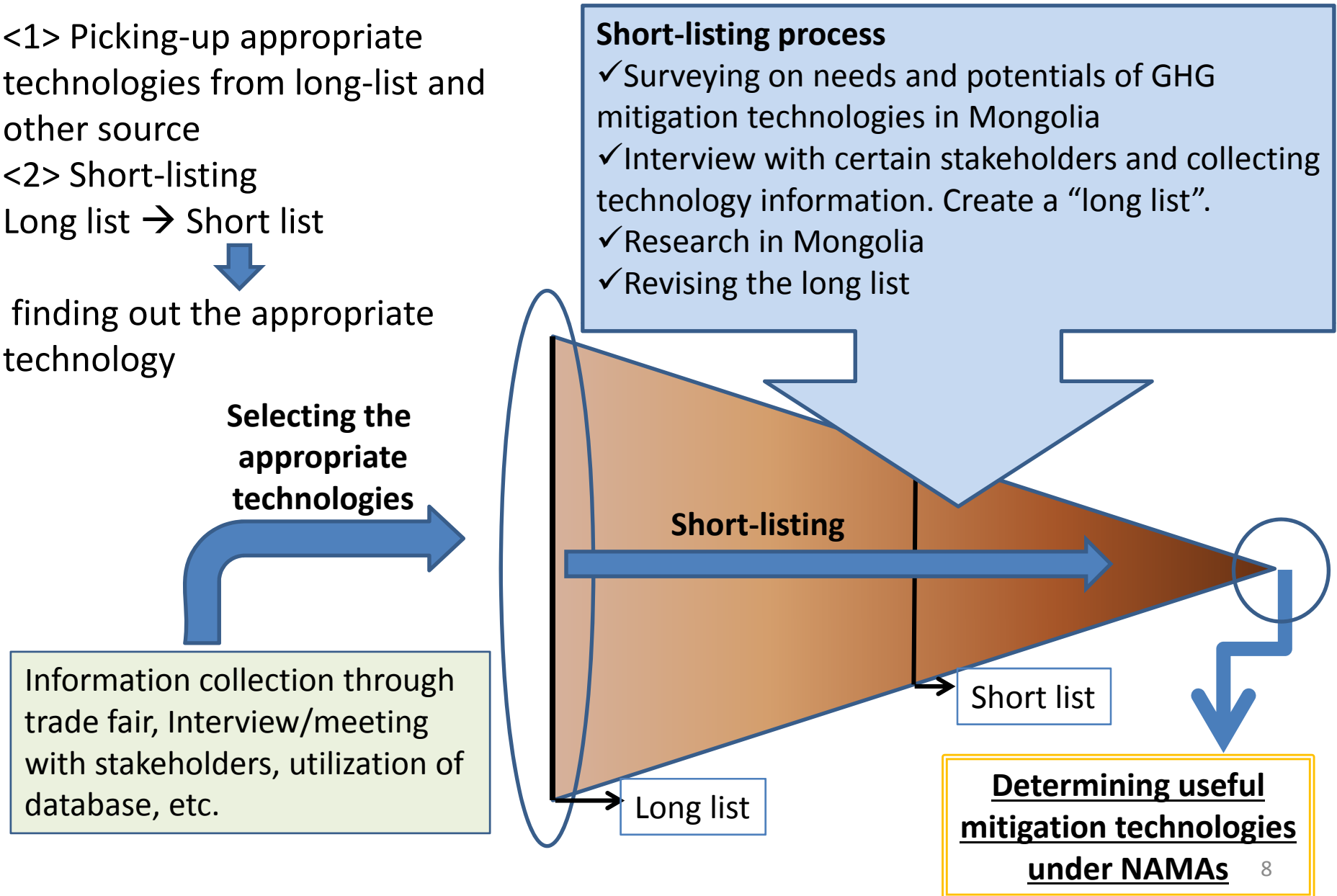
finding out the appropriate technology

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



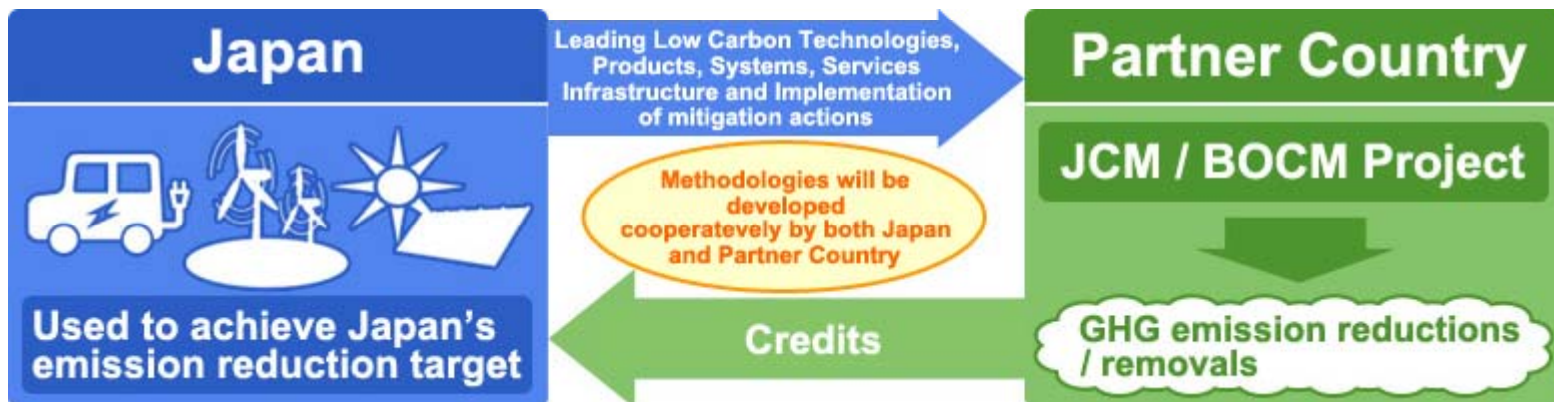
**Determining useful mitigation technologies under NAMAs** 8



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

# Proposed Joint Crediting Mechanism/ Bilateral Offset Credit Mechanism (JCM/BOCM)

- 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.





## Menu of Activities

### Implementation Institutes

#### Capacity Building

##### **MRV/JCM**

- Strengthen the capacities of government officials of Mongolia in new market mechanisms
- Assist the development of MRV methodologies for new market mechanisms in Mongolia
- Identify and develop project ideas for new market mechanisms
- To summarize the experience of implementing clean development mechanism (CDM) and lessons learned in Mongolia



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##### **NAMA**

- To support identifying Reference and NAMA Scenarios, and NAMA as a potential JCM/BOCM project
- To support drafting domestic guidelines for a NAMA selection and a MRV, domestic institutional arrangement for NAMA implementation



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#### Information Platform

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

#### MRV Demonstration Study

- Replacement of Coal-Fired Boiler by Geo-Thermal Heat Pump for Heating (Shimizu Corp.) and Upgrading and Installation of High-Efficient Heat Only Boilers (HOBs) (Suuri-Keikaku)
- ➔ MRV methodologies will be developed, through the MRV practices of model projects.

