Armenia

IAEA Member State since September 1993

Selected achievements

2023: The National Centre of Oncology installs a new brachytherapy system to treat cancer patients.

2023: The Hydrometeorology and Monitoring Center of the Ministry of Nature Protection acquires the capacity to determine total mercury concentration in solids, semi-solids and liquids and identify contamination levels.

2021: The Armenian Nuclear Regulatory Authority strengthens its safety review and assessment capabilities and renews the license of the Armenian NPP for an extended period of operation.

The nuclear medicine team of the National Center of Oncology, Yerevan, Armenia. (Photo: A. Sargsyan/National Center of Oncology, Armenia)

National priorities

- National regulatory infrastructure
- Nuclear and radiation safety
- Nuclear power
- Human health
- Water and environment

Main areas of IAEA support

- National regulatory infrastructure
- Nuclear and radiation safety
- NPP operational safety
- Human health
- Environmental radiation monitoring

Project successes

Governmental nuclear regulatory and safety development

The Armenian Nuclear Regulatory Authority (ANRA) has strengthened its nuclear safety and radiation protection capacities in line with IAEA safety standards and international best practice.

The IAEA conducted an Integrated Regulatory Review Service (IRRS) and subsequent follow-up mission at the request of the Government of Armenia and hosted by ANRA in 2015 and 2019.

These missions provided recommendations on the organizational framework and noted ANRA's progress in several areas, including the development of a policy and strategy for nuclear and radiation safety, the adoption of a spent fuel and radioactive waste management strategy, and the establishment of enhanced emergency preparedness and response capabilities.

Nuclear power

The Armenian Nuclear Power Plant (ANPP) in Metsamor supplies approximately 40 per cent of Armenia's electricity. It received expert advice and training from the IAEA to ensure the plant's continued adherence to IAEA safety standards and practices. This assistance was instrumental in ensuring the plant's reliability and safety, allowing its license to remain valid until 2026.

Human health

Armenia's National Centre of Oncology (NCO) enhanced its radiation medicine services with IAEA support.

The NCO bolstered its nuclear medicine unit with a state-of-the-art SPECT/CT scanner and auxiliary equipment, expanding the availability of nuclear imaging procedures and radionuclide therapy for cancer patients.

Additionally, the hospital improved its radiotherapy and brachytherapy services through specialist training and procuring modern equipment, including an advanced 3D brachytherapy system.

The IAEA's comprehensive support, encompassing technology acquisition, expert services, and training has ensured ongoing excellence in nuclear medicine and radiation oncology in Armenia.

The new Mediso AnyScan SPECT/CT System in operation at Armenia's National Centre of Oncology. (Photo: A. Sargsyan/ National Center of Oncology, Armenia)

Participation in the major initiatives

- Rays of Hope
- ZODIAC

Date of imPACT Review(s)

2019, 2012

IAEA support received in the 21st century

42
national TC projects implemented

304 (36 women)
fellows and scientific visits

502 (136 women)
training participants

1781 (294 women)
meeting participants

499 (58 women)
expert missions received

Contributions to South-South and triangular cooperation

23 (14 women)
fellows and scientific visits hosted

13 (1 woman)
meeting participants hosted

48 (14 women)
expert missions supported