



Sogin Academy

*Sharing experience
Improving know-how*

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SOGIN ACADEMY

The diagram depicts a classical building facade with a triangular pediment. The pediment contains the text 'SOGIN ACADEMY'. Below the pediment is a horizontal entablature, followed by a row of eight vertical columns. Each column is labeled with a specific area of focus. The columns are supported by a base, which is a wide horizontal bar containing the text 'CANDIDATE AS IAEA COLLABORATING CENTRE'.

RADWASTE MGT. SCHOOL

INTERNATIONAL TRAINING

CIRCULAR ECONOMY

TALENT MANAGEMENT

UNIVERSITIES

BLOCKCHAIN

PPDI

INNOVATION

CANDIDATE AS IAEA COLLABORATING CENTRE

RADWASTE MANAGEMENT SCHOOL



2018 PERFORMANCE



221

Number of
courses
organized



2,902

Teaching hours



11,592

Hours of training
on nuclear safety



7,737

Hours of training
on safety at work



802

Number of
participants

TRAINING FOR EMPLOYEES

2018 hours of training



208

Orientation for
new recruits



1,180

Management
training



9,079

Technical training



240

Training on the
job



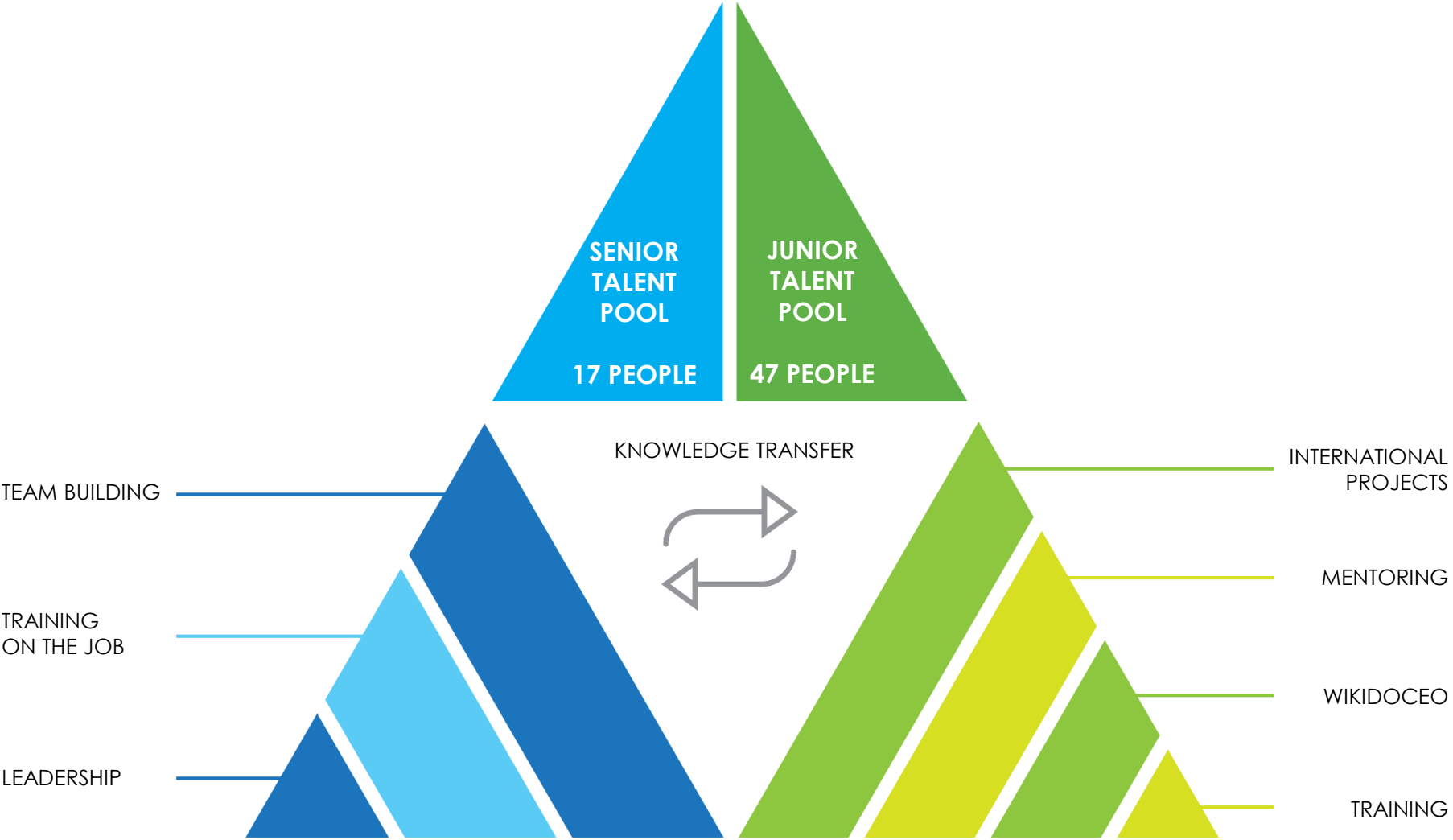
10,707

Total training
hours

INTERNATIONAL TRAINING



TALENT MANAGEMENT



Wikidoceo

Reincapsulamento degli Elementi di Combustibile ERR

