

# Achievements and opportunities from the Joint Crediting Mechanism

Seminar on the JCM in Mongolia, October 2018

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## After five years, the JCM has achieved...

**17** partner countries

(Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Viet Nam, Lao PDR, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand, and the Philippines)

**12,220** JCM credits issued

(9,495 credits to Japan, 2,725 credits to partner countries)

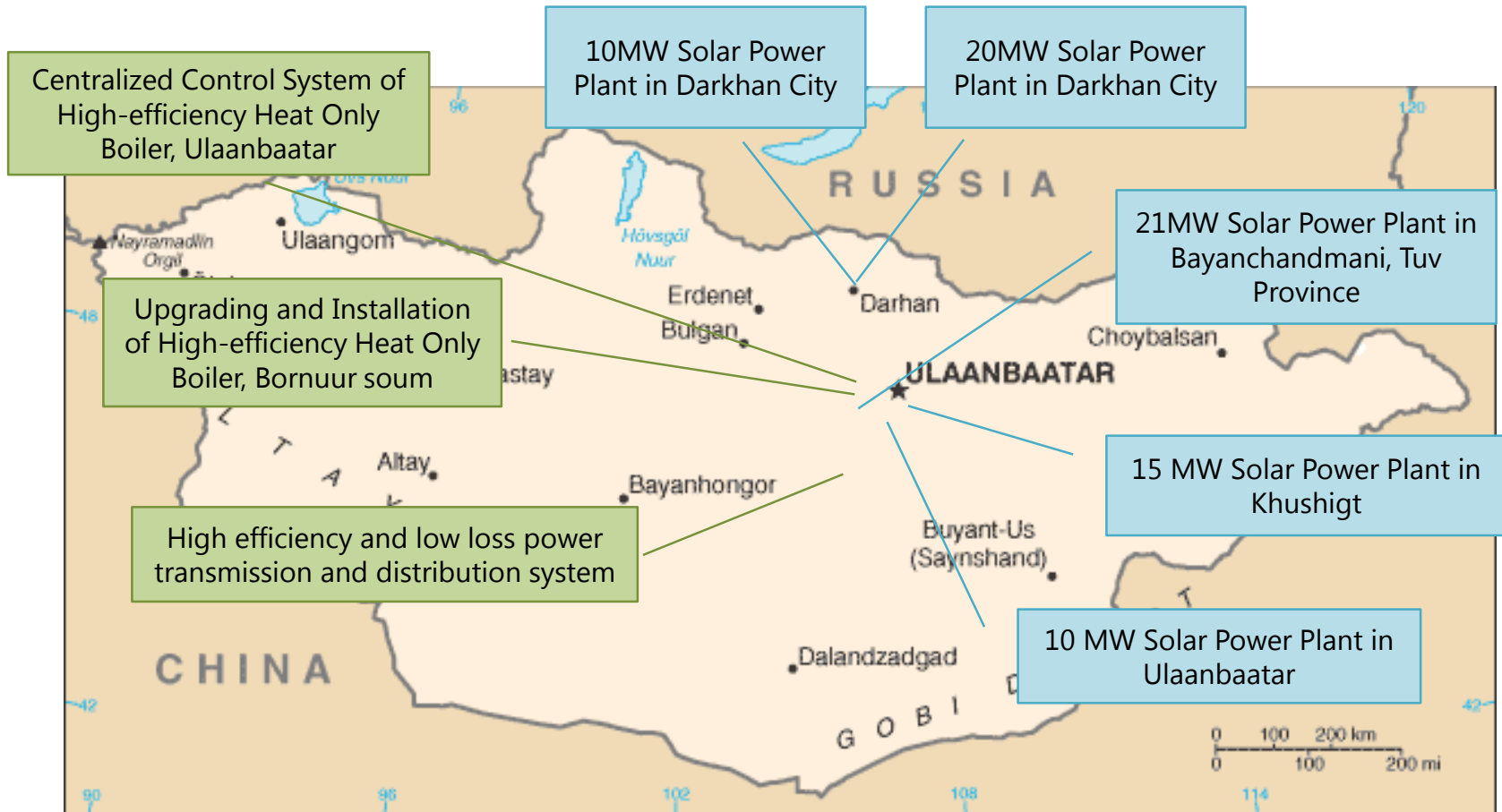
**40** registered projects

**>130** financially supported projects in the pipeline

**63** approved GHG MRV methodologies

(IGES JCM Database as of September 2018)

