

# Engagement and Awareness of Younger Generations on High-level Radioactive Waste in KOREA

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**I. Awareness of Younger Generations on HLW**

**II. Support Project for Universities and Graduate schools**

**III. Personal Suggestion to Younger Generations**

## 1. Results of Awareness Survey of HLW

(Period : Nov. 6<sup>th</sup>~23<sup>rd</sup>, 2023, No. of People : 1,502)

Ages	No. of people	Awareness of Nuclear Power			Awareness of HLW		
		Unaware	Uncertain	Well aware	Unaware	Uncertain	Well aware
20's	232	24.6%	46.6%	28.9%	41.8%	40.9%	17.2%
30's	226	19.5%	43.4%	37.2%	41.6%	40.7%	17.7%
40's	271	18.5%	50.6%	31.0%	30.6%	56.8%	12.5%
50's	295	10.2%	60.0%	29.8%	23.4%	60.7%	15.9%
over 60's	478	7.9%	51.3%	40.8%	16.3%	60.0%	23.6%

## 2. Results of Deliberation Survey on the Core Values for supporting the DGR Host Site

(Period : Dec. 3<sup>rd</sup>, 2023, No. of younger People : 70)

Core Value	Consent Rate
Responsibility for the safety of local residents	55.6%
Transparency and Governance through Information Disclosure	19.4%
Economic feasibility for the development of the host area	8.3%
Eco-friendliness and resilience	8.3%
Differences in Support for Correction of Inequality	8.3%

### ✓ Support for University's Curriculum

- [Purpose] Training of students with practical skills in the field of disposal safety and site selection on HLW management
- [Current status] Supporting to 6 universities (2 universities each in the fields of nuclear power, geology, and water solubility) that proposed excellent projects\* for up to 5 years (2023~)

\* (Project) ① Optimization of HLW characteristics and disposal containers, ② optimization of radiation impact assessment for HLW management using Goldsim, ③ Investigation and analysis of geological elements of natural barriers in disposal systems, ④ Improvement of awareness of HLW management, ⑤ Strengthening communication, ⑥ Management of social conflicts

### ✓ Support for Graduated School's Curriculum

- [Purpose] Training of experts with technology convergence talents and engineering-humanities convergence talents on HLW management
- [Current status] Supporting to 4 graduate schools (2 technology convergence types and 2 engineering-humanities convergence types) by evaluating the proposed curriculum for up to 4 years (2024~)

## ✓ Characteristics of HLW Management Project

- A project that requires continuous technological development to secure the scientific and technological solutions because it must ensure safety for more than 100,000 years
- A project with a great potential of growth in the future as early-stage businesses
- A project that requires improving the understanding and awareness of the younger generation as well as the public on HLW in the future because of low social acceptance at present
- A project that requires solidarity and consensus between the present and future generations

## ✓ Personal Suggestion to Younger Generations

- The HLW management project is such as a blue ocean, so there will be many opportunities for younger generations.
- So, I hope that younger generations will pay a lot of attention to HLW management and participate in the policy-making process as future policy makers and implementers.

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**Thank You for your attention!**

