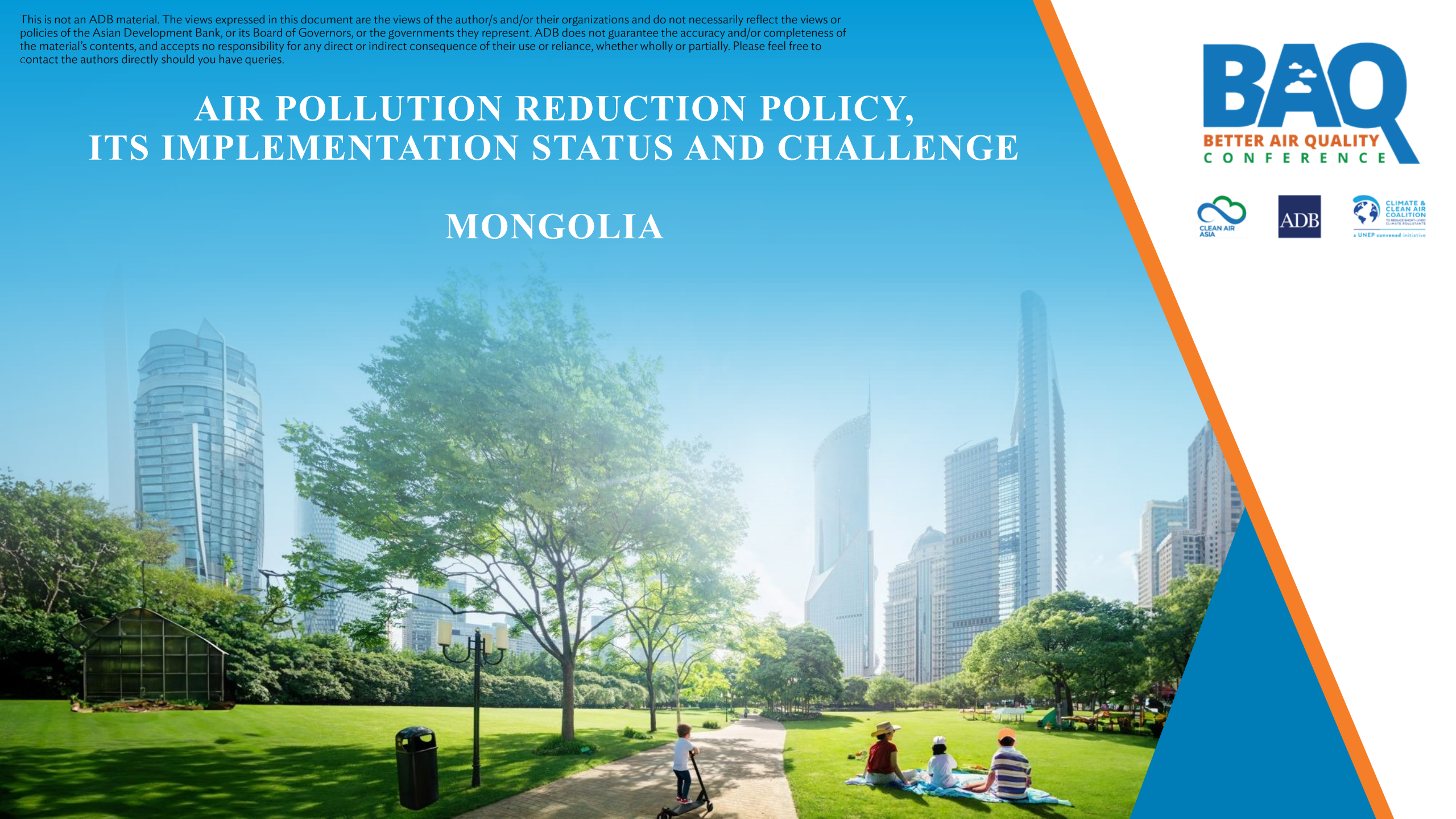


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AIR POLLUTION REDUCTION POLICY, ITS IMPLEMENTATION STATUS AND CHALLENGE