## Projects are being implemented in Mongolia



New project selected under ADB JF JCM scheme: Solar power generation system with advanced storage battery and energy management system (EMS)

# Technologies to fit Mongolia's needs

## 10 MW Solar Power Project in Darkhan City

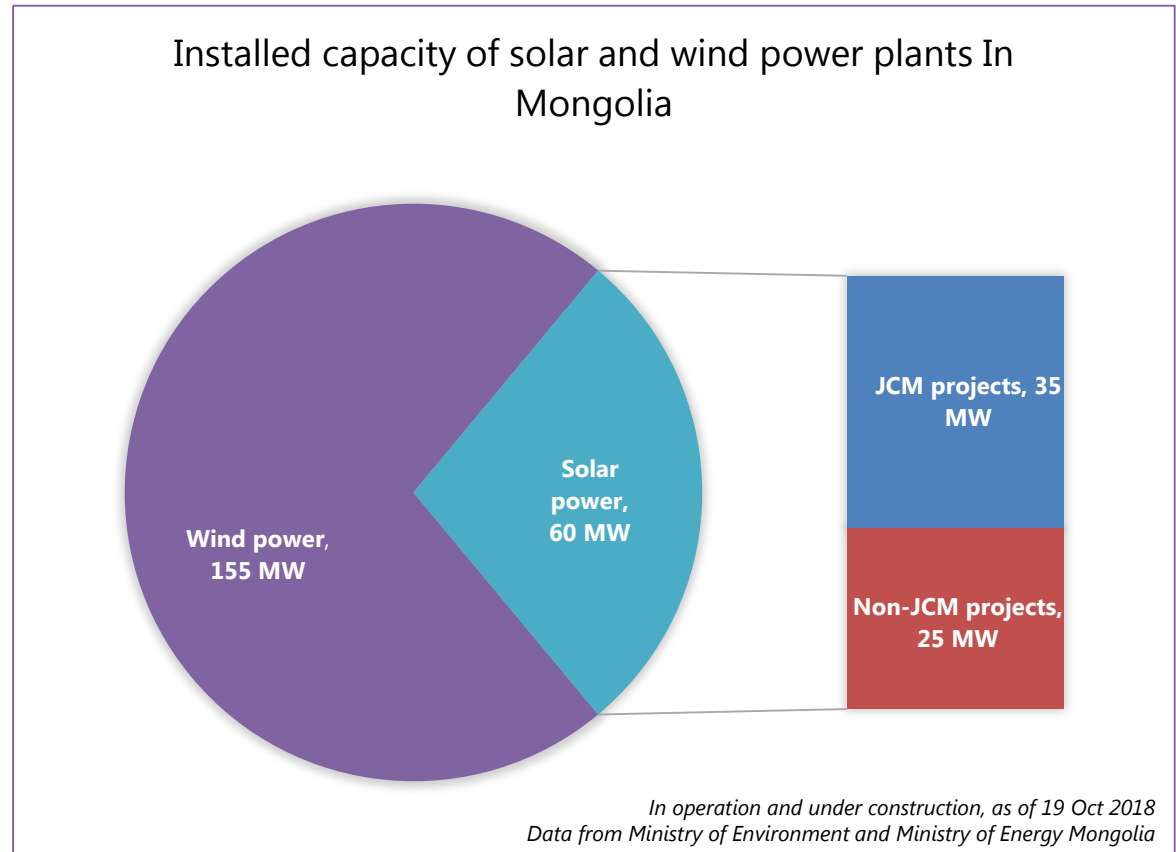
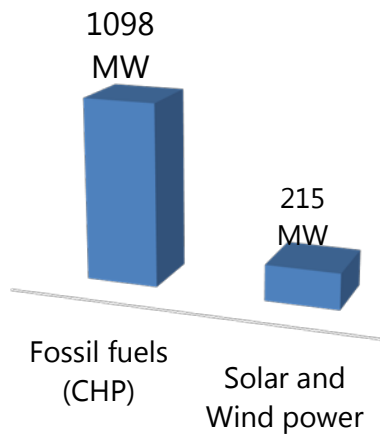
- Design Project Lifetime: 17 years
- Technology for stable operation under extreme low temperature



- Estimated CO2 reduction: 14,746 tCO2/Year
- Sharp and Solar Power International LLC will provide monitoring services for 17 years.

