

EP&R under the Nuclear Safety & Basic Safety Standards Directives

ACN Roundtable

Metz, 21 June 2016

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European Commission

Directorate General for Energy

**Directorate D - Nuclear Energy, safety,
ITER**

**Unit D3-Radiation Protection, Nuclear
Safety**



EU post-Fukushima initiatives

- **European Council mandate:**
 - ❖ **Stress tests of NPPs (2011-2012)**
 - ❖ **Review the legal and regulatory framework for nuclear safety (2014)**
- **Study on off-site nuclear emergency preparedness and response (2013-14)**

Nuclear Safety Directive Amendment

Directive 2014/87/Euratom

- **Independence and role of national regulatory authorities** (Art 5)
- **Transparency informing and involving public**(Art 8)
- **EU-wide safety objective accident prevention, mitigation** (Art 8a)
- **Nuclear safety culture** (Art 8b)
- **EU level topical peer reviews** (Art 8e)
- **On-site EP&R; consistency, continuity with the BSS provisions** (Art 8d)

Basic Safety Standards Directive

Directive 2013/59/Euratom

- **Strengthened requirements, a comprehensive approach on EP&R**
 - **Reference levels** (Art 17)
 - **Occupational exposure, em. response** (Art 53,69)
 - **Emergency management system** (Art 97)
 - **Emergency preparedness** (Art 98)
 - **International cooperation** (Art 99)
 - **Strategies for long-term** (Art 100-101)
 - **Public information** (Art 70,71)

Supporting the Transposition of the Euratom Directives

Nuclear Safety Directive

(Aug 2017)

- Fostering contacts between MS, transposition workshops
- Discuss transposition plans, strategies

Basic Safety Standards Directive

(Feb 2018)

- Exchange experiences
- Facilitate common approaches
- Review applicability of existing guidance, standards



EU Council Conclusions on off-site nuclear EP&R

The European Council, under the LU presidency, adopted a set of Council Conclusions

- **Highlight opportunities to achieve consistent approaches to protect populations**
- **Emphasize coherent protection in cross-border situations**
- **Show importance of off-site EP&R to policymakers, decision-makers and the public**



EU Council Conclusions on off-site nuclear EP&R

... **STRESSING** the benefits of involving civil society in preparedness activities, in particular when organising nuclear and radiological emergency exercises, to increase transparency and public participation, and to improve public confidence in the arrangements...

