Current status of JCM projects in Mongolia and position towards using market mechanisms in its NDC

"Workshop on facilitating the JCM implementation in Asia and Pacific"  
1st March 2017  
Undarmaa Khurelbaatar  
JCM secretariat, CCPIU  
Ministry of Environment and Tourism

INTERNATIONAL
Mongolia ratified
1. UNFCCC in 1993  
2. Kyoto Protocol in 1999  
4. Paris Agreement in 2016

DOMESTIC
Laws:
2. Law on Air (2010)  
3. Law on Air Pollution Payment (2010)  
4. Law on Air Pollution Reduction of the Capital City (2011)

Long term sustainable development programs:
1. The Mongolian Action Program for the 21st Century (MAP 21)  
2. The MDG-based Comprehensive National Development Strategy of Mongolia

Mid term programs:
1. National Action Program on Climate Change (2011)  
**INSTITUTIONAL ARRANGEMENT**

- **Ministry of Environment and Tourism (MET)**
- **Nature Conservation Fund**
- **Climate Change and International Cooperation department**
- **Climate Change Project Implementing unit (CCPIU)**
  - **TNC**
  - **BUR**
  - **JCM Secretariat**

**National Action Program on Climate Change (NAPCC)**

*Mitigate GHG emissions step by step and create basis for transiting to low carbon economy through introduction of environmentally friendly technologies and improvement of productivity and efficiency*

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**2nd Phase (2017-2021)**

- Best available measures and activities for climate change adaptation will be implemented.
- Sustainable implementation of actions to decelerate growth of GHG emissions will begin.

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**Road to LCDP**

- Governmental consultation (Ulaanbaatar - 3 July 2012)
- Governmental consultation (Tokyo - 1 November 2012)
- Governmental consultation (Doha - 30 November 2012)
- Joint Statement (Doha - 6 December 2012)

**Signing of the “Low Carbon Development Partnership” (bilateral document for the JCM)**

(Ulaanbaatar - 8 January 2013)

**Start of “JCM”**

- **JCM first Joint Committee meeting** (Ulaanbaatar - 11 April 2013)
- **JCM second Joint Committee meeting** (Ulaanbaatar - 20 February 2014)
- **JCM third Joint Committee meeting** (Ulaanbaatar - 30 June 2015)
- **JCM fourth Joint Committee meeting** (Ulaanbaatar - 30 Sep 2016)

**Joint Committee**

- **Mongolia**
  - Co-Chair
  - Members (7 Ministries and UB City Authority)
  - Secretariat

- **Japan**
  - Co-Chair
  - Members (2 Ministries and Japanese Embassy in Mongolia)
  - Secretariat
Approved Methodology

**MN_AM001** (20 Feb, 2014)
Installation of energy-saving transmission lines in the Mongolian Grid

**MN_AM002** (30 Jan, 2015)
Replacement and Installation of High-Efficient Heat Only Boilers (HOBs) for Hot Water Supply Systems

**MN_AM003** (30 Sep, 2016)
Installation of Solar PV System

**Registered projects**

**MN001** (30 Jun, 2015)
Installation of high-efficiency Heat Only Boilers in 118th School of Ulaanbaatar City Project (*50ton/CO2 eq CER*)

**MN002** (30 Jun, 2015)
Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum Project (*107ton/CO2 eq CER*)

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**JCM PROJECTS in MONGOLIA (2016-2017)**

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**POTENTIAL JCM PROJECTS IN MONGOLIA FOR 2017**

- **Project outline - 20MW Solar Project in Darkhan**
  - **1. Representative entity**: Sharp corporation
  - **2. Partner entity**: Darkhan Selenge Electricity Distribution Network, Darkhan Solar
  - **3. Location of the project**: Darkhan
  - **4. Installation capacity**: 20MW
  - **5. Project schedule**: COD December 2017

- **Project outline - 10MW Solar Project in Myangad**
  - **1. Representative entity**: Sharp corporation
  - **2. Partner entity**: Altai Trest Co., Ltd. (New Progress Group), Thermalmegwatts Co., Ltd. (*100% subsidiary/SPC of Altai Trest*
  - **3. Location of the project**: Myangad
  - **4. Installation capacity**: 10MW
  - **5. Project schedule**: COD December 2017

**CAPACITY BUILDING: BILATERAL COOPERATION WITH MINISTRY OF ENVIRONMENT, JAPAN**

- Project Formulation Study through City-to-City Cooperation in Ulaanbaatar, Mongolia (2016-2017)

**To implement NAMA and JCM successfully in Mongolia, capacity building and detailed feasibility studies are IMPORTANT**

**To support new mechanism feasibility studies and MRV demonstration studies, implement demonstration projects (since 2011)**
There are several barriers regarding the implementation of JCM in Mongolia (Technical barriers (e.g. methodology development, monitoring, validation and verification), Institutional barriers (e.g. lack of information, inter-ministerial coordination etc), Financial barriers (e.g. upfront investment, appropriate financing scheme), Finding appropriate partners is challenging (Japanese and Mongolian))

However there are opportunities for GHG mitigation in Mongolia

Market mechanisms are efficient/preferred way to mitigate GHG emission in Mongolia

International and Bilateral cooperation is necessary to promote existing as well as emerging alternative/new mechanisms in Mongolia to fulfill its NDC’s mitigation contribution.
Thank you for your attention!