



Article 31 2012 Scientific Seminar

Protection of the Environment Legal Framework

Revision of Euratom BSