

EVT2404163: IAEA-KINS BASIC TRAINING COURSE ON RADIATION SAFETY

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The IAEA-KINS Basic Training course on Radiation Safety was held from 1st until 12th September 2025 at Korea Institute of Nuclear Safety (KINS), Daejeon, Republic of Korea. The event aims to provide the participants with fundamental knowledge on radiation safety principles, including the relevant legal and regulatory frameworks. It is primarily designed for junior professionals involved in radiation activities.

The training was attended by 18 participants representing eleven countries, which were Bangladesh, Brunei Darussalam, Indonesia, Lao P.D.R, Malaysia, Mongolia, Myanmar, the Philippines, Singapore, Sri Lanka, and Thailand. All representatives must deliver a country presentation regarding the safety culture that includes the regulatory framework, regulatory activities, and challenges.

The training covered critical regulatory aspects such as the control of radiation sources, transport of radioactive material, NORM regulation, and source security. Special attention was given to the practical implementation of the ALARA principle, as well as the management of planned, emergency, and existing exposure situations. Sessions on radioactive waste management, including predisposal, disposal, and management of disused sealed radioactive sources (DSRS), further enhanced participants' understanding of the radiation safety lifecycle.

In addition to the technical programme, participants also took part in a cultural event, which included a visit to the Gapsa Temple. This cultural visit provided an opportunity to experience Korea's rich heritage, foster cross-cultural understanding, and strengthen networking and increase bonding among participants through informal interaction and shared experiences.



The Malaysian representative delivered a country presentation.



Lecture for radiation safety on IAEA regulations.

Program Highlights:

- **Comprehensive radiation safety foundation** covering IAEA Safety Standards, ICRP recommendations, and GSR Part 3 requirements.
- **Focus on regulatory frameworks**, including control of radiation sources, transport regulations, NORM regulation, and source security.

- **Occupational radiation protection and dosimetry**, including external and internal dose assessment, bioassay methods, and exposure assessment.
- **Application-oriented sessions** on industrial and medical uses of radiation, radiation monitoring, and laboratory practices.
- **ALARA implementation and exposure situations**, covering planned, emergency, and existing exposure scenarios.
- **Hands-on learning through group exercises**, focusing on PPE selection and dose estimation.
- **Technical visit to KAERI Advanced Radiation Technology Institute**, providing real-world exposure to advanced radiation technologies.
- **Radioactive waste management modules**, covering predisposal, disposal, and DSRS management
- **Assessment and certification**, with written tests for both weeks and a Certificate of Completion awarded at the closing session.



Technical Visit to KAERI Advanced Radiation Technology Institute.