



JCM The Joint Crediting
Mechanism

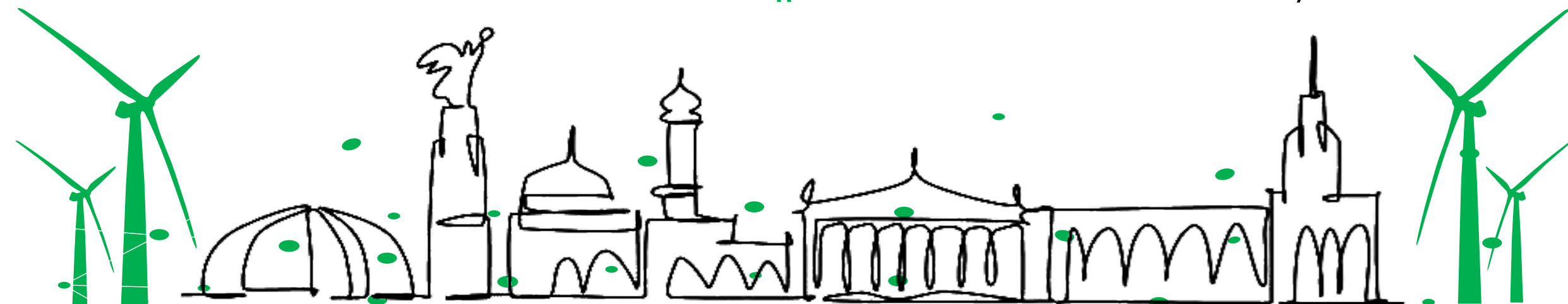


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Scaling Carbon Markets in CAREC: Lessons, Opportunities, and Regional Cooperation”

8-9 October 2025, Almaty, Kazakhstan.





National Focal Point & Secretariat



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**GREEN
CLIMATE
FUND**



CTCN

CLIMATE TECHNOLOGY CENTRE & NETWORK



CVF

CLIMATE
**VULNERABLE
FORUM**



PPCR

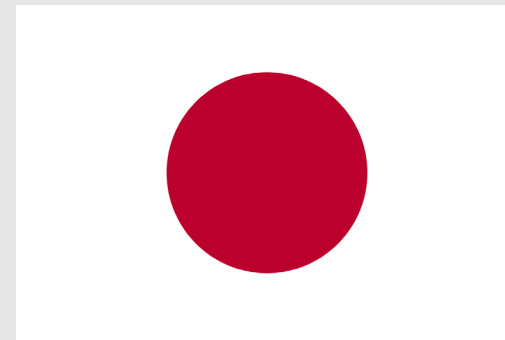


European Bank
for Reconstruction and Development

- Supporting climate finance and policy development;
- Coordinating & mobilizing climate finance & A6.2;
- Developing climate finance, carbon market projects;
- Building capacity and raising awareness on climate change, climate finance & carbon market;



BRIEF HISTORY



JCM

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Signed a Memorandum
of Cooperation (MoC)
to establish the JCM
6 July 2023



Cabinet of Ministers of
Kyrgyzstan established a
working group on JCM
Sep 2024



1st JCM Joint
Committee
Meeting
16 May 2025



Project Idea Note (PIN) in Kyrgyzstan

Bishkek Low-carbon Municipal Building Upgrade

- Scope of works
 - **Passive measures** (thermal insulation: floor, wall, window, door, roof)
 - **Active measures** (heat-recovery ventilation, heat pumps: air-to-water, wastewater-to-water, ground-to-water)
 - Construction: in **2026**
- Financing
 - **ADB: \$3 M** (1.5 M grant | \$1.5 M loan)
 - **JFJCM: \$5 M** grant against government commitment to issue project-backed carbon credits
- Estimated GHG emission reductions
 - **6,400 tCO₂e/year** (total 160,000 tCO₂ for 25 year) (preliminary)

Three types of heat pumps will be piloted under the project:



Cold-climate air-to-water heat pumps
(School 34, 92 and Preschool 15);



Wastewater heat pumps
(School 34 and 108);



Closed-loop ground-source heat pumps
(School 16).



