

# European context: Requirements on management of long- term exposure in the BSS Directive

EU Scientific Seminar: Management of long-term exposure after a nuclear or radiological accident

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# Euratom priorities

Nuclear  
safety

Waste  
management

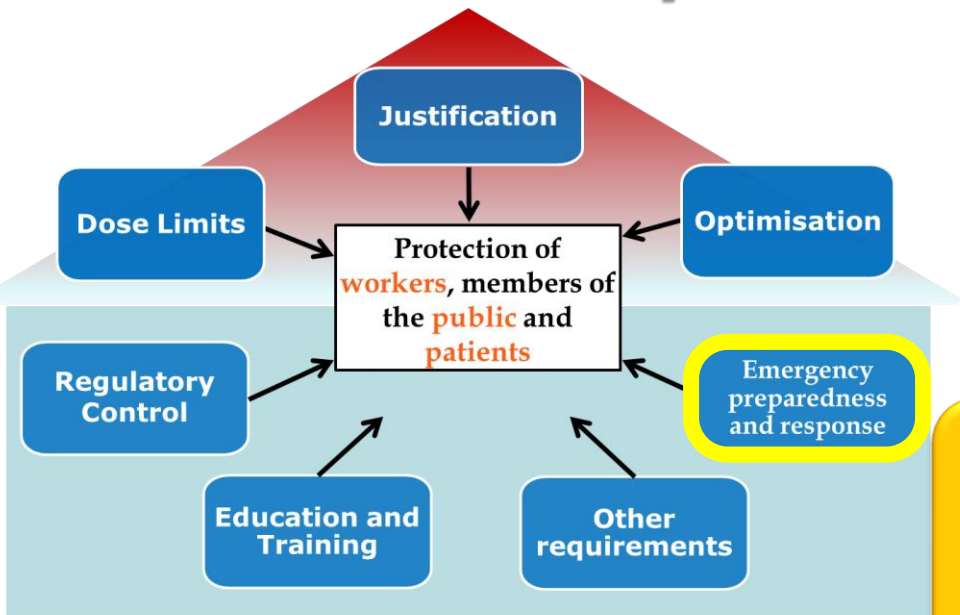


Radiation  
Protection

Emergency  
preparedness  
& response

# New Basic Safety Standards Directive and EP&R

Directive 2013/59/Euratom



## Strengthened EPR requirements

- **Reference levels** (Art 7)
- **Emergency workers** (Art 17)
- **Em. Occupational exposure** (Art 53)
- **Em. Response** (Art 69)
- **Information to the public** (Art 70-71)
- **Em. Management system** (Art 97)
- **Em. Preparedness** (Art 98)
- **International cooperation** (Art 99)
- **Annex I, XI, XII**
  - Reference levels, elements of EMS, ERP, public information

Transposition date: 6 February 2018

# Management of emergency and post-emergency scenarios under the BSS

- **Emergency phase, emergency exposure situation**
- **Transition phase**
- **Long-term consequences management, existing exposure situation**

# Transition phase

## Art 97, 98, 99

- **Emergency management system/emergency plans – to include transition provisions inc. recovery, remediation**
- **Appropriate reference levels for transition, taking account of prevailing situation and societal criteria, may include arrangements to enable individuals to manage their own exposure**
- **Cooperation with other Member States and 3<sup>rd</sup> countries in the transition**

# **Long-term consequences management, existing exposure situation**

## **Art 72,73,100,101,102**

- **Define objectives, long-term goals**
- **Optimised protection strategy for managing contaminated areas (reference levels (1-20mSv/y), delineation of areas, assessment of protective measures and affected public, assessment of doses**
- **Areas with residual contamination, return to normal activities, consultation with stakeholders, control of exposure**

# Long-term consequences management, existing exposure situation

- **Identify and evaluate existing exposure situations, determine occupational/public exposures**
- **Implementation of strategies, coordination between parties, involvement of stakeholders in development and implementation, evaluation of doses and protective measures**
- **Environmental monitoring programme**
- **Support, information provision, self-help protective measures, monitoring, remediation measures**

## EU context

- **The BSS Directive sets out a comprehensive set of requirements for the post-emergency situation**
- **A challenge for effective implementation, and coordination**