



Funded by the
European Union

Co-funded by the
French Government



Strengthening nuclear safety regulatory capacity in Africa

INSC Nuclear Safety in Africa

Context

Across **Africa**, the use of **ionizing radiation** is expanding in industry and research, for power generation and for diagnostic or therapeutic applications. This growth requires robust **regulatory frameworks** to ensure nuclear safety, protecting both populations and the environment. In response to requests from **six countries** and with the support of the **European Union**, the project aims to strengthen the **capacity** of **national regulatory authorities**. It is based on a **bilateral** approach, enabling **support tailored** to each country's specific needs.

Objectives

- ➔ Promote an effective **nuclear safety** and **radiation protection culture** across Africa, in line with the highest international safety standards.
- ➔ Strengthen the **capacity, independence** and **long-term sustainability** of the nuclear regulatory authorities in the beneficiary countries.
- ➔ Implement a **flexible** and **adaptable cooperation strategy**.

In brief



Duration

December **2024** – December **2028**



Budget

€4.9 million



Funding

Provided by the **European Commission's Instrument for Nuclear Safety Cooperation** (INSC) and the **French Government**.



European partners

Led by **Expertise France**, in cooperation with European nuclear safety authorities and technical support organisations:

- **ASNR** (France)
- **BELV** (Belgium)
- **Bureau Veritas** (France)
- **CSN** (Spain)
- **GRS** (Germany)
- **STUK** (Finland)
- **SUJB** (Czech Republic)

Beneficiary countries

Egypt



Ghana



Kenya



Morocco



Nigeria



South Africa



Components



Project management

Management and implementation of the cooperation strategy.



Scoping missions

Assessment of beneficiary countries' needs to support action plan development.



Radiation protection & waste

Strengthening regulatory capacity for radiation protection assessment and radioactive waste management (including spent fuel).



Safety assessment

Support for nuclear safety assessments, including deterministic and probabilistic methods.



Regulatory frameworks

Harmonisation of regulatory frameworks and alignment with international standards.



Public communication

Strengthening technical capacity for communication on nuclear safety and radiological risks.



Emergency preparedness and response system

Strengthening emergency preparedness and response systems, including monitoring, coordination and specialised emergency centres.



Capacity building

Long-term technical assistance to strengthen institutional and technical capacity.

Expected results

- Development and implementation of an adaptive action plan and cooperation strategy covering nuclear safety, radiation protection, radioactive waste management, communication, emergency preparedness and response.
- Strengthened technical and regulatory capacity of beneficiary nuclear safety authorities.

Implementing partners



Expertise France - French agency for international technical cooperation



ASNR - French Authority for Nuclear Safety and Radiation Protection



BELV - Belgian Nuclear Technical Assistance Organisation



Bureau Veritas - Company specialising in inspection, certification and technical services



CSN - Spanish Nuclear Safety Council



GRS - German Society for the Safety of Nuclear Facilities and Reactors



STUK - Finnish Radiation and Nuclear Safety Authority



SUJB - Czech State Office for Nuclear Safety



Koeberg Nuclear Power Station, South Africa