MONGOLIA



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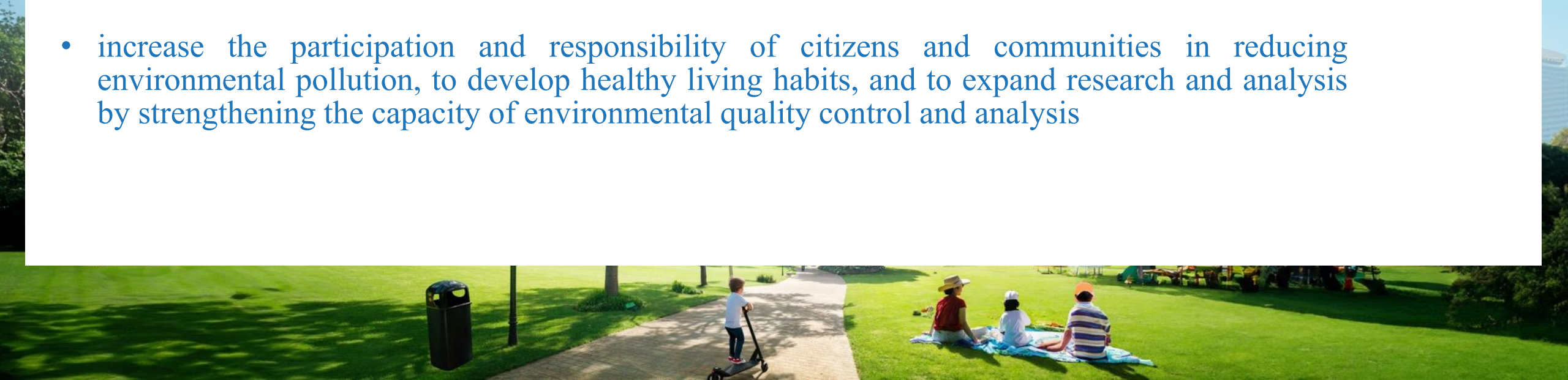
KEY POLICIES FRAMEWORK

- 1. NATIONAL PROGRAM FOR REDUCING ENVIRONMENTAL POLLUTION**
- 2. PROGRESS IN IMPLEMENTATION OF THE NATIONAL PROGRAM**



OBJECTIVES OF THE NATIONAL PROGRAM

- implement site-specific optimal policies for urban planning, construction, and infrastructure planning
- reduce the sources of pollution by introducing environmentally friendly advanced techniques and technologies, gradually ban the use of raw coal
- take comprehensive measures to reduce motor vehicle emissions
- clarify the management, regulation, and financing of air and other environmental pollution reduction activities
- increase the participation and responsibility of citizens and communities in reducing environmental pollution, to develop healthy living habits, and to expand research and analysis by strengthening the capacity of environmental quality control and analysis



National Committee on Environmental Pollution Reduction

**ASSIGNING DUTIES AND MONITOR
IMPLEMENTATION**

**COORDINATION OF INTERSECTORAL
ACTIVITIES**

SUPPORT AND ENCOURAGE citizens'
participation and activism

DISCUSS AND APPROVE the strategic plan,
operational plan, purchase plan for the Committee

Inspect and make a report for measures applied by
government and non-government organizations and
**MAKING DECISIONS ON NECESSARY
MEASURES**