La piscina dell’Impianto ITREC attualmente ospita 64 elementi di combustibile irraggiato Elk River, del tipo Uranio-Torio.

Per consentire lo svuotamento della piscina gli elementi di combustibile saranno stoccati a secco in due cask metallici.

I cask metallici, del tipo *dual-purpose*, sono idonei sia al trasporto che allo stoccaggio. Le operazioni di reincapsulamento sono necessarie e preliminari al caricamento del combustibile nei due casks.



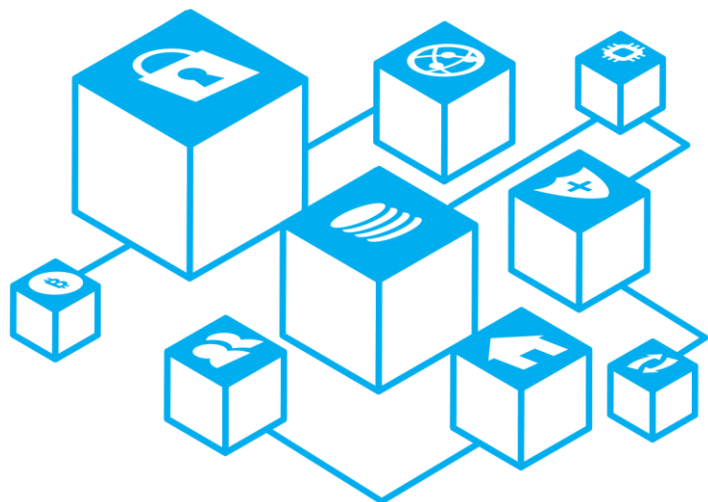
Lucia Paradiso

Disattivazione Trisaia



- ❖ Support to Universities for 1-level masters:
 - **University of Eastern Piedmont** (D&WM)
 - **University of Bari** (D&WM)
 - **University "Tor Vergata" of Rome** (CBRN)
 - **"La Sapienza" University of Rome**
(characterization and environmental remediation of nuclear sites)
- ❖ Research and development, in collaboration with **CIRTEN**, on the following topics thanks to **3 grants**:
 - Development and technological innovation
 - Safety management
 - Program and project management
- ❖ Participation to the "European Learning Initiative on Nuclear Decommissioning and Environmental Remediation" (**ELINDER**) consortium coordinated by the European Commission Joint Research Centre (JRC)
- ❖ Participation to the Nuclear Education, Skills and Technology (**NEST**) Framework of OECD/NEA

