



# PRACTICAL STEPS TO MANAGE KNOWLEDGE TRANSFER EFFECTIVELY

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Vienna, Sept. 19<sup>th</sup> 2017

# NUCLEAR KNOWLEDGE TRANSFER

Nuclear life cycle is a long term project.

From the moment the first stone of a nuclear reactor is placed, up to the moment the site is released, can pass more than a century.



# NUCLEAR KNOWLEDGE TRANSFER

- **Nuclear Knowledge Management** has become an increasingly important element of the nuclear sector in recent years
- Securing human resources and the required skills appears to be **challenging**, especially after the nuclear program shutdown (*from 1986 onwards*)
- In Sogin, implementation of knowledge transfer is guaranteed by a **specific training program**:

## HOW?

Training on the job

Training courses within the Radwaste Management School

International conferences and working groups

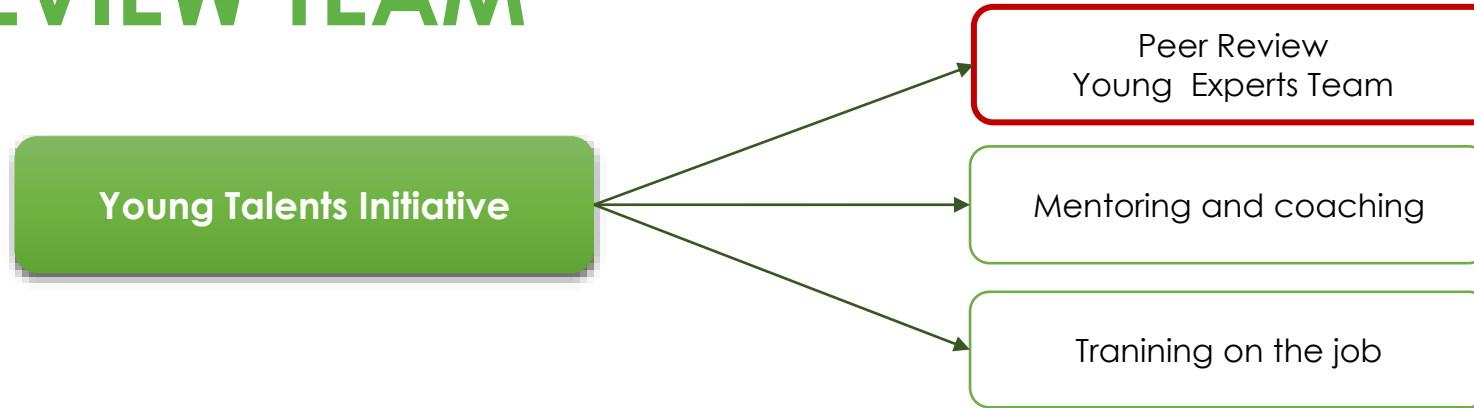
## WHY?

Ensure an effective future leadership

Maintain strong safety culture

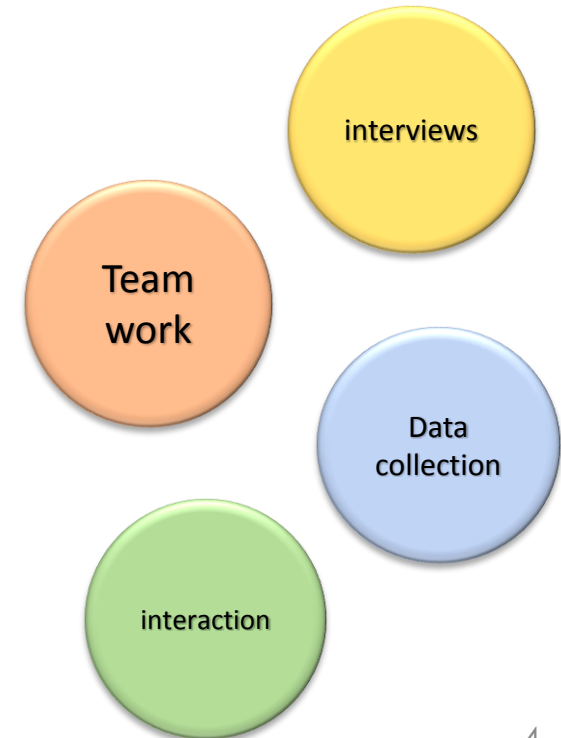
Keep up with technology development

# YOUNG TALENTS INITIATIVE PEER REVIEW TEAM



The preparation of the **Site Task Dossier** required in-depth analysis of:

- **Past operations** for each nuclear power plant or FCF
- **Decommissioning** strategy
- Spent fuel, nuclear materials and **waste management** strategy
- Overall **decommissioning plan**
- **Licensing** issues
- **Cost estimation** for future decommissioning activities and **risk analysis**



