



# Knowledge management in nuclear and radiation safety regulation in France

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## 1- Introduction

Knowledge refers to an integrated approach of knowledge and know-how.

## 2- The general context

In France, slow-down but no complete stop of the recruitments in the nuclear field.

- No stop in plant construction
- EDF 58 reactors → regular replacement of operating staff

High staff turn-over at ASN



## 3- The regulatory authority

### a) Staff:

- Varied backgrounds
- Competence reference framework
- 151 nuclear safety inspectors → 37 senior inspectors  
62 radiation protection inspectors

### b) Means:

Different ways of summarizing the current knowledge, recording all documents and finding again the information

- Research → development of codes
- ASN → IT-system



### 3- The regulatory authority (cont'd)

#### c) Decommissioning philosophy towards licensees

Decommissioning as early as possible after the shut-down strongly encouraged by ASN, to keep memory of the installation

#### d) Foreign openness:

- Nuclear safety harmonization
- Cross-inspections
- Inspector exchanges
- IRRS mission



### 4- Concluding remarks

**Knowledge, experience and practice sharing are worth developing; regulator must make sure that they contribute to improve safety.**

- *Subcontracted operations*
- *Available resources on the contractor market*
- *To gain competences in the field of new technologies (ITER, generation IV)*
- *To keep competences in older technologies (gas-graphite reactors)*