

01 Ulaanbaatar City (Mongolia)—Sapporo City

Main Proposer: Oriental Consultants Co., Ltd.

Zero Carbon Society Development through the Introduction of Environmental Infrastructure Suitable for Cold Climates in Ulaanbaatar City

Sapporo City and Ulaanbaatar City have joined forces to tackle the unique challenges of cold climates. During the 20th Winter Cities Mayors Conference held in Sapporo, the two cities engaged in a mayoral dialogue and conducted site visits to explore Sapporo's environmental infrastructure. They also carried out on-site investigations to assess the potential applications of cold-climate technologies.

Ulaanbaatar City, which relies heavily on coal as its primary energy source, is aiming to develop cleaner heating systems and sustainable housing plans. This project includes studies on transitioning to high-efficiency boilers and geothermal energy as part of a broader decarbonization effort. It also explores the feasibility of installing rooftop solar panels, introducing low-carbon buildings, and utilizing cold-climate-specific infrastructure such as ice shelters and biogas systems. The initiative seeks to incorporate locally sourced renewable energy solutions and aims to advance commercialization with potential support from the Joint Crediting Mechanism (JCM).

