



지속가능 행복도시 제주

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Plastic-Free Jeju

Jeju's Pledge and Practice

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JIBS



Invisible Connections, Plastic-Created Climate Crisis



1ℓ plastic bottle

=



1/4ℓ of
fossil fuel

**8-10% of
global oil production**



Plastic Production and Consumption

**At least 10% of the
causes of the climate crisis**



CO₂, methane gas, etc

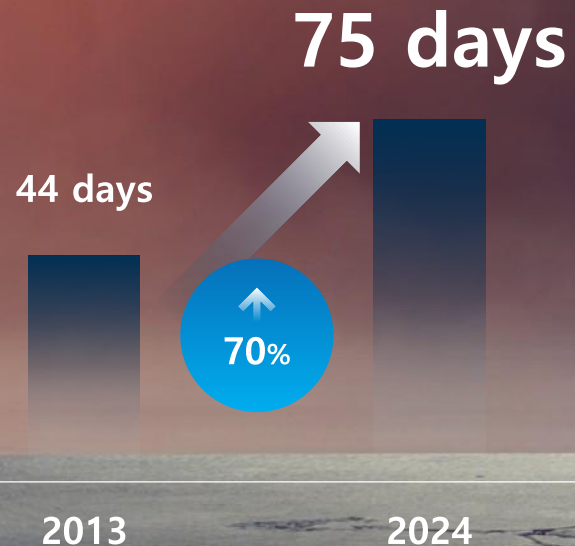
**Concentration of Greenhouse Gases
in the atmosphere**

**The highest in the
800,000 years of Earth's history**

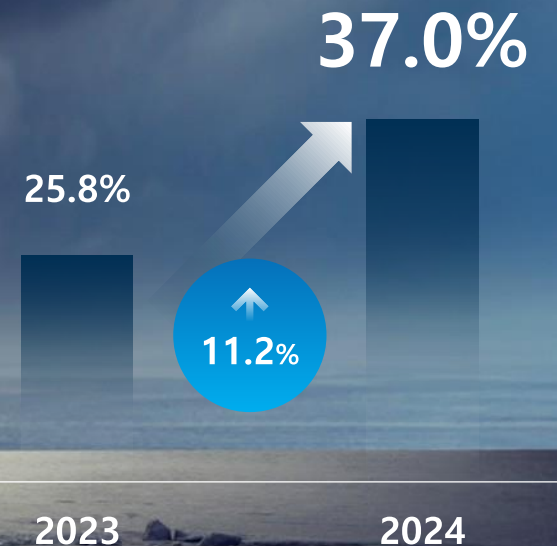
2024, the Hottest Year Since 175 Years of Weather Observations



Number of tropical nights in Jeju



Rate of fruit splitting
(Redhyang orange)



Choices for Biodiversity, Plastic-Free

World's First MIDA (Multiple International Designated Area)