Other duties prescribed by law

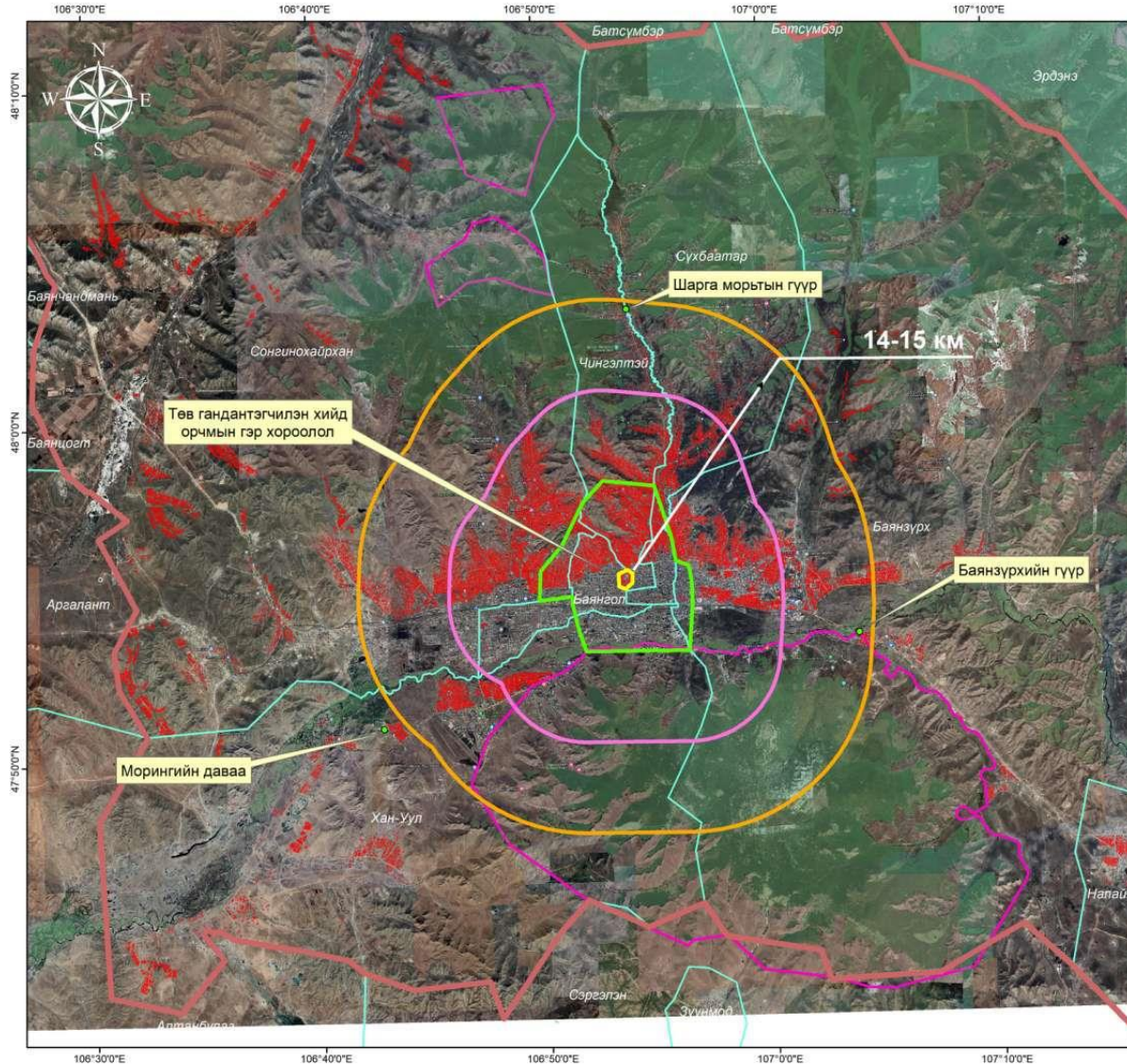
Updated by Decree No. 30 of 2022 of the Prime Minister of Mongolia.

IMPLEMENTATION STATUS AND PROJECT PROPOSAL

- 1. CHIMNEY FREE ZONING PLAN**
- 2. ELECTRIC CAR CHARGING STATIONS**
- 3. AIR QUALITY MONITORING STATIONS**



2. CHIMNEY FREE ZONING PLAN



Улаанбаатар хотын агаарын чанарын бүс

Бүсэд хамаарах нэгж талбарын тоо

- 1-р бүс - 709
- 2-р бүс - 24360
- 3-р бүс - 57382
- 4-р бүс - 20084

НИЙТ - 102535

It is estimated that air pollution would be reduced by 25% if technical problems of heating 44,000 households (with 4 kW electric heaters) are addressed.

Таних тэмдэг

- 1-р бүс
- 2-р бүс
- 3-р бүс
- 4-р бүс
- Аймаг, Нийслэлийн хил
- Сум, Дүүргийн хил
- Өмчлөлийн нэгж талбар
- Ойн сан бүхий газар

