

The new Euratom Basic Safety Standards Directive - relevance for Nuclear Emergency Preparedness & Response

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Gerhard Waechter

European Commission

DG ENER

Directorate D - Nuclear Energy



Post-Fukushima initiatives

- **2011 Council mandate:**
 - **EU-wide stress tests of nuclear power plants/ENSREG**
 - **Review legal and regulatory framework for nuclear safety**
- **Revision of the nuclear safety directive**
- **Stress tests follow-up**
- **Study on off-site nuclear emergency preparedness and response**

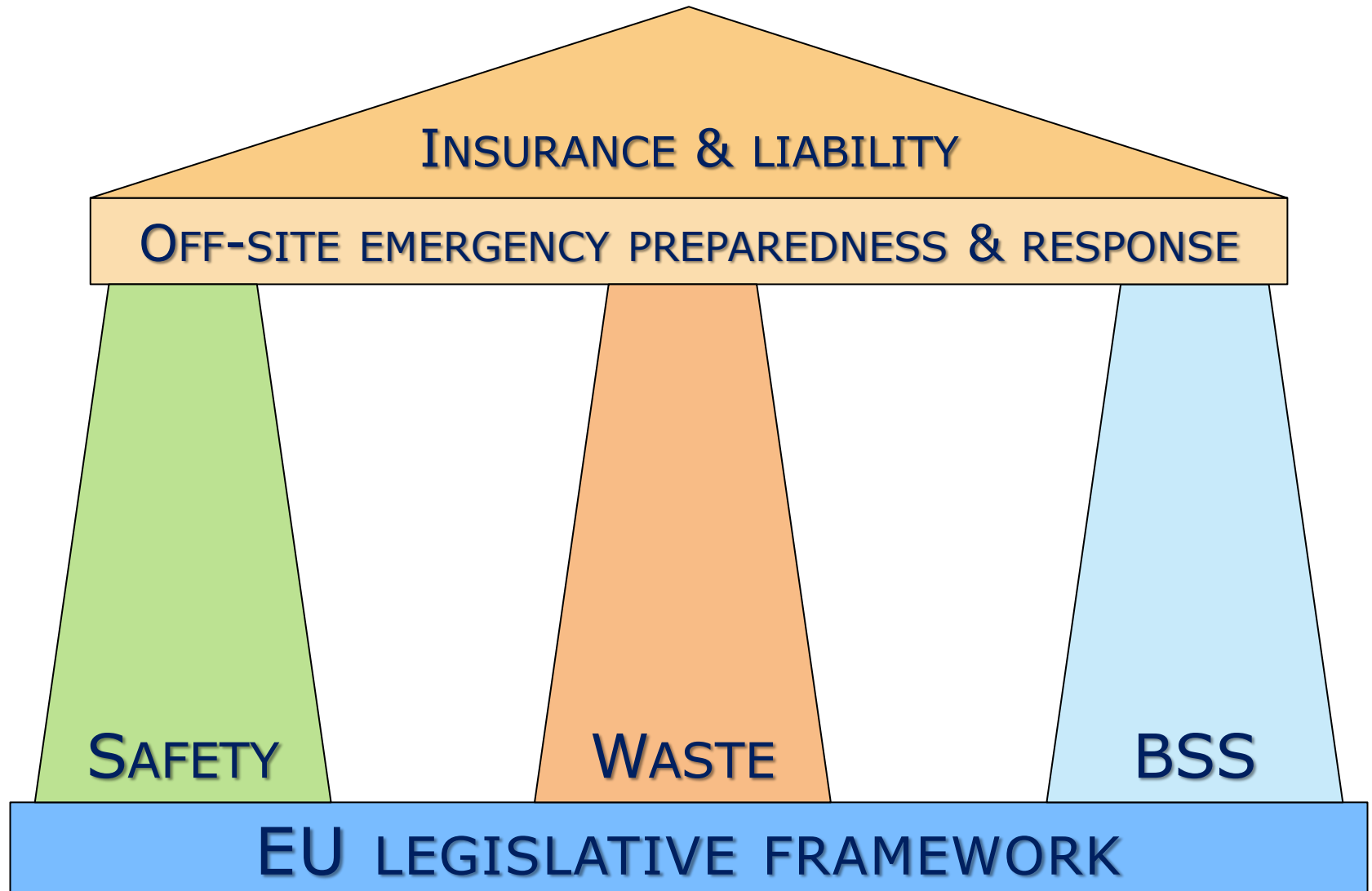


Current initiatives

- **Proposal for revision of the Nuclear Safety Directive (Oct 2013)**
- **Revision of the Council regulation on radioactive contamination of food and feeding stuffs following a nuclear accident:**
 - **discussions on the Commission proposal**
- **Off-site emergency preparedness and response and nuclear third party liability and insurance:**
 - **Joint Communication with proposals for possible improvements**



