

Jeju Plus International Environment Forum

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Plastic Zero Island Jeju 2040 through Public-Private Cooperation

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Worldwide

Plastic Waste:

1.01 billion tons

- 350 million tons in 2019
→ **1.01 billion tons by 2060***
- Each adult **ingests the equivalent of one credit card** per day**

UN Environment assembly

UNEA

- Binding **Global Plastics Treaty**
- INC-5 meeting to be held in Busan, November 2024

* OECD Global Plastics Outlook Report (2022)

** WWF Assessing Plastic Ingestion from Nature to People Report (2019)

Jeju

Plastic Waste:

2022

95,000 tons



Compared to 2011

Increased by

379.8%

Recycling Rate:

2022

56.3%



Compared to 2011

Increased by

4.9%p

Jeju's Challenge Toward Plastic Zero

2022

**Plastic Zero
Jeju Declaration**

Jeju Plus International
Environment Forum

2023

**2040 Plastic Zero
Jeju Action Plan**

50% reduction in emissions, 100% recycling rate

Five Key Areas For 2024 Plastic Zero Jeju



Reduction of
Plastic Waste
Generation **at**
Source



Increase
Plastic
Recycling



Expansion of
Resource
Circulation
Infrastructure



Promotion of
Carbon-Neutral
Industry in the
Resource
Circulation
Sector



Encouragement
of Civic
Participation in
Plastic-Free
Initiatives

Reduction of Plastic Waste Generation at Source



Promotion of Reusable Containers

- Support for the use of 1.16 million reusable containers
- Establishment of reusable container washing centers



Disposable Cup Deposit System

- Discovery of 17 voluntarily participating stores
- 85 designated excellent resource circulation businesses
- Introduction of a disposable cup recovery reward system (330,000 cups collected)

Increase Plastic Recycling



Expansion of Recycling Help Centers

| 2022 | 2024 | 2030 |
|----------------|----------------|----------------|
| 134 Centers | 182 Centers | 300 Centers |

Separate Collection of Clear PET Bottles

Securing 81 tons of **high-quality clear PET** per month

Recyclable Resource Recovery Reward System

Since 2022, **940,000 people** have participated, leading to the **recovery of 1,971 tons** of waste (e.g., discarded electronics, paper packs, cans).

Construction of Recycling Infrastructure and Industry Fostering

Jeju Metropolitan Resource Recovery Center

- Completed in 2023, **140 tons/day capacity**
- Sorting rate of 75.2% (18.7 percentage points higher than existing facilities)
- Introduction of AI-based sorting robots planned

Establishment of Jeju Resource Circulation Cluster

- Total area: 227,061 m²
- Facilities for processing electric vehicle batteries , solar panels, etc.
- **Facility for producing clean hydrogen**



Achieving Plastic Zero Island Jeju through Public-Private Cooperation



Support for Private Sector Activities

- Support for campaigns like plogging
- Opened Upcycling Center (in 2024)
- Operation of the Province-wide Promotion Committee



Resource Circulation in the Tourism Sector

- Public-private cooperation in the "Clean Udo Project"
- 10,828 participants in the eco-friendly travel pledge
- 9 businesses certified as eco-friendly "Green Key" locations
- "Green Road" eco-friendly tourism program



Administrative Support

- Ordinance on Promotion of Transition to Circular Economy and Society
- Establishment of the 2nd Resource Circulation Action Plan
- Investment of 1.08 trillion KRW by 2040



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Thank You

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