1:150,000

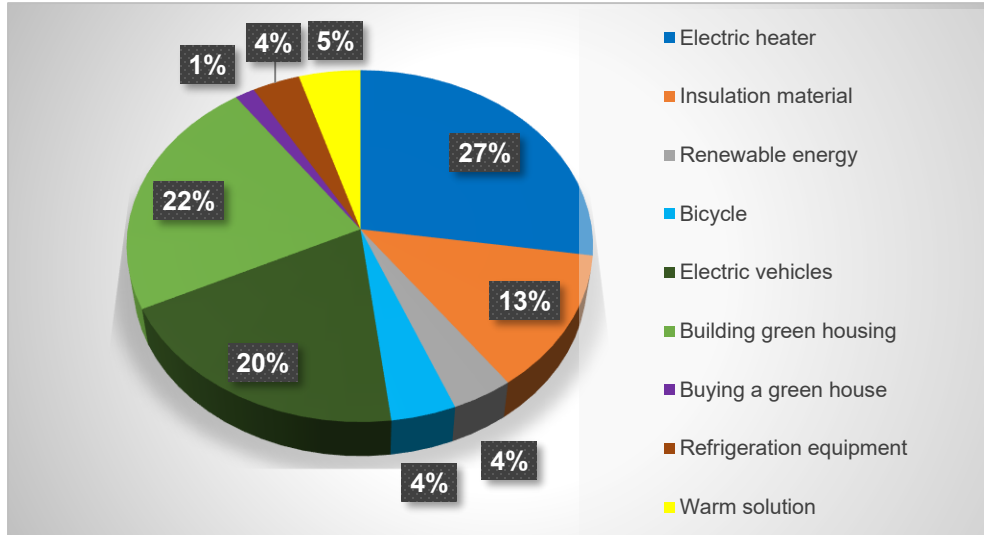


1. CHIMNEY FREE ZONING PLAN

- Electric heaters + electric storage + increase the number of renewable energy (solar) sources
- Prohibiting the use of all types of solid fuel in Chimney free zone
- Implementation of a policy to provide green loan to households in Chimney free zone, etc.



1. CHIMNEY FREE ZONING PLAN

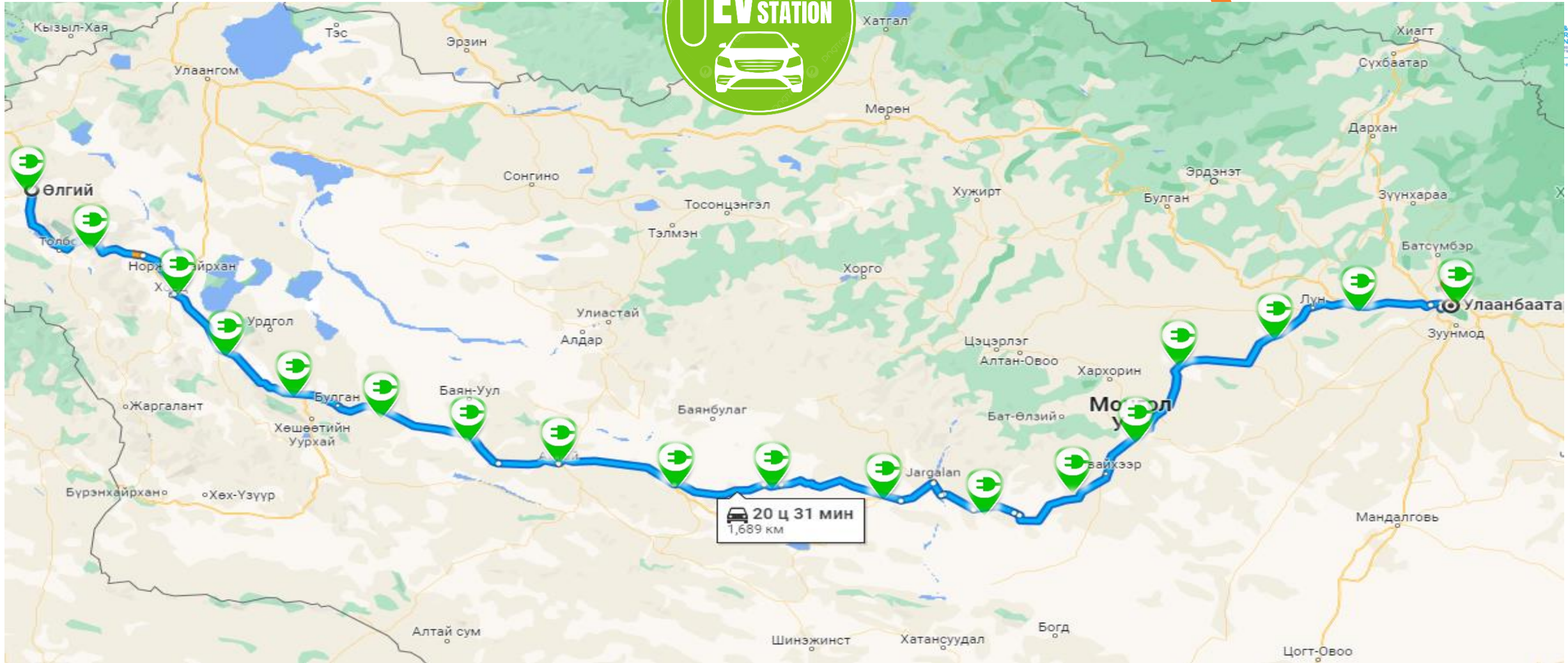
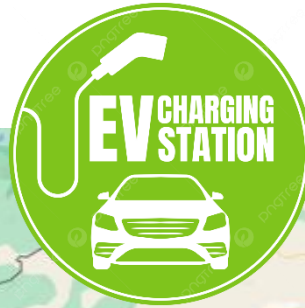