*Supplies 14,000 MWh/y*

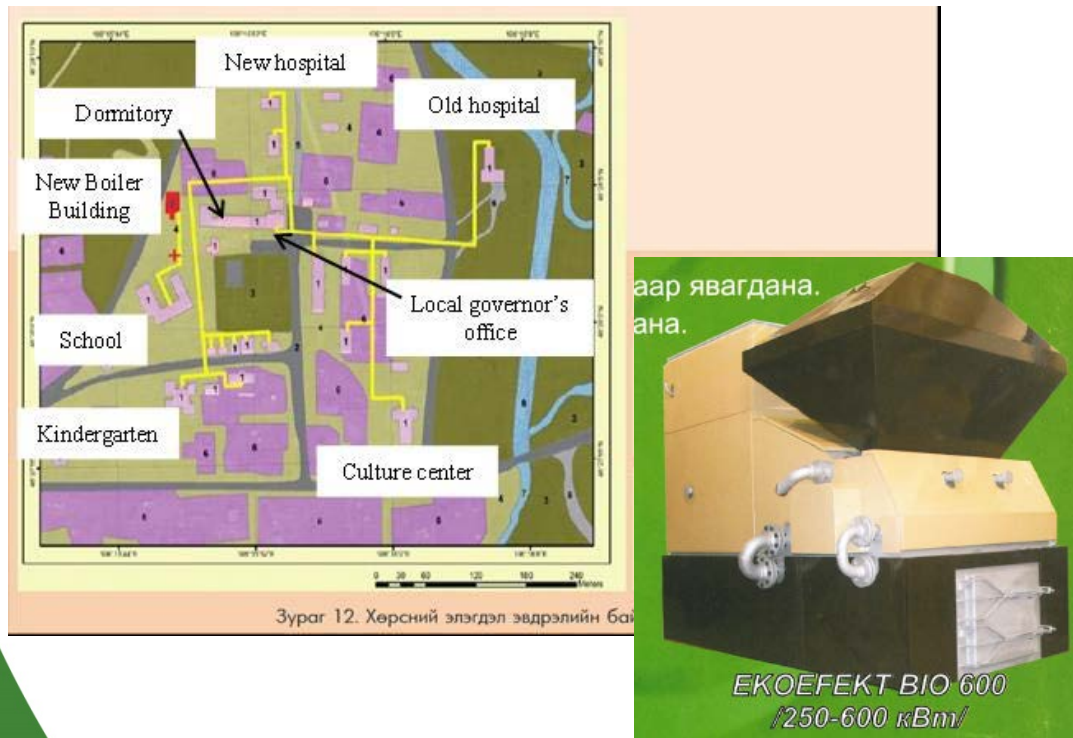
# Supports Mongolia's clean energy target



So far the JCM Financing Programme has contributed to approx. 16% of clean electricity generation from solar and wind power

