



**KGID
2025**

**Green Growth:
The Path to
Sustainable Jobs**

Jeju's Plastic Free Journey: From Commitment to Action

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Jeju, a Multi-Designated International Protected Area

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



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Jeju, On the Frontlines of the Climate Crisis



No. of tropical
nights* in jeju

63.5 Days

※ Highest record since
monitoring

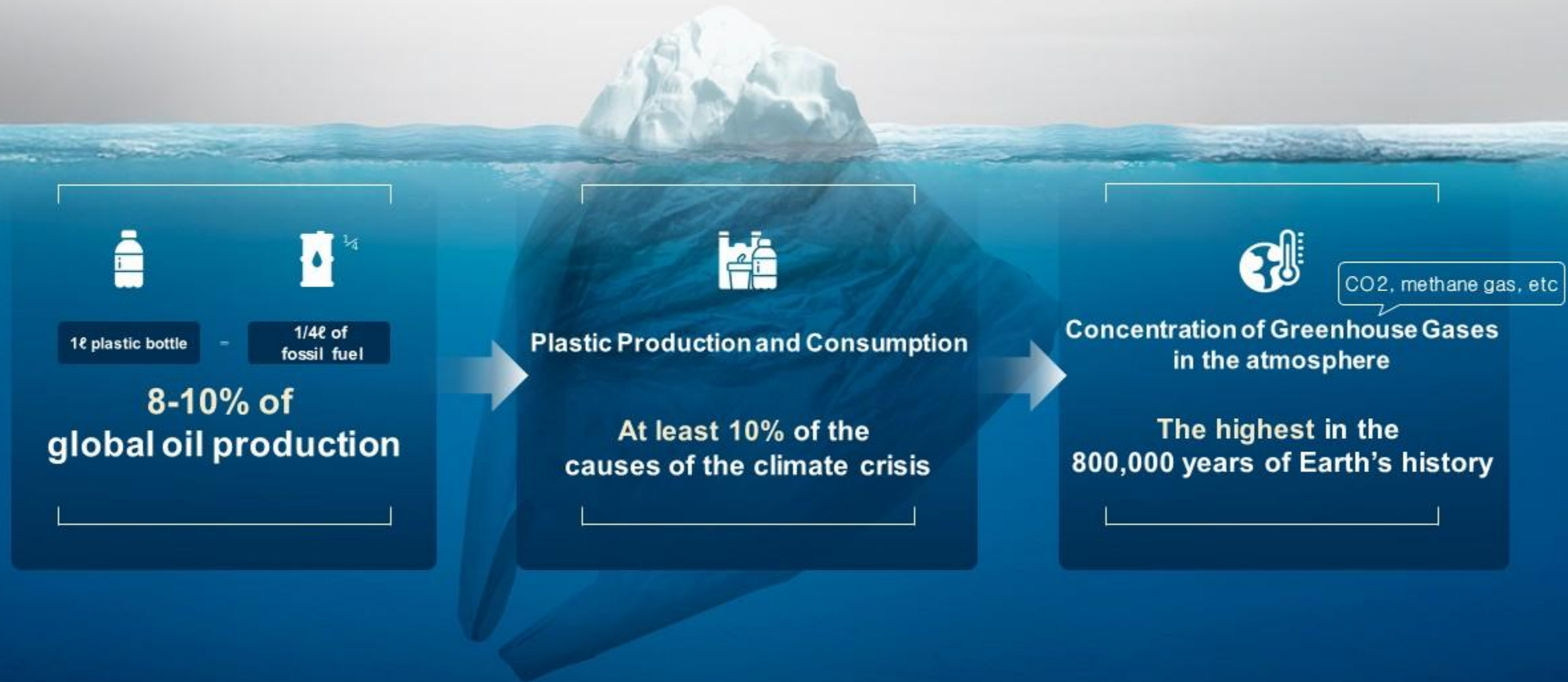
Decline in Korean
Fir over 100 years

48.1%

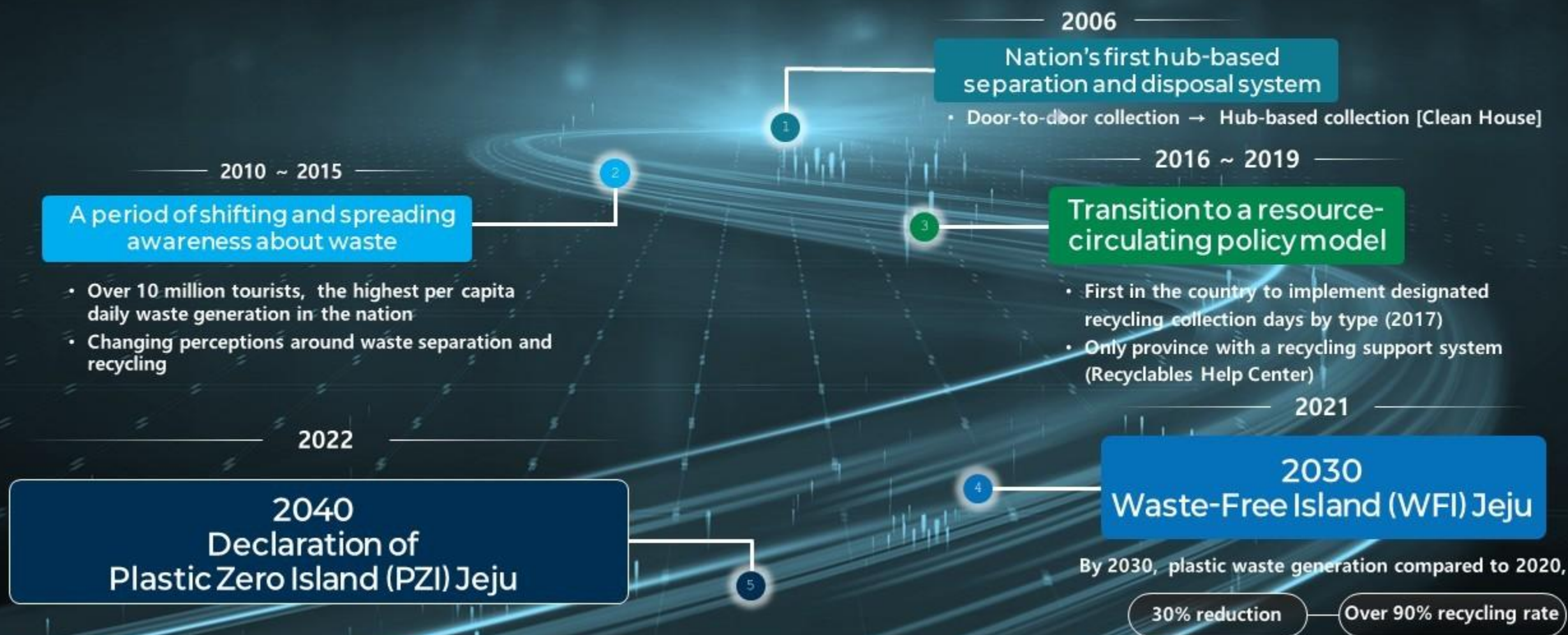
Sea level rise
in 29 years

13cm

Invisible Connections, Plastic-Created Climate Crisis



2040 Plastic Zero Jeju, Vision and Journey



2040 Plastic Zero Jeju

People

Reduce plastic use in daily life and maintain healthy living

Nature

Mitigate biodiversity risks and strengthen ecosystem resilience

Circular Economy

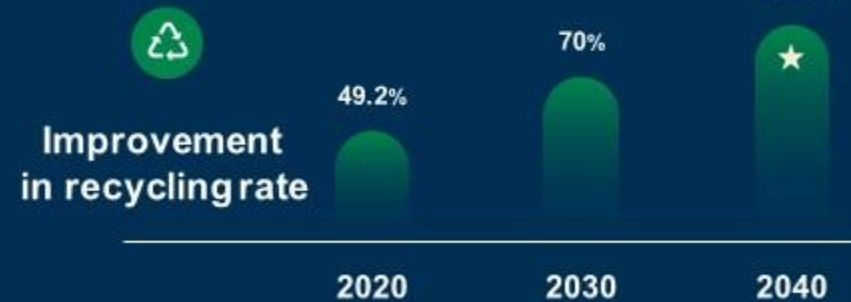
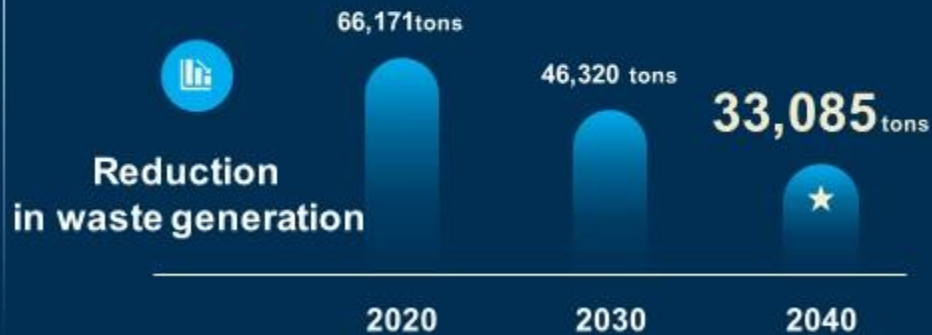
Laying the foundation for turning discarded plastic into reusable resources



50% reduction in waste generation



Recycling rate 100%



Reduction of Plastic Waste and Expansion of Recycling

The Nation's Only Hub-Based Collection System

- 1,651 Cleaning Houses
- 195 Recycling Support Centers (to expand to 300 by 2030)
- Exported to Bontang City, Indonesia (selected for KOICAODA)



Reusable Container Initiatives

- Promotion of Reusable Container Use (since 2022)
- 2.03million reusable containers provided for events and festivals (since 2024)
 - ※ 43.5 tons of plastic reduced
- Expansion to multi-use facilities such as public campgrounds (Jun. 2025)
- Jeju Value Meal Support Service (Jul. 2025)
- Integration with delivery apps (Aug. 2025)
- Operation of reusable container washing centers (1 public, 1 private)
- Conversion to reusable containers at 40 cafés in Udo
 - ※ 190,000 items, reducing 4.5 tons of plastic



Deposit System for Disposable Cups

- Nation's first implementation (since Dec. 2022)
- Cup return rate: 63.1% (Sep. 2025)
- Over 13.09 million single-use cups collected (Sep. 2025)
 - ※ 110 tons of plastic reduced



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 Food Waste Resource Recovery Facility (May 2024)

- Facility capacity: 340 tons/day

Utilization of Bio-based Clean Energy
through Resource Circulation

Organic waste-to-biogas facility (300 tons/day),
Expansion of green hydrogen
production using biogas (2,500 kg/day)



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

A Globally Recognized Green Growth City



Jeju Will make it happen!