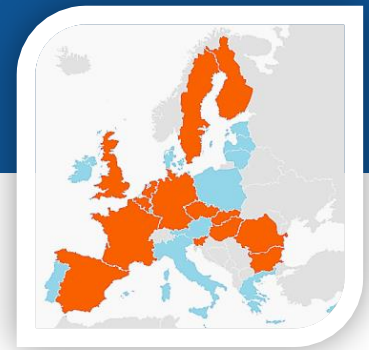
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Basic Safety Standards

- Under the Euratom Treaty (1957), **EURATOM** is required to lay down basic safety standards for the health protection of workers and the public
- Specific provisions on Health and Safety, Article 30, call for **uniform Basic Safety Standards** to be established
- Revision of the 1996 **BSS Directive 96/29/Euratom**



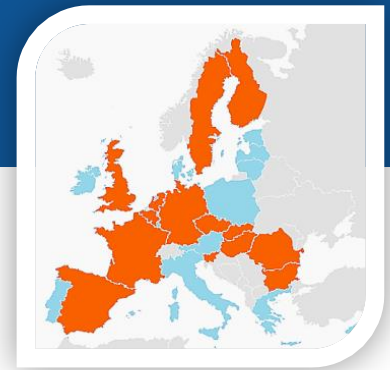
Aim of the revision

- **Updates the European legislation on radiation protection, which has been constantly developed since 1958**
- **Consolidates all relevant Directives and some other legislation**
- **Broadens the application of the standards to the whole range of radiation sources and categories of exposure: occupational, medical, public and environmental**
- **Enhances emergency preparedness**



Revision Process

- **Commission proposal, in Sept 2011 for opinion of the European Economic and Social Committee and in May 2012 for opinion the European Parliament**
- **On 5 December 2013, European Council adoption "Council Directive 2013/59/EURATOM laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation"**



New Basic Safety Standards

- **Directive 2013/59/Euratom**
 - **Contains changes reflecting new international developments**
 - **Benefits from new recommendations of the ICRP, responds to technological advances**
 - **Revision and consolidation** (BSS Directive, Medical Directive)
 - **Integration** (Outside Workers Directive, the Public Information Directive and the High Activity Sealed Sources Directive)



New provisions related to EP&R

- **Strengthened requirements**
 - **Chapter on intervention** (inc emergency planning and response, coordination between neighbouring countries) **in old BSS Directive replaced with more detailed requirements**
 - **Requires thorough EP&R arrangements nationally**
 - **Follows the situation based approach introduced by ICRP** (existing, planned, emergency exposure situations)
 - **Fukushima lessons discussed with Member State input**



Emergency exposure situations

- At a national level, a comprehensive approach:
 - Emergency management system
 - Assessment of potential emergency situations
 - Emergency preparedness, response plans
 - International cooperation



Emergency management system (Art.97, Annex XI)

- **Based on assessment of potential emergency exposure situations**
 - **Assessment of situations and associated public and worker doses**
 - **Organisation and allocation of responsibilities**
 - **Reliable, effective communication, cooperation, coordination at national/international levels**
 - **Public information, involvement of stakeholders**
 - **Emergency plans**



Emergency Preparedness (Art.98)

- **Prepare emergency response plans**
 - **Based on an assessment of potential emergencies**
 - **Content of plans defined**
 - **Plans to be tested, reviewed, revised (inc emergency exercises)**
 - **Provision for transition from emergency exposure situation to existing exposure**



Emergency Plans (Annex XI)

- **Elements to be included**
 - **Defined protection strategies for different postulated events**
 - **Reference levels for public and occupational exposure**
 - **Arrangements for coordination between organisations**
 - **Prompt implementation of protective measures, based on prevailing conditions**
 - **Review and revision of plans**



International Cooperation (Art 99)

- **Strengthened cooperation between Member States and with 3rd countries**
 - **Arrangements to include organisations in neighbouring countries (eg facility near border)**
 - **Cooperation with other MS and third countries who may be affected**
 - **Sharing the assessment of the emergency, coordinating protective measures, public information**



Public information(Art.70,71)

- **Information provision**

- **Prior information on health protection to the public likely to be affected in the event of an emergency**
- **Prompt information on protection measures in case of an emergency to those actually affected**



BSS Directive next steps

- **Transposition date of February 2018**
 - **Workshops with Member States to assist with transposition**
 - **Discussions on guidelines and recommendations to ensure consistency**



Other EC role in EP&R

- **Initiating and participating**
 - To ensure that all EU Member States are made aware of emergency notified through ECURIE
 - Make information on current radiation levels in Europe available through EURDEP
 - To activate when necessary the emergency foodstuffs regulation for the protection of the citizens and the internal market
 - Advise internal services on radiological issues arising from the emergency



Transparency

- **Stimulate an open debate with stakeholders, civil society**
 - **Publications (national, peer review reports)**
 - **Stakeholder public meetings (eg stress tests)**
 - **Public consultations (new initiatives eg nuclear safety, nuclear liability)**