



*Хөшгийн хөндий 15 МВт НЦС*



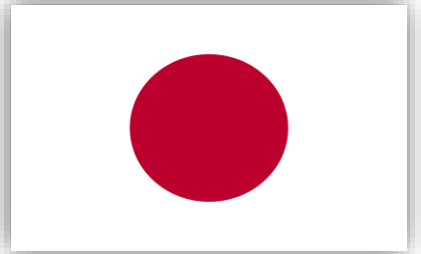
*118-р дунд сургууль, халаалтын зуух*



*Оюу толгой –Цагаан суварга дамжуулах шугам*



# THE JOINT CREDITING MECHANISM



November 16, 2024, COP29



*Дархан хот 10 МВт НЦС*



*Эвэридэй Фарм 12.7 МВт НЦС*

# Mongolia's Climate Commitments

## *Nationally Determined Contribution (NDC) 2020*

- Emission Reduction Commitment: 22.7% reduction in greenhouse gas emissions by 2030
- Key Sectors: Energy, Agriculture, Waste Management, Forestry

## **Article 6 and Mongolia**

*International Cooperation: Mechanisms for achieving NDCs*

Key Approaches:

- Carbon Market Participation
- Technology Transfer through Bilateral Cooperation (e.g., Joint Crediting Mechanism)

1

2

3

## **Long-Term Goal: Achieve Net-Zero Emissions by 2050**

*Mongolia's LT-LEDs Roadmap (By 2024)*

- Objective: Develop a pathway to meet NDC emission targets
- Focus: Enhance climate resilience and ensure sustainable development by 2030

## Key Steps for Mongolia in Article 6 Implementation

- Strengthen Mongolia's legal framework to support Article 6 implementation.

### Key Actions:

- Develop regulations for carbon market mechanism
- Implement policies for national MRV (Monitoring, Reporting, and Verification).

- Secure resources to address challenges in Article 6 implementation.

### Key Actions:

- Mobilize financial and technical resources for regulatory and legal challenges.
- Invest in infrastructure for carbon markets and data systems.
- Address capacity gaps through training and international partnerships.

- Enhance coordination with bilateral partners

### Key Actions:

- Establish a centralized coordination mechanism for bilateral initiatives.
- Leverage partnerships for technology transfer and capacity building.
- Align bilateral and multilateral agreements with Mongolia's climate strategy.

## Key Steps for Mongolia in Article 6 Implementation

- Finalize the Authorization Entity and ensure MRV and compliance mechanisms.

### Key Actions:





- Formalize the Authorization Entity for overseeing ITMOs.
- Develop a robust MRV system to meet international standards.
- Ensure compliance with global carbon market regulations.