Marine Protected Area

2022



Biosphere Reserves

Hallasan National Park,
Gotjawal
Yeongcheon/Hodongcheon



2007



World Natural Heritage Sites

Hallasan Nature Reserve,
Geomunoreum Lava
Cave System



2010



Global Geoparks

Hallasan, Manjanggul Cave,
Seongsan Ilchulbong Peak,
Sanbangsan Mountain



2006-2015



Ramsar Wetlands

Dongbaek Wetland,
Muljangori Wetland



2002-2025

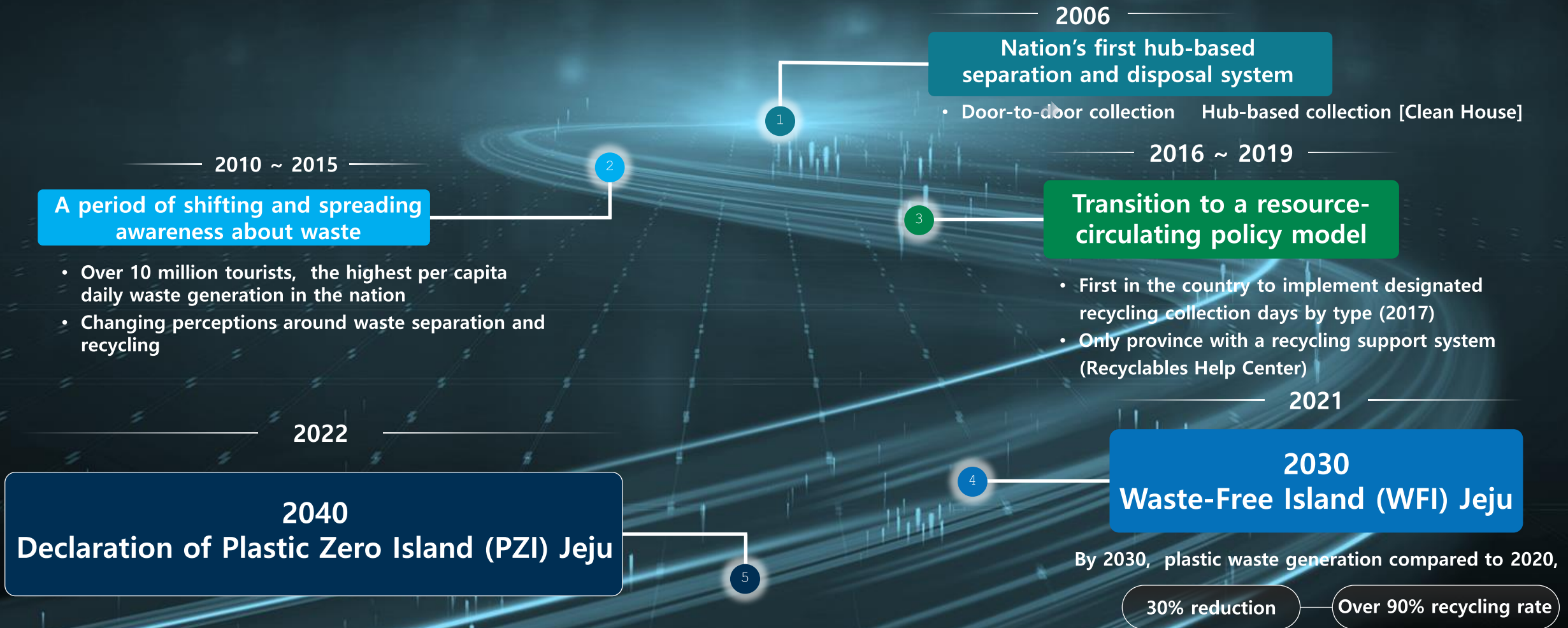


Marine Protected Areas (6 zones)

Around Mun Island,
Chuja Island, Ttokki Island,
Ojori, Sindori, Gwantal Island



2040 Plastic Zero Jeju, Vision and Journey



Jeju's Pioneering Policies Recognized by the International Community



2024
**Designated as a Leading
Carbon-neutral City**



2024
**World Bank
Korea Green Innovation Day**



2025
World Environment Day



2025
**World Bank
Knowledge-sharing Event (K-POK)**

2040 Plastic Zero Island Jeju

People

Reduce plastic use in daily life and maintain healthy living

Nature

Mitigate biodiversity risks and strengthen ecosystem resilience

Circular Economy

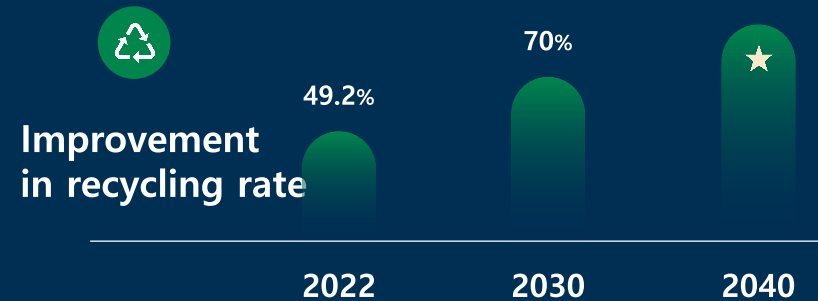
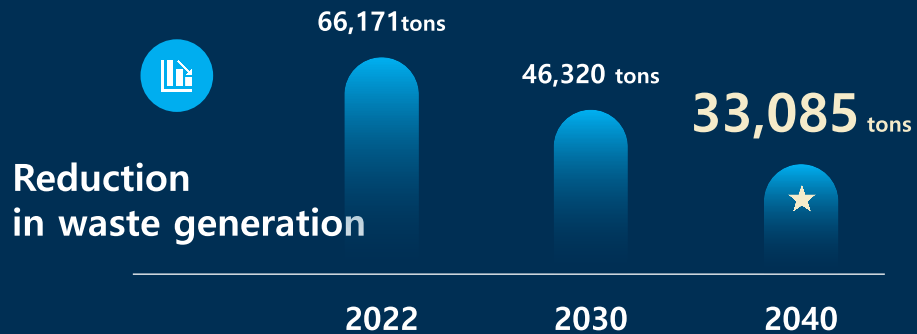
Laying the foundation for turning discarded plastic into reusable resources