No	Type of Loan	Amount of loan granted, MNT	Subsidized interest rates, MNT
1	Electric heater	909,824,700	151,390,612
2	Insulation material	421,530,943	68,618,037
3	Renewable energy	129,665,000	20,403,519
4	Bicycle	137,069,000	20,697,045
5	Electric vehicles	654,149,000	99,957,281
6	Building green housing	746,000,000	194,252,023
7	Buying a green house	50,000,000	12,363,159
8	Refrigeration equipment	120,000,000	21,470,077
9	Warm solution	155,355,284	23,143,277
TOTAL		3,323,593,927	612,295,029



Among these 9 types of products offered at the green loan **ELECTRIC HEATERS** were the most in high demand accounting almost 30% among citizens.

2. ELECTRIC CAR CHARGING STATIONS



2. ELECTRIC CAR CHARGING STATIONS



Current **40 stations**
By 2026 **1000 stations**

- Arkhangai and Khentii Provinces 25
- In the capital city 15

In the parking lot of the Ministry of Environment and Tourism, free electric car chargers were placed on the basis of public-private partnership.

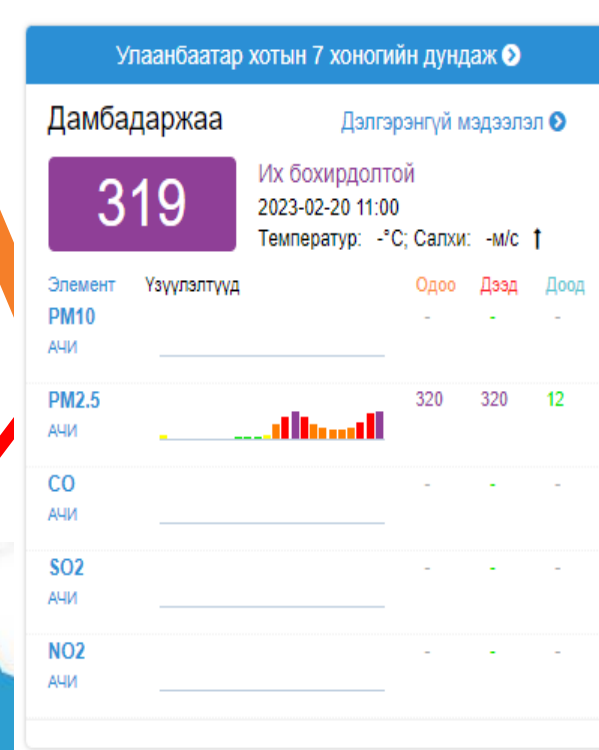
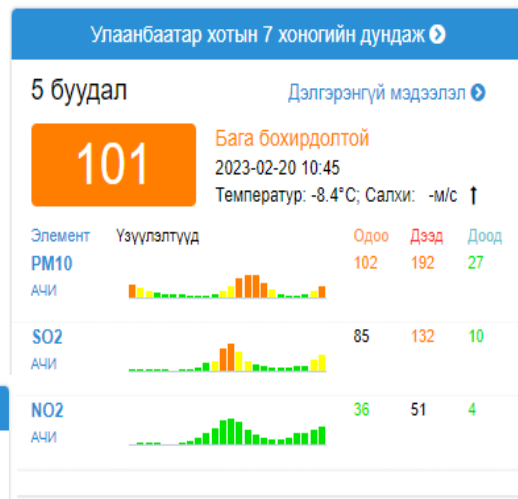


3. AIR QUALITY MONITORING STATIONS

19 monitoring stations measure following elements.




- Air quality index (Index)
- Particulate matter (PM2.5, PM10)
- Carbon Monoxide (CO)
- Sulfur dioxide (SO2)
- Nitrogen Dioxide (NO2)
- Ozone (O3)

However, monitoring stations have a different number of sensors. It might affect the quality of measurements.



3. AIR QUALITY MONITORING STATIONS

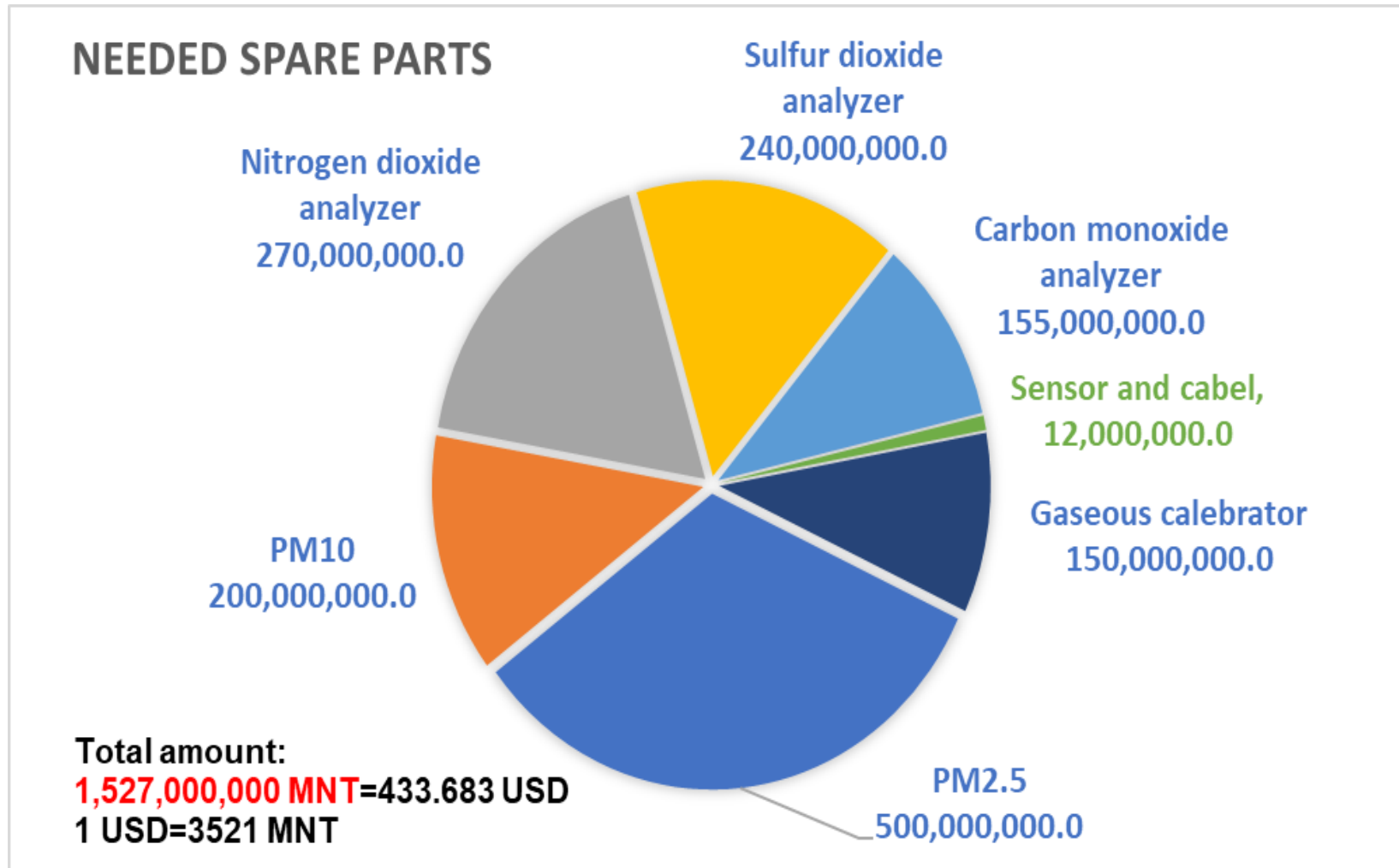
TARGET AUDIENCE

- Citizen 
- Air specialist 
- Decision maker 

RESULTS

- Track air pollution
- Big data analyses
- Send report to policy-makers about air quality /every 14 days/

3. AIR QUALITY MONITORING STATIONS



CHALLENGES

Although Mongolia has taken significant policy steps to reduce air and environmental pollution, large amounts of funding are needed to implement projects that will produce results in a short period of time.