# YOUNG TALENTS INITIATIVE HERITAGE

#1 Strategy definition

#2 Implementation of Selected Strategy

#3 Execution of Decommissioning Activities



# YOUNG TALENTS INITIATIVE HERITAGE

## International standards



INTERNATIONAL STANDARDS

- RADIOLOGICAL STATUS & PHYSICAL INVENTORY
- 3D MODELLING
- ISDC
- MONTECARLO ANALISYS
- EVMS
- KPI



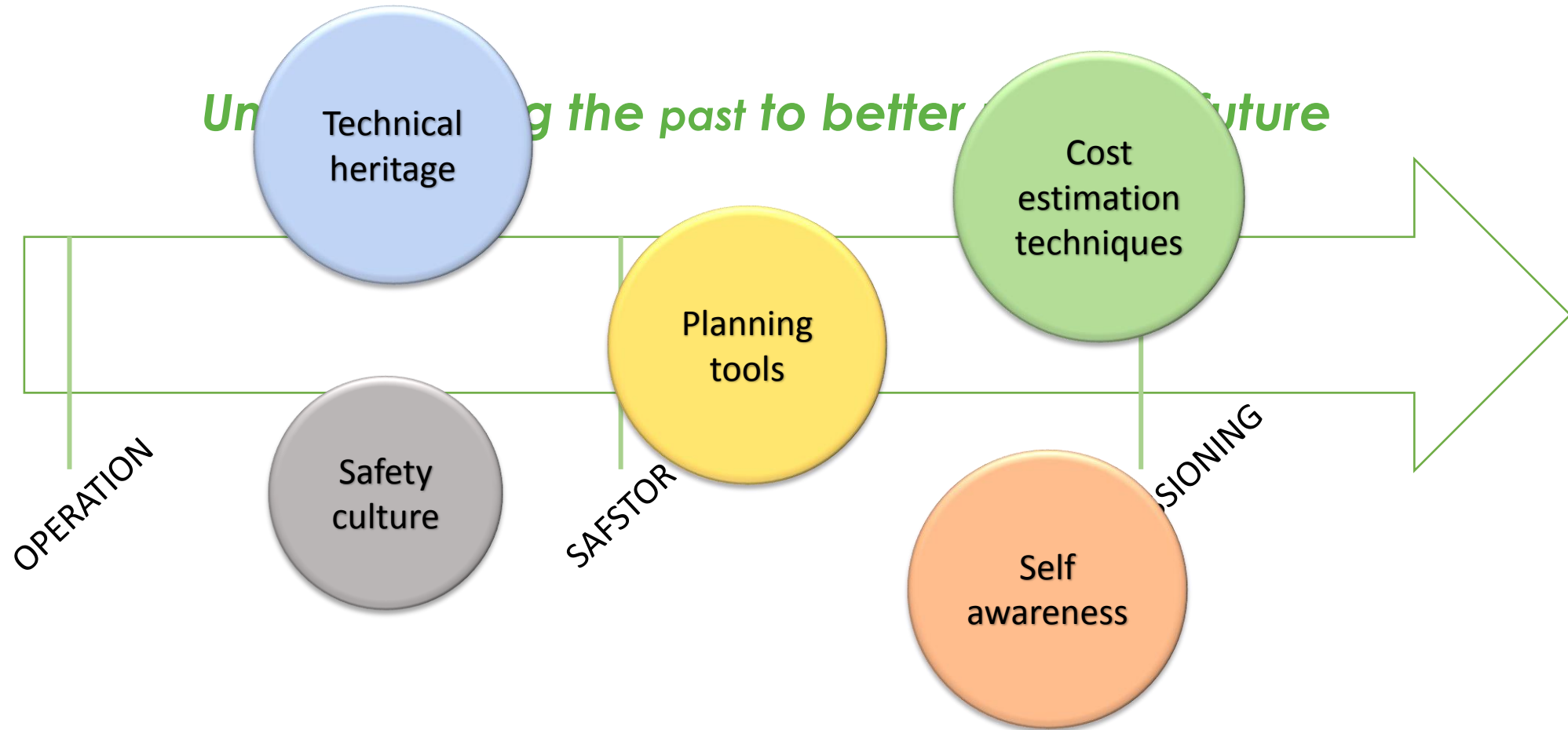
## >20 years of experience

- NPP BWR
- NPP PWR
- NPP MAGNOX
- NUCLEAR FUEL MANUFACTURING PLANT
- NUCLEAR FUEL CYCLE RESEARCH PLANT



DECOMMISSIONING PROJECTS

# YOUNG TALENTS INITIATIVE PEER REVIEW TEAM





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