50% reduction in waste generation



Recycling rate 100%



Reduction of Plastic Waste and Expansion of Recycling

Reusable Container Initiatives

- Promotion of Reusable Container Use (since 2022)
- 1.37 million reusable containers provided for events and festivals (since 2024) ※ 34 tons of plastic reduced
- Operation of reusable container washing centers (1 public, 1 private)



Deposit System for Disposable Cups

- Nation's first implementation (since Dec. 2022)
- 281 participating stores
- Over 11.09 million single-use cups collected (May 2025)
※ 155 tons of plastic reduced



Pilot Project for Reusable Delivery Containers

- Jeju Value Meal Support Service (May 2025)
- Integration with delivery apps (August 2025)
- Expansion to multi-use facilities such as public campgrounds (June 2025)
- Support for tumbler discounts and dishwashing machines (May 2025)



Reduction of Plastic Waste and Expansion of Recycling



Recycling by Designated Collection Days

- Separated collection of styrofoam, bottles, clothing, paper, plastics, clear PET, vinyl, and more



The Nation's Only Hub-Based Collection System

- 182 Recycling Support Centers (to expand to 500 by 2030)
- 1,707 Cleaning Houses
- Exported to Bontang City, Indonesia (selected for KOICA ODA)



Incentives for Collecting Recyclable Resources

- Clear PET bottles, used batteries, etc.
- Collected 1,971 tons (since 2021, with 940,000 participants)

Strengthening the foundation for clean energy and a circular economy



Jeju Environmental Resource Circulation Center (December 2019)

- Facility capacity: incineration 500 tons/day, waste heat power generator 19.2 MW

Revenue from electricity and REC sales
63.6 billion KRW (since 2019)



Jeju Metropolitan Living Resource Recovery Center (June 2023)

- Facility capacity: 140 tons/day

Multi-stage sorting, AI-based sorting robots

Sorting rate 75.2%,
18.7% higher than previous facilities



Jeju Resource Circulation Cluster (2022–2028)

- Facility size: 227,061 m²

New business base for
future waste resources

Used electric vehicle batteries, solar waste panels,
wind turbine blades

Expanding Nationwide Participation for Plastic Zero

Jeju
Plogging

APPLICATION



Launch and Pledge
Event of the Jeju
Plastic Zero Provincial
Committee

2023

Participation from 232
organizations and groups



Nation's First
Plastic Zero
Zone and Declaration
of Plastic Zero
Clean Udo

2024

Conversion to reusable
containers at 36 coffee shops
in Udo (155,000 units)

→ Reduction of
3.4 tons of plastic



Jeju Eco-Friendly
Tourism Green
Road (2024)
Eco-friendly travel
pledge signed by
14,013 people
(May 2025)



Plastic Zero Jeju
Expedition Team
and Jeju Waste
Pop-up Events

2024

Jeju Expedition Team
(12 sessions),
Zero Waste Pop-up
(3 sessions)



Jeju's Challenges and Strategies for Becoming a Leading Region in Resource Circulation Innovation



Korea's First Environmental Organization for Southern Bottlenose Dolphins

Why We Must Protect the Southern Bottlenose Dolphins



Dolphins are indicators of marine ecosystem health, and top predators along Jeju's coastline



Marine ecosystems are under threat from rising ocean temperatures, climate change, overfishing, pollution and excessive coastal development



A close-up photograph of a person's arm and hand wearing a white disposable glove, reaching down to pick up a clear plastic bottle from a sandy surface. The background is a blurred blue sky and dark ground.

Jeju's greatest asset and competitive advantage is
its natural environment.

The actions we take in Jeju today will
shape the future.