UNFCC Regional Dialogue on NDCs for Asia and Arab states:
NDC elaboration and Wind solutions

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Outline

- The Paris Agreement’s ambition mechanism
- The overview of NDC development process in Mongolia
  - Planning of Mitigation ambition
- RE Projects implemented by CDM
- Salkhit Wind Farm / Clean Energy Co., Ltd
- Clean Development Mechanism
The Paris Agreement’s ambition mechanism

Mongolia submitted its INDC on 24th of September 2015

Source: Roeser et al. (NCI), 2017
Overview of NDC elaboration process in Mongolia

Capacity Development for climate policy in the countries of South East, Eastern Europe, the South Caucasus and Central Asia, Phase III (CDCP III)

**Financed by:** Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

**Implemented by:** Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) in cooperation with the NewClimate Institute

**Duration:** 6/2017 bis 02/2021

**Implementation mode:**

A) Individual cooperation projects in up to 19 countries of the project region

B) Comprehensive, long term cooperation with up to four partner countries including Georgia and Mongolia

**Partner Institution:**

- Ministry of Environment and Tourism (MET) of Mongolia
- Environment and Climate Fund (ECF) of Mongolia
Planning of Mitigation Ambition

Technical process (sectoral level)

1. Review of current policies and implementation status
   - AUG 2018

2. Stakeholder consultations & analysis of sectoral potentials to raise mitigation ambition
   - SEP 2018

3. Compilation of sectoral results, mitigation options and potentials
   - DEC 2018

4. Quantification and scenario modelling of mitigation efforts to obtain total emission reduction target
   - MAR 2019

5. Draft of NDC document
   - JUN 2019

6. Draft of NDC document
   - DEC 2019

Source: Roeser et al. (NCI), 2017
## RE Projects implemented by CDM

<table>
<thead>
<tr>
<th>Registry</th>
<th>Project name and capacity (MW)</th>
<th>Project implementing country</th>
<th>Co-implementing country</th>
<th>Implementation period</th>
<th>Annual reduction, tCO₂/year</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Mar 2007</td>
<td>Taishir HPP (11 MW)</td>
<td>Mongolia</td>
<td>Japan</td>
<td>Crediting period: 2008-2015 Project duration: 50 years</td>
<td>29,600 Credit issued &amp; normal operation</td>
</tr>
<tr>
<td>23 Mar 2007</td>
<td>Durgun HPP (10 MW)</td>
<td>Mongolia</td>
<td>Japan</td>
<td>Crediting period: 2007-2014 Project duration: 100 years</td>
<td>30,400 Credit issued &amp; normal operation</td>
</tr>
<tr>
<td>30 Mar 2012</td>
<td>Salkhit WPP (49.6 MW)</td>
<td>Mongolia</td>
<td>Sweden</td>
<td>Crediting period: 2013-2020</td>
<td>178,778 Credit issuing &amp; normal operation</td>
</tr>
</tbody>
</table>
Salkhit Wind Farm

Save 122 thousand tons of raw coal
Save 1.6 million tons of clean water
180 ktons of CO₂ reduction
Air pollution reduction

Source: Clean Energy Co., Ltd, 2018
**Salkhit Wind Farm**

- The average wind speed 8.2m/s
- Generates 140-170 mln kWh green energy per year
- Supply electricity to ca. 80,000 households annually
- Internal demand up to 3% of total production

**Investors:**
- NewCom group
- General Electric Capital
- European Bank for Reconstruction and Development
- Netherlands Development Financing Corporation

Source: Clean Energy Co., Ltd, 2018
Clean Development Mechanism (CDM)

Registered to UNFCCC

10 Nov 2014
CER has been started to sell under the contract.

2016

In addition to the contract, an additional CER was sold to EBRD

2017
Contract period finished and looking for new buyers.

30 Mar 2012
Signed the contract with Swedish Energy Agency on sale and purchase of CER.

2015
There is a possibility to sell CER more than the amount stated in the contract.

Source: Clean Energy Co., Ltd, 2018
**Clean Development Mechanism (CDM)**

<table>
<thead>
<tr>
<th>Year</th>
<th>CER certified</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CER certified 3 times</td>
<td>CER certified 2 times</td>
<td>CER certified 2 times</td>
<td>Certified once, next one will be completed in August</td>
</tr>
</tbody>
</table>

- **2015**: 184 kt
  - 54 kt
  - 65 kt
  - 64 kt

- **2016**: 158 kt
  - 85 kt
  - 73 kt

- **2017**: 163 kt
  - 93 kt
  - 66 kt

- **2018**: 71 kt
  - 71 kt
  - 55 kt

- Clean Energy Co., Ltd has certified a total of 578 kt CER and thus reduced this amount of GHG emission.
- Clean Energy Co., Ltd reduces every year 0.001% of worlds’ GHG emission.

Source: Clean Energy Co., Ltd, 2018
• Environment and Climate Fund
• Climate change project implementing unit
• Ministry of Environment and Tourism of Mongolia

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