BLOCKCHAIN

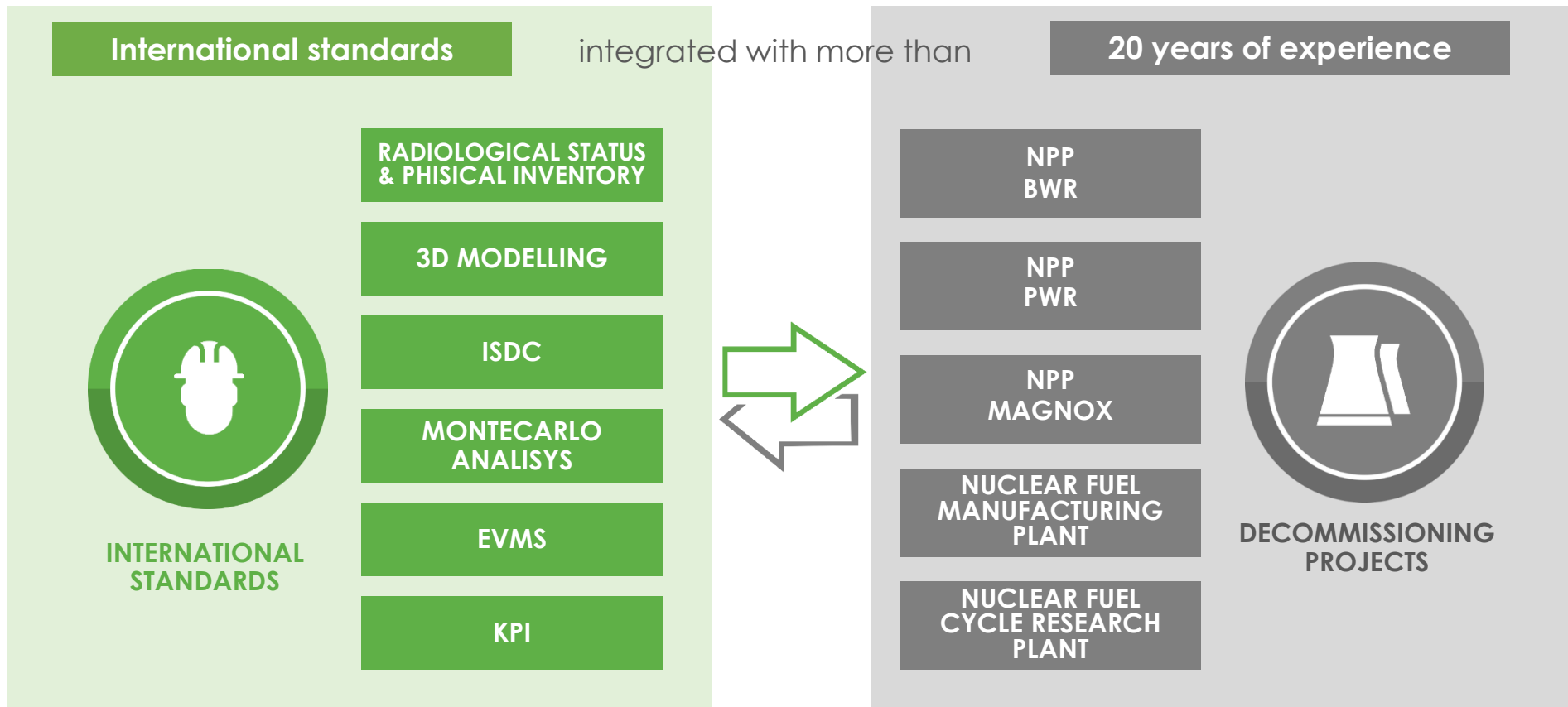


Sogin's new information system for radioactive waste and materials management will use DLT/Blockchain technology in order to “certify” all the life cycle of waste and materials