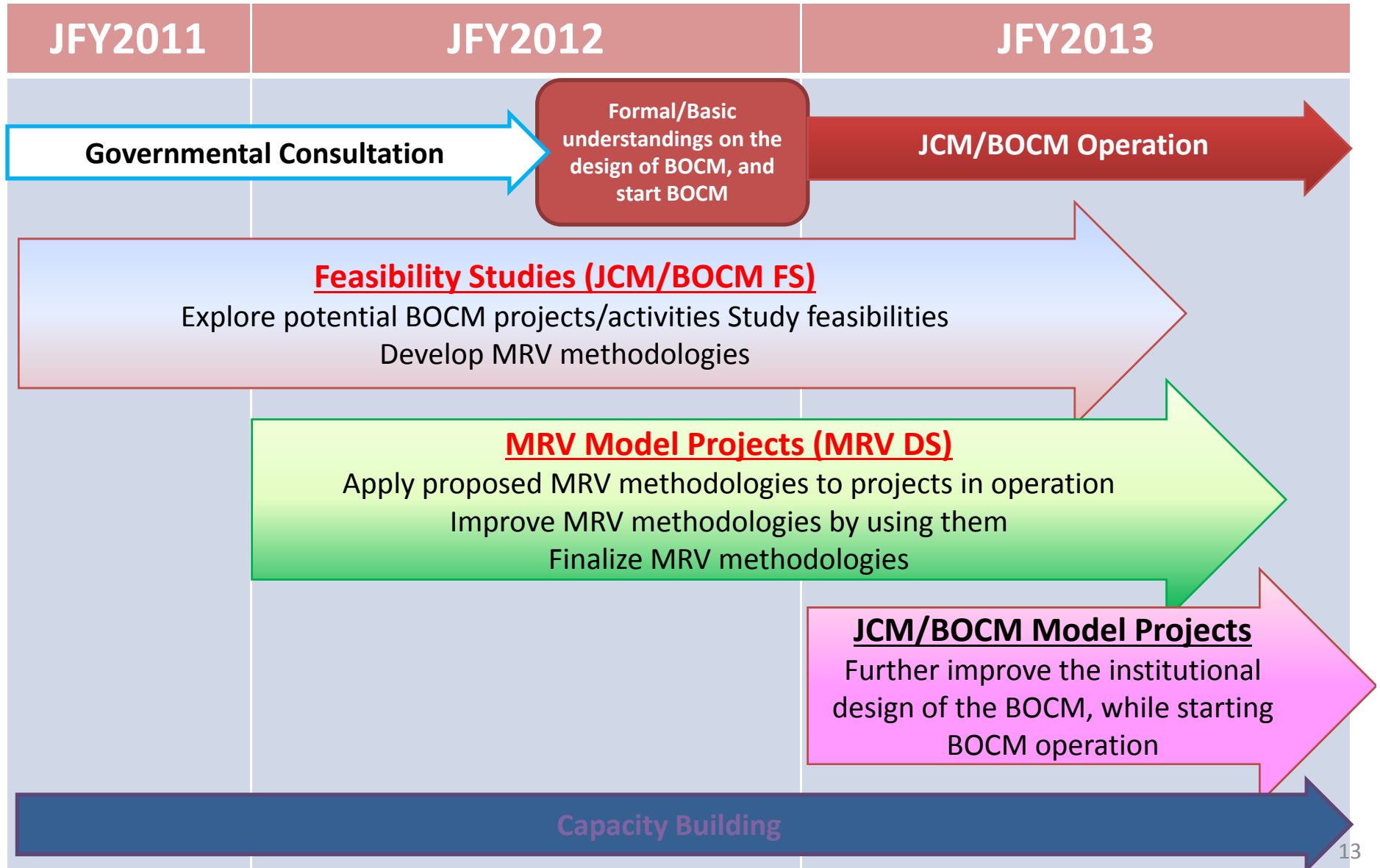


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# **MRV Demonstration Study and JCM/BOCM Feasibility Study in FY2012**

- **Developing streamlined MRV methodologies for JCM/BOCM projects/activities in each study, that should:**
  - **Be simplified, objective and practical, while lowering uncertainty and ensuring environmental integrity**
  - **Accelerate the deployment of low-carbon technologies, products and services, taking into account the national circumstances in host countries**
  - **Facilitate the NAMAs in host countries**
- **Holding consultative meetings on the studies with host countries' governments and relevant organizations**
  - **5 countries including Mongolia in FY2012**