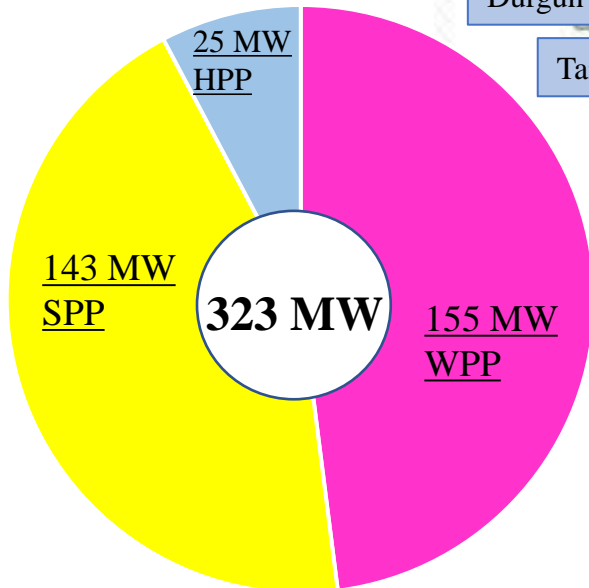
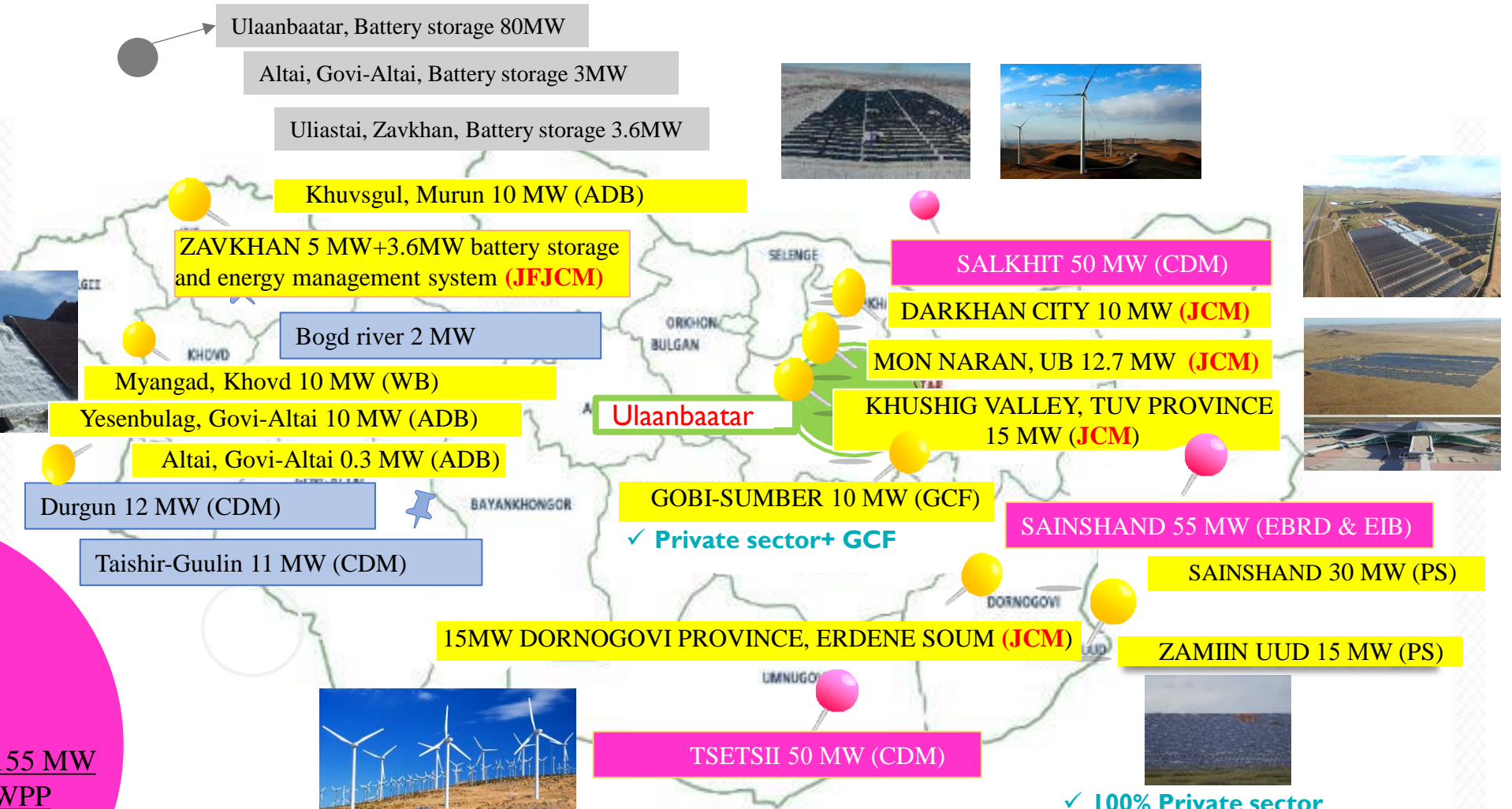
- Implement corresponding adjustments to ensure international recognition of carbon credits.

### Key Actions:

- Finalize methodology to avoid double-counting emission reductions.
- Collaborate with international partners for transparency and mutual recognition.
- Integrate corresponding adjustments into Mongolia's national climate strategy.

# Mongolia's renewable energy development and its JCM contribution

-  Wind PP
-  Solar PP
-  Hydro PP
-  Battery storage



**Total RE installed capacity - 323 MW**  
**JCM contribution 17.8% or 57.7MW + 15MW**

# JCM supports Mongolia's efforts to address air pollution

## **CASE 1:** MN002 - Upgrading and Installation of Centralized Control System of High-efficiency Heat Only Boiler in Bornuur soum



- Centralized control system
- High-efficiency heat only boilers
- Improvement of boiler efficiency reduces coal consumption, CO2 emissions, and other air pollutants
- Lower emissions from heating system



# JCM projects contribution to SDG's

## Case 2: 12.7 MW Solar Farm project

“Sustainable Development Contribution Plan and Report” document is approved by the Joint Committee in 2018. All JCM projects must complete this document.

The purpose of this project is to reduce CO2 emission, mitigate air pollution and stabilize power supply in Mongolia by installing 12.7MW scale solar power plants in the suburbs of Ulaanbaatar.

*GHG emission reduction is – 44,299 t/CO2. Credit issued in 2018 and 2022.*



Moreover, lots of achievements in daily life, mitigating air pollution, resolving power shortage, food supplying, etc., can be expected by synergy of agricultural and solar power generation technology.

- Introducing solar energy in the power system reduces GHG emission; and increasing clean, affordable, and sustainable energy in the country
- Building resilient and sustainable infrastructure in Mongolia; and strengthening developing country's technological capacity to move towards more sustainable production
- Increasing solar power generated electricity reduces coal consumption in a power plant; reducing air pollution
- Mobilizing financial and technical support from different sources and encourages public and private participation



## Technologies under consideration

- Waste to Energy
- Pumped storage hydro plant
- Green Hydrogen
- Concentrated solar power plant
- Fuel conversion from coal to gas projects
- Mini - grid
- Green transport
- .....





Thank you very much

**Contact:**

JCM Secretariat office between Japan and Mongolia

Email: [jcmmongolia@gmail.com](mailto:jcmmongolia@gmail.com)  
Website: [www.jcm-mongolia.com](http://www.jcm-mongolia.com)  
[www.jcm.go.jp](http://www.jcm.go.jp)