Poland

IAEA Member State since July 1957

Selected achievements

2022: An Operation and Maintenance Assessment for Research Reactors (OMARR) review mission is conducted to improve the operation and maintenance of the Maria Research Reactor, aiming to achieve high levels of availability, reliability, and performance.

2019: To improve Poland's nuclear safety regulatory framework, a licensing simulation exercise for nuclear power plants is conducted under the national Advanced Licensing Exercise Project to improve Poland's nuclear safety regulatory framework.

2017: An IAEA Integrated Review Service for Radioactive Waste and Spent Fuel Management, Decommissioning and Remediation (ARTEMIS) is conducted, supporting Poland in fulfilling its obligations for the responsible and safe management of spent fuel and radioactive waste.

National priorities

- Introduction of nuclear power
- Nuclear and radiation safety

Main areas of IAEA support

- Development of nuclear power infrastructure
- Nuclear safety regulatory systems

An Operation and Maintenance Assessment for Research Reactors (OMARR) review mission took place in 2022. (Photo: National Center for Nuclear Research)

Project successes

Nuclear applications

With IAEA support, Poland has enhanced the proficiency of its national nuclear institutions in the safe and secure use of nuclear technology, particularly in radiation processing.

Specialized training and fellowships have contributed to the development of expertise in various fields, significantly strengthening Poland's competence in applying nuclear technology for different applications.

Nuclear power

The National Atomic Energy Agency (PAA) enhanced its capacities for nuclear power plant licensing with support from the IAEA.

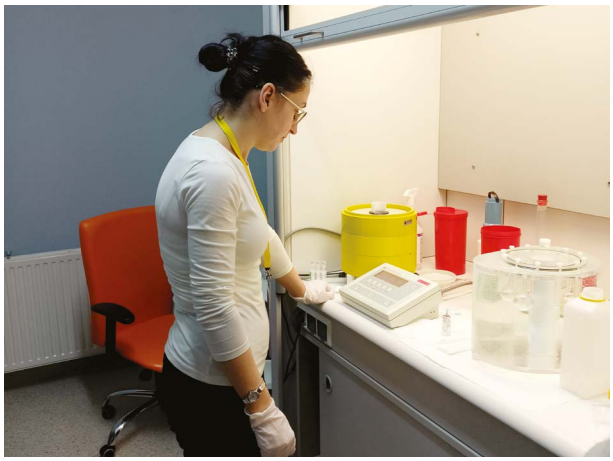
Expert missions were organized to strengthen and improve the regulatory infrastructure for nuclear, radiation, radioactive waste and transport safety.

The IAEA also facilitated on-the-job training for nuclear regulatory staff, allowing them to benefit from the experience of regulatory bodies in countries with advanced nuclear programmes.

Nuclear and radiation safety

IAEA assistance facilitated the delivery of important equipment to the Laboratory of Biological Dosimetry at the Institute of Nuclear Chemistry and Technology, an IAEA Collaborating Center. This support played a key role in establishing state-of-the-art biodosimetry services in the only such laboratory in Poland.

Additionally, with IAEA support, Poland implemented a project aimed at improving radiation protection in cancer treatment through calibration, standardization, and the strengthening of quality assurance/ quality control (QA/QC) procedures.



A TC supported national workshop is held on SUV (Standardized Uptake Value) standardization at Oncology Centre Bydoszcz in March 2023. (Photo: National Centre for Radiation Protection in Health Care (KCORwOZ))

Participation in the major initiatives

- ZODIAC

IAEA support received in the 21st century

35
national TC projects implemented

279 (115 women)
fellows and scientific visits

622 (272 women)
training participants

1423 (358 women)
meeting participants

274 (45 women)
expert missions received

Contributions to South-South and triangular cooperation

441 (152 women)
fellows and scientific visits hosted

344 (177 women)
meeting participants hosted

489 (110 women)
expert missions supported