  - **3 countries in FY2011**

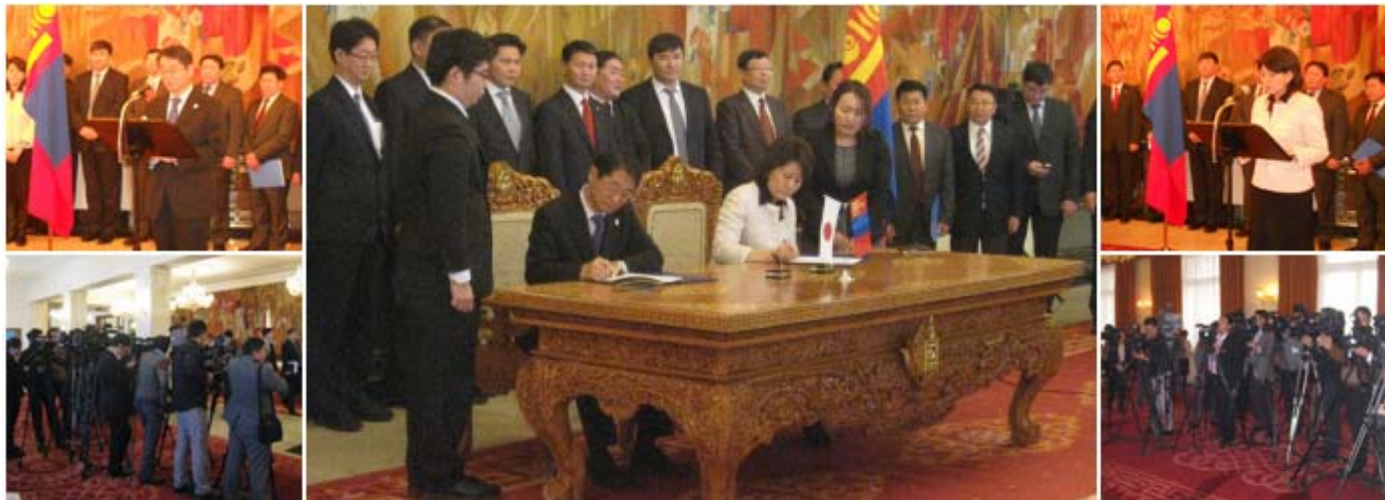
# Schedule on JCM/BOCM



# Joint Crediting Mechanism

At the occasion of COP18 in Doha, Qatar, the Government of Japan and its partner countries, such as Mongolia, Indonesia, Viet Nam, Bangladesh, Cambodia, Lao PDR etc, met in view of early conclusion of an agreement for implementation.

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



Source: New Mechanisms Information Platform:  
[http://www.mmechanisms.org/e/initiatives/130108\\_mongolia.html](http://www.mmechanisms.org/e/initiatives/130108_mongolia.html)

# 3. Expectations to the Workshop

# 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



Thank you very much!

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