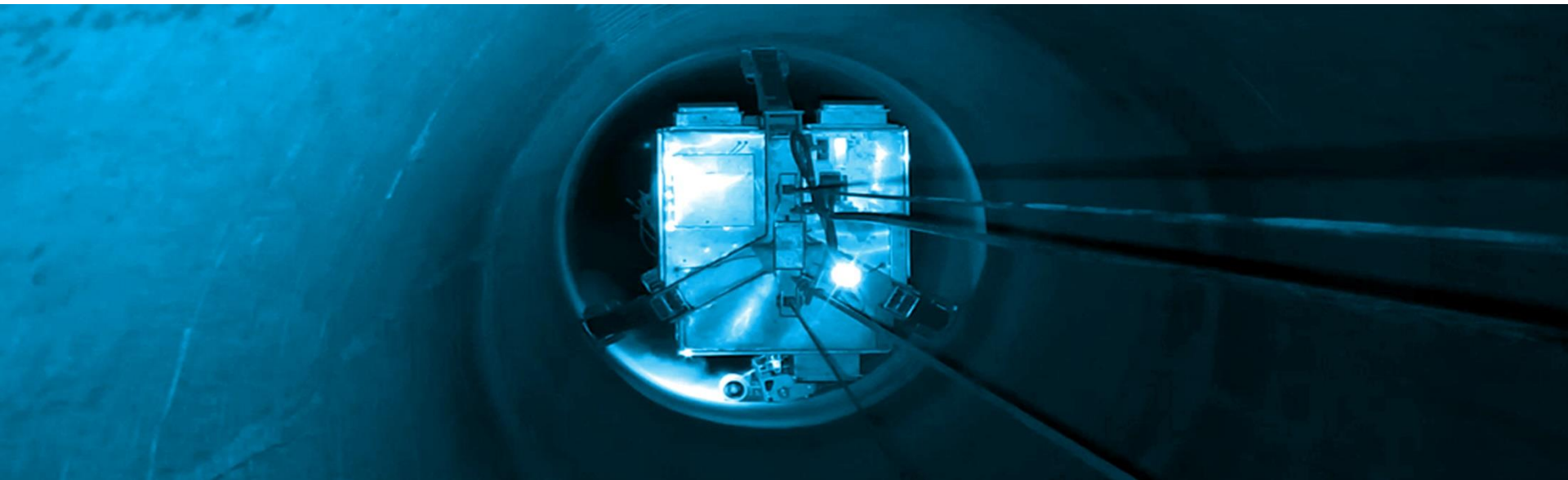
Plus:

- trial of DLT/blockchain and IoT systems dedicated to the tracking of radioactive waste management and to the monitoring of environmental indicators, both radiological and conventional
- increase in transparency and consequently in trust and social acceptance
- management and tracking of Sogin's circular economy flow
- experimental use of DLT/blockchain technology to track hazardous waste
- implementation of a commercial tool to propose in Italy and abroad

PPDI® is a comprehensive approach based on:



- Design, **construction and use of a robot**, equipped for the scarification of the internal concrete surface of the chimney of the Garigliano nuclear power plant
- Design of an **innovative treatment and conditioning system**, by cementing, of radioactive liquid waste of medium activity contaminated by plutonium
- Development of a **wide range of conditioning cement matrices** and their qualification for the conditioning of aqueous liquid waste, aqueous liquids with high salt content, aqueous liquids with sensitive amounts of organic liquids and solids



COLLABORATING CENTRE CANDIDATE



Sogin applied to become a **IAEA Collaborating Centre**



The Office of the International Atomic Energy Agency

Activities:

- To promote **innovations in decommissioning** (e.g.: robotics and tools for decommissioning, waste management, etc.)
- To facilitate **knowledge sharing** on current good practice
- To promote long-term **development of a skilled workforce** in waste management and decommissioning activities





**We protect the present
We guarantee the future**