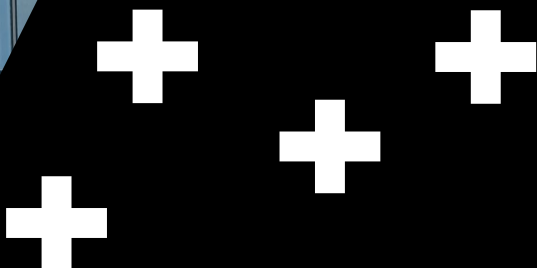
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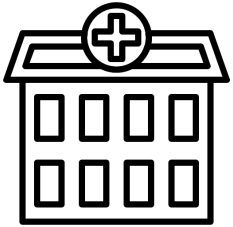
Expected sustainable development co-benefits

- The project will spur the growth of a private sector ecosystem for clean heating solutions;
- The project will reduce air pollution and improve public health;
- The project will improve the learning environment for children.



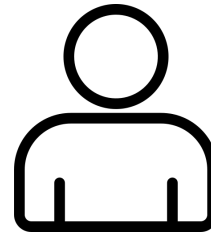
IMPROVING THE ENERGY EFFICIENCY OF HEALTHCARE FACILITIES IN KYRGYZSTAN

CURRENT SITUATION:

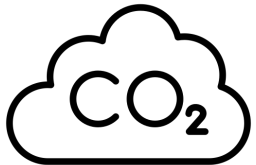


35-70 years of operation

Obsolete buildings and heating and ventilation systems



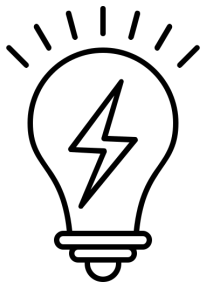
Actual service of **12%** of all patients



Annual emissions:
48,000 t CO₂ eq .



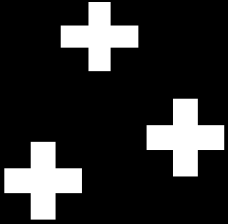
The total coverage is about **32%** of the country's total population.



Consumption: **8.25 million kW/year, 471 tons of coal**



The burden on the budget is more than **25.0 million soms per year;**



GOALS AND OBJECTIVES OF THE PROJECT

01 Reduce energy consumption by **50–60%**

02 To improve thermal comfort in buildings with a total area of **195 thousand m²**

03 **Coverage:** 8 districts with 2.3 million residents

04 **10 healthcare facilities** (built between 1954 and 1986)



05 Emission reduction: **~48,000 t CO₂/year**

06 Reducing current operating expenses by more than **50%**



PROJECT COMPONENTS

Component 1:

Capital investment: USD 17.5 million

Energy efficiency measures – \$ 17 million

- Energy audit of buildings
- Thermal insulation of the facade, roof, floor and windows
- Modernization of heating and electrical systems
- Installation of solar panels and alternative energy sources

Capacity Building – \$0.5 million

- Energy saving trainings and seminars
- Training of 1,500 healthcare staff

Component 2:

Project management – \$0.5 million

 Project monitoring, reporting, coordination, and administration

Project budget:
18.0 million US dollars



PROJECT IMPLEMENTATION

Executive agency



Climate Finance Center under the
Cabinet of Ministers of Kyrgyzstan

Implementing agency



PIU at Ministry Health of Kyrgyzstan
Control execution tasks , monitoring
results , preparation reporting

EXPECTED RESULTS



Reducing GHG emissions

- Through energy-efficient technologies and modernization



Infrastructure modernization

- Compliance with modern environmental standards



Cost reduction

- More than 50% of operating costs



Improving the potential of specialists

- Training and development of competencies in energy conservation



Improving the quality of medical services

- Comfortable conditions for patients and staff





THANK YOU !

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