



MINISTRY OF ENVIRONMENT  
AND TOURISM



## 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"

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Tourism

## POLICIES AND PROGRAMS RELATED TO GHG MITIGATION

### INTERNATIONAL

Mongolia ratified

1. UNFCCC in 1993
2. Kyoto Protocol in 1999
3. Energy Charter Treaty and Protocol on Energy Efficiency and Related Environmental Aspects in 1999
4. **Paris Agreement in 2016**

### DOMESTIC

Laws:

1. Renewable Energy Law (2007)
2. Law on Air (2010)
3. Law on Air Pollution Payment (2010)
4. Law on Air Pollution Reduction of the Capital City (2011)

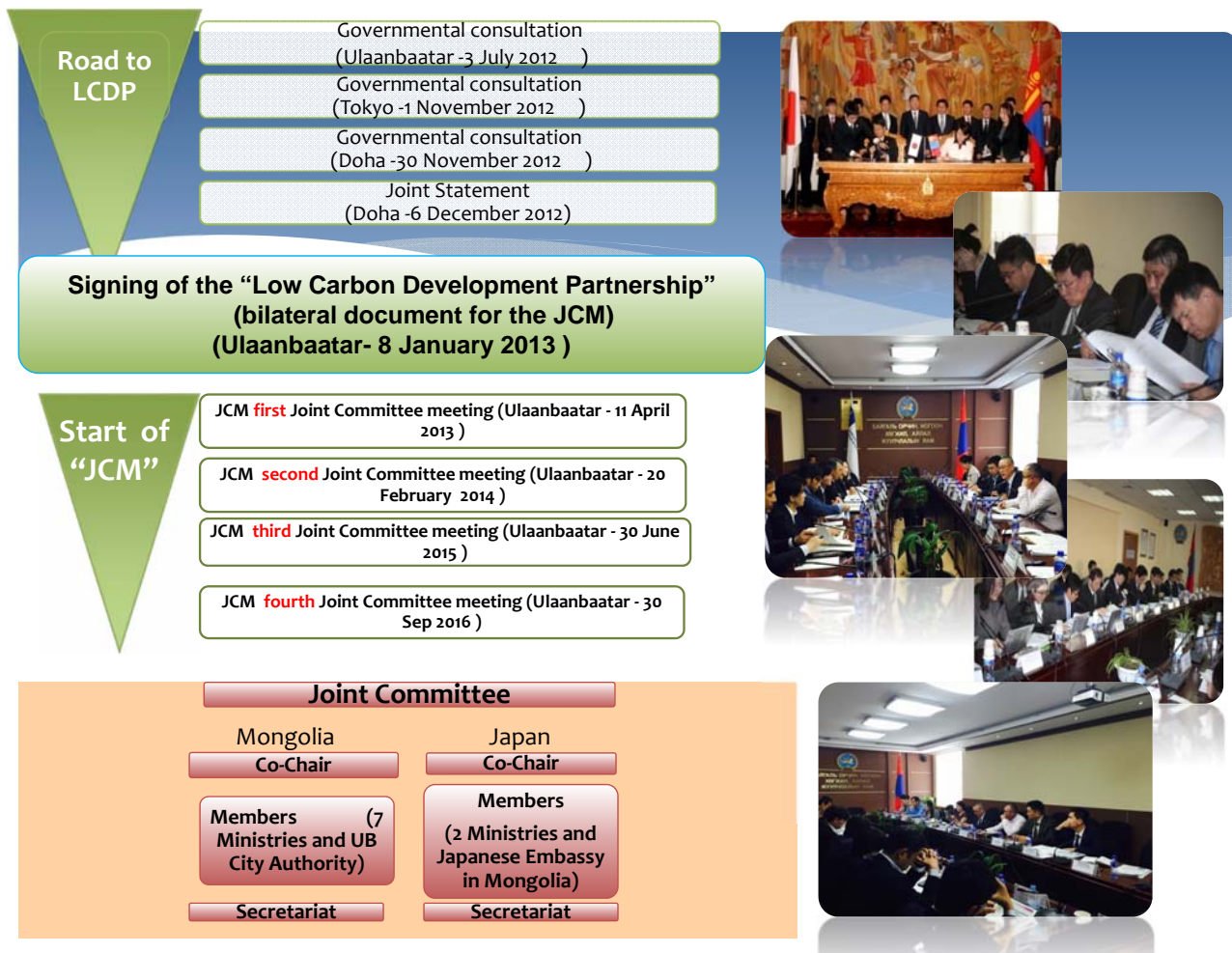
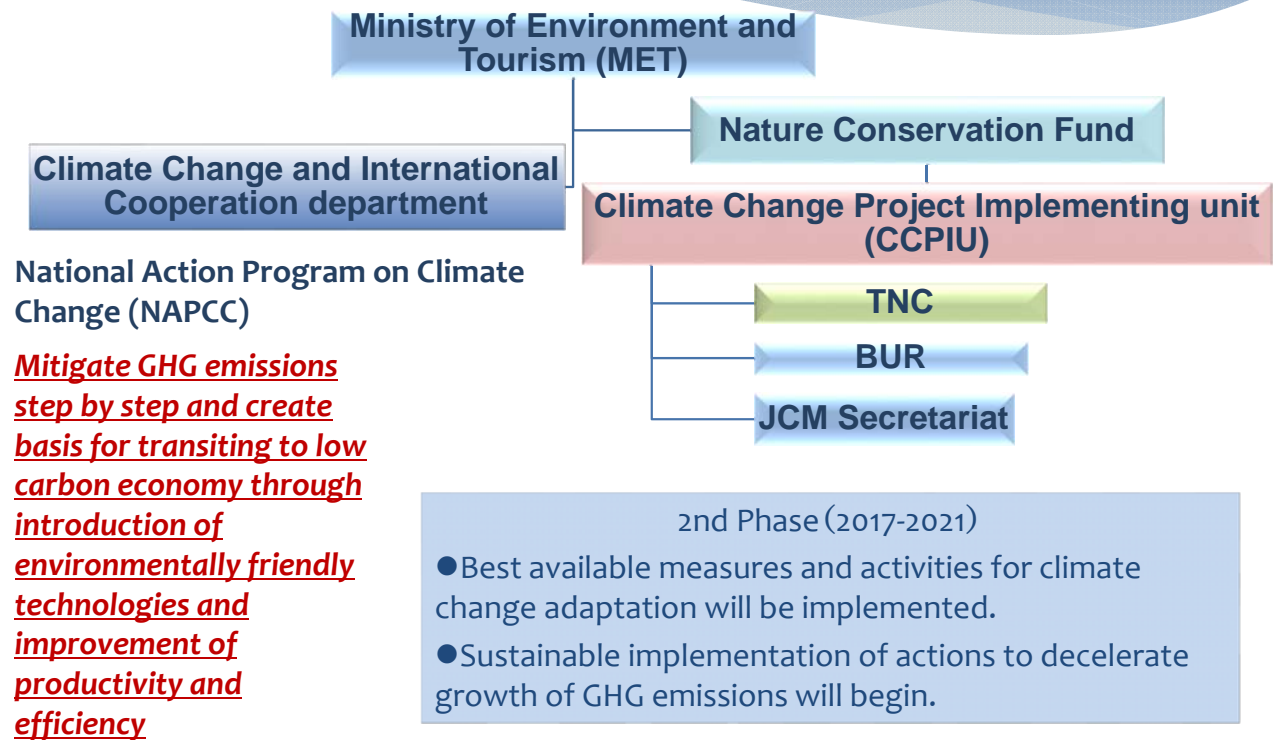
Long term sustainable development programs:

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)
2. National Renewable Energy Program (2005)
3. New Reconstruction Mid-term (development) Program (2010)

# INSTITUTIONAL ARRANGEMENT



## 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/CO<sub>2</sub> eq CER**)

**MN002** (30 Jun, 2015)  
Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum Project (**107ton/CO<sub>2</sub> eq CER**)

## JCM PROJECTS in MONGOLIA (2016-2017)

Project type	Project title	Sector scope	Support
Model project	10MW Solar Power Project in Darkhan City	Energy (EE)	MoEJ/GEC
Model project	Installation of 2.1MW Solar Power Plant for Power Supply in Ulaanbaatar Suburb	Energy (RE)	MoEJ/GEC
Model project	Installation of 8.3MW Solar Power Plant in Ulaanbaatar suburb Farm	Energy (RE)	MoEJ/GEC



## POTENTIAL JCM PROJECTS IN MONGOLIA FOR 2017

### \* Project outline - 20MW Solar Project in Darkhan

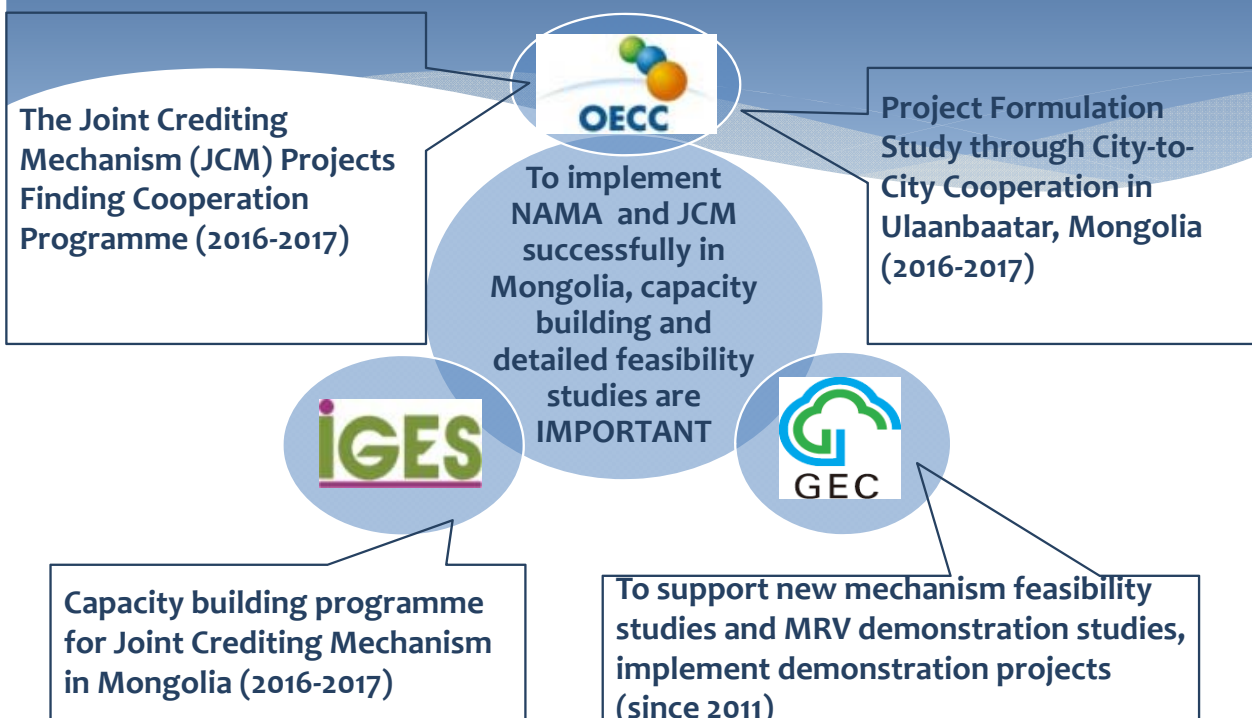
- \* 1. **Representative entity** : Sharp corporation
- \* 2. **Partner entity** :
  - \* -Darkhan Selenge Electricity Distribution Network Company (DSEDN)
  - \* -Darkhan Solar
- 3. **Location of the project:** Darkhan
- \* 4. **Installation capacity** : 20MW
- \* 5. **Project schedule** : COD December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

### \* Project outline -10MW Solar Project in Myangad

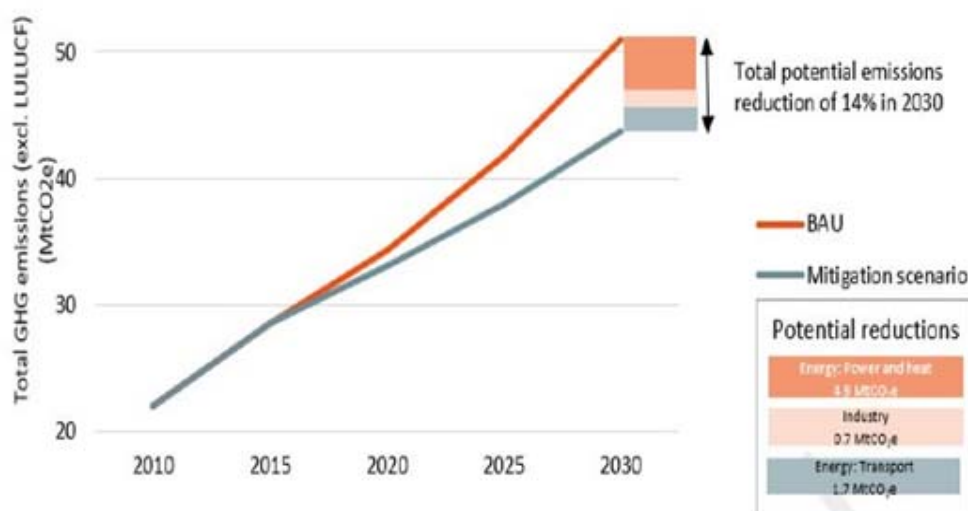
- \* 1. **Representative entity** : Sharp corporation
- \* 2. **Partner entity** :
  - \* - Altai Trest Co., Ltd. (New Progress Group)
  - \* - Thermalmegwatts Co.,Ltd. \*100% subsidiary/SPC of Altai Trest
- 3. **Location of the project:** Myangad
- \* 4. **Installation capacity** : 10MW
- \* 5. **Project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



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



## MONGOLIA'S INTENDED NATIONAL DETERMINED CONTRIBUTION (INDC)



- Mongolia submitted its INDC to UNFCCC in September, 2015
- Main goal is reduce GHG emission by 14% in 2030 comparing to 2010

## CONCLUSION

- \* 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!



Photo by Undarmaa Khurelbaatar 2016