# Supports Mongolia's efforts to address air pollution

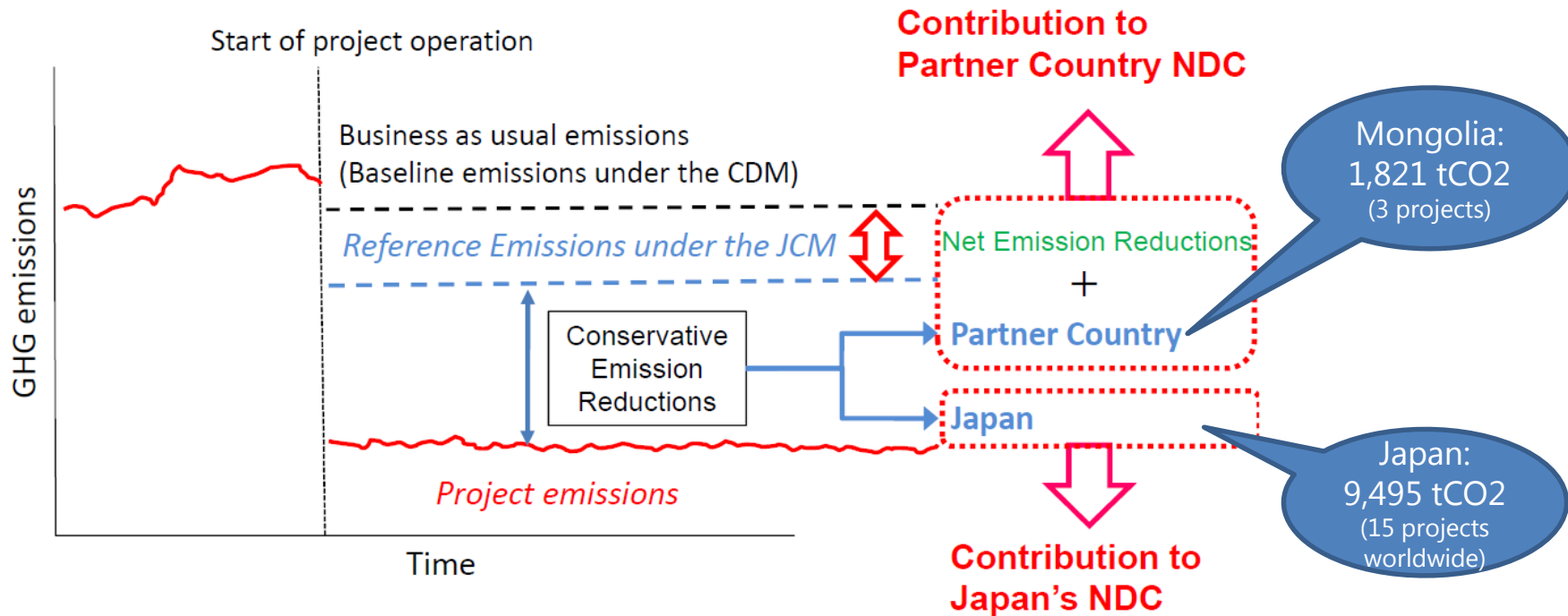
## JCM Project: Upgrading and Installation of Centralized Control System of High-efficiency Heat Only Boiler in Bornuur sum



- Centralized control system
- High-efficiency heat only boilers
- Improvement of boiler efficiency reduces coal consumption, CO<sub>2</sub> emissions, and other air pollutants
- Lower emissions from heating system