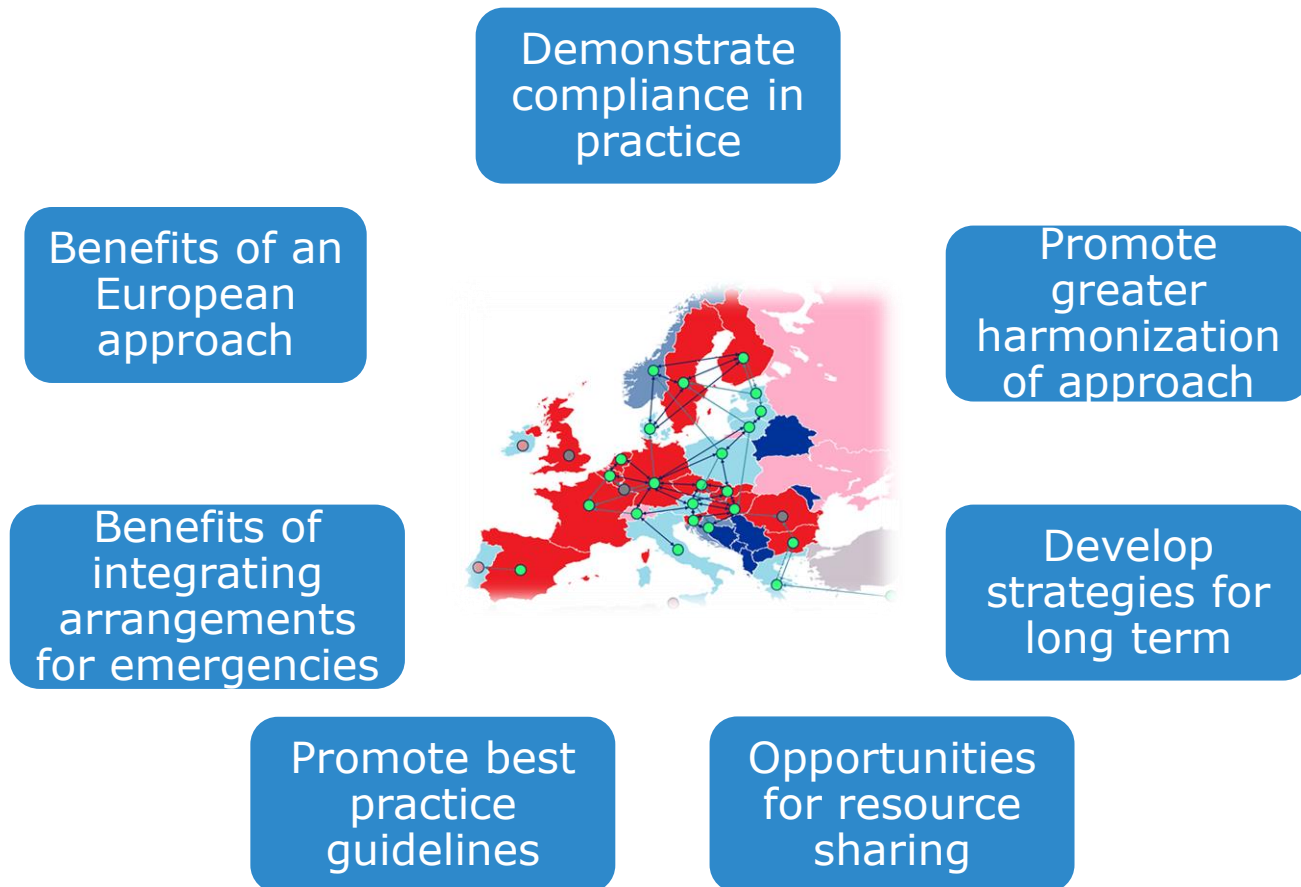


EU Council Conclusions on off-site nuclear EP&R

Invites MS's to ...:

- Take account of work of national experts, competent authorities, on **improved cross-border approaches** for protective measures in context of BSS transposition
- **Cooperate closely...on EPZ's** where cross-border implications
- **Exchange information** about planned, implemented measures..
- Intensify efforts **for joint training and exercises**,
- Maintain, **develop bilateral arrangements** for better coordination, mutual exchange of factsheets,
- Include **alignment of protective measures** in decision-making

ENCO EP&R study recommendations



BSS EP&R Workshop

- **Evaluate MS strategies and plans, questionnaires, hold general workshop, 4 topical workshops 2015-2016**
- **MSs' transposition plans quite well advanced in larger countries**
- **Issues – emergency workers vs. helpers, training of emergency workers, reference levels**
- **Termination of emergencies/transition to existing exp situation**
- **Better alignment and coordination of response measures in cross-border cases was preferred to harmonisation of response criteria.**

NSD, BSS transposition, implementation

**Pre-
transposition
phase**

EP&R:

- Opportunities for better consistency, common approaches

**Dialogue with
Member
States**

- NSD/BSS transposition workshops (nuclear safety objective, reference levels, emergency management system, public communication...)

**Stakeholder
input**

- Roundtables with local liaison groups and civil society (ANCCLI, NTW)
- Expert group input (HERCA-WENRA)
- Nuclear safety regulators (ENSREG)

Identifying needs, areas for further guidance

HERCA WENRA Approach

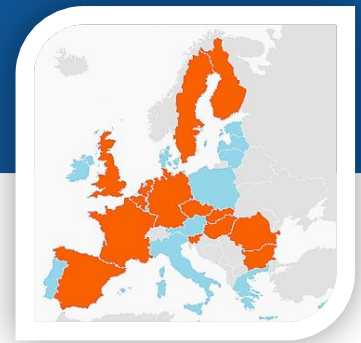
I. Better Cross Border coordination

II. Case of severe accidents

- **Potential to contribute to:**
- **BSS Article 99 – International cooperation**
- **Article 97- Emergency management system**
- **Article 98 – Emergency preparedness**
- **For Member States to evaluate and make best use of guidance**

Civil society participation

- **ENCO/UJV EPR study, 2014**
- **BSS transposition workshop, Oct 2015**
- **European Nuclear Energy Forum, 3-4 Oct 2016**
- **ANCCLI ACN Roundtable on EP&R, 29-30 Nov 2016**
- **NTW Seminar/Roundtable, 1 Dec 2016**
- **Study on public information/communication in 2017**



EP&R

- **Post-Fukushima, EP&R remains important issue**
- **Transposition and implementation of the NSD and BSS - opportunity for better consistency**
- **Council Conclusions: need for more coherence in cross-border situations, benefits of involving civil society**