



# RADIOACTIVE WASTE MANAGEMENT IN POLAND

[Aneta Korczyc]
Radioactive Waste and Spent Nuclear Fuel Management 13<sup>h</sup> of MAY, 2025



#### DEFFINICTION OF RADIOACTIVE WASTE

- According to the Atomic law act, it is any solid, liquid or gaseous material, that:
  - contains radioactive substance or is contaminated with such, an
  - its further utilisation is not planned, and
  - has been classified according to proper regulations.

## MEDICINE



Contaminated personal
 protective equipment and
 medical instruments, disused
 sealed radioactive sources

# RESEARCH



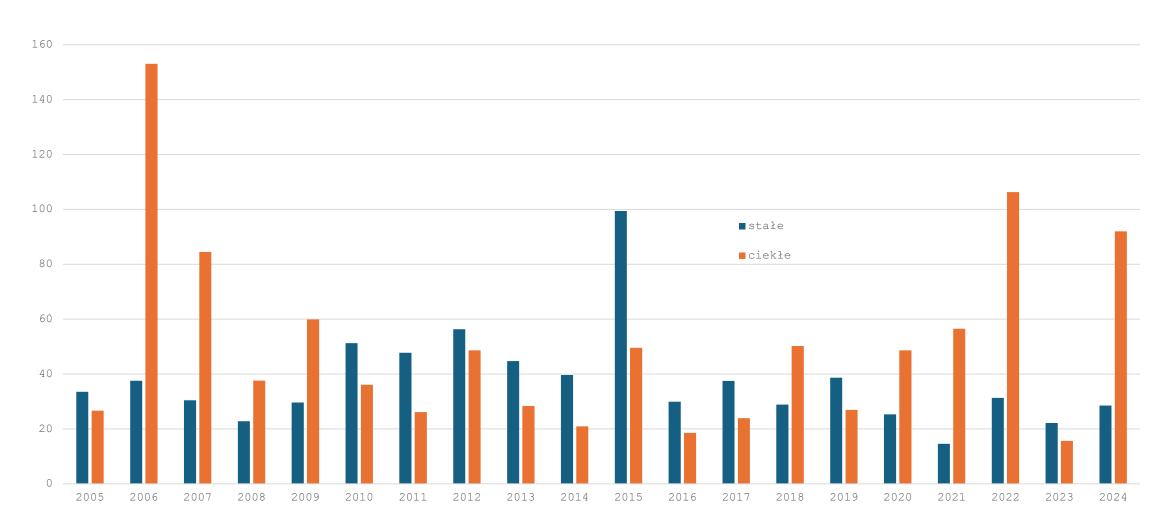
 Radioactive waste from research reactor MARIA and scientific institutes

# INDUSTRY



 Disused Sealed radioactive sources from radioisotope smoke detectors and defectoscopes

# COLECTED WASTE 2002-2024





#### Our mission

to serve the society to ensure safe management of radioactive waste and spent nuclear fuel.

#### Our vision

a reliable and effective institution, that utilises expert knowledge, as well as modern and proven technologies to ensure that people and the environment are protected from potential impact of radioactive waste arising in different technological processes in

## STATUTORY ACTIVITIES

• Management of radioactive waste and spent nuclear fuel

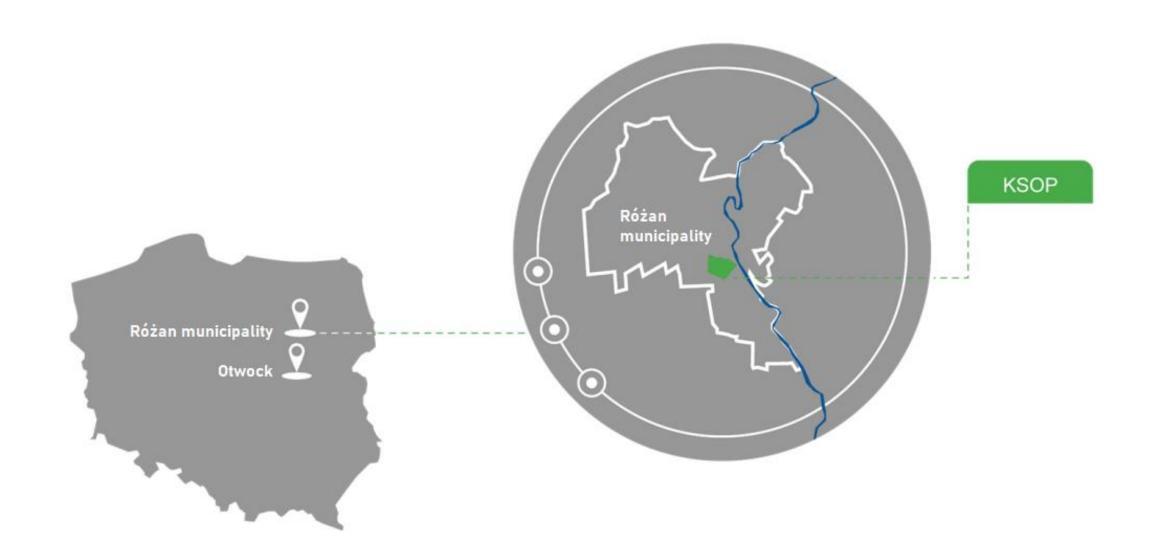
20BB200-04 20CB200-078 20CB200-02 20CB200-02

• Collection, transport, storage and disposal of nuclear material, radioactive sources and



• Communication and
education activities
regarding management of
radioactive waste and









## DISPOSAL FACILITY

• Located in municipality of Różan, 80 kilometres north of Warsaw.

• Commissioned in 1961



Różan Fort no. III was adapted for the facility

### DISPOSAL FACILITY

• Near-surface repository

• Disposed radioactive waste - about 44 TBq of activity and 4 219,4 m³ of volume.

• The repository and adjacent areas are subject to





**GRASS** 

.to









• The new repository will allow for disposal of short-lived low- and intermediate-level waste.

• Anticipated operational period - over 100 years.

• Based on a multi-barrier concept.



Conceptual design of a disposal facility - cross-section







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