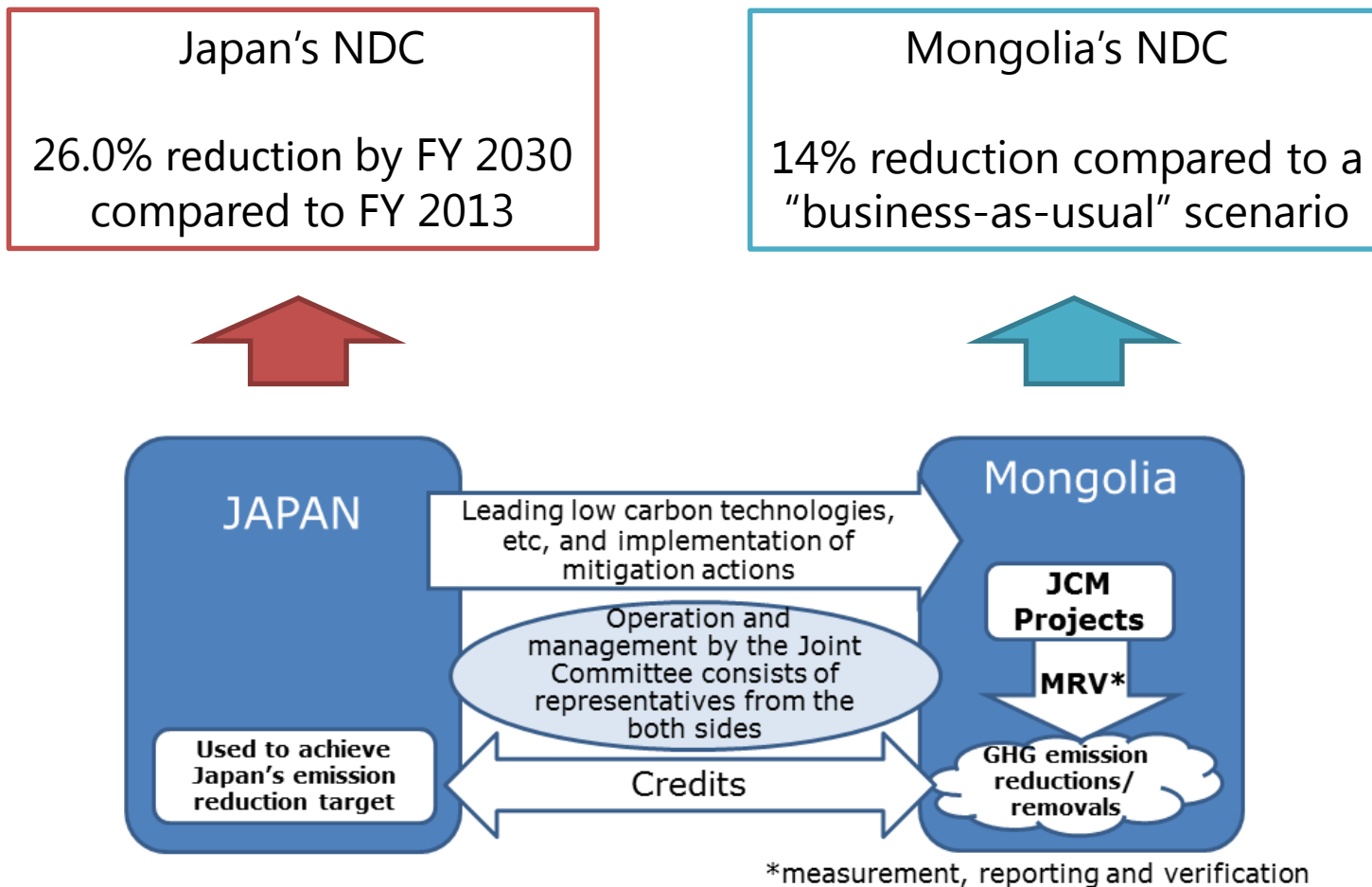


# Contributes to real emission reductions



Source: Recent Development of The Joint Crediting Mechanism (JCM),  
Ministry of the Environment Japan, 2018

## Supports achievement of climate goals





# Promotes transparency and community engagement



Local stakeholders consultation and use of mass media



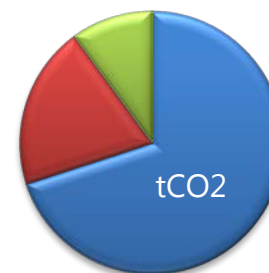
Projects are open for public comments through JCM website



Joint Committee decisions are published on JCM websites

Balance Certificate Account A	
List by Credit	Amount of Credits
Available credit	10 t-CO <sub>2</sub>
Issued credit	10 t-CO <sub>2</sub>
Acquired credit	0 t-CO <sub>2</sub>
Retired credit	0 t-CO <sub>2</sub>
Cancelled credit	0 t-CO <sub>2</sub>

JCM Registry system is adopted by Japan and Mongolia



Issued credits are shown on JCM website

## Contributes to SDGs

“Sustainable Development Contribution Plan and Report” tool is under development

Example: Contribution from solar power project to sustainable development



By using solar power instead of coal for electricity generation, the project can help improve ambient air quality, which can contribute to improving health of people and preventing diseases from air pollution, as covered by SDG Target 3.9.



- Private sector will mobilize direct financial investments to Mongolia for the installation, dissemination, and operation of an environmentally sound technology promoted by the project.
- Private investments will benefit from public funding support under the JCM public-private partnership, which can contribute to SDG 17 particularly its Target 17.3, 17.7, and 17.17.

Also →



- ✓ Mainstream sustainability assessment to the private sector project developer
  - ✓ Inform policymakers on potential impacts on SDGs
    - ✓ In line with international negotiations under the UNFCCC on carbon markets

# More opportunities to seize!

*Call for Proposal for "JCM Model Project" financing programme is open now (until 30 November 2018)*

*ADB Trust Fund: Japan Fund for Joint Crediting Mechanism (JFJCM) → subsidy for interest of loan from Asian Development Bank (ADB)*

*New support for projects that recover and destroy F-gas such as hydrofluorocarbons (HFC), etc. from used equipment*



# *Towards a decarbonised future*

Call for Proposal for the JCM Financing Programme:  
<http://gec.jp/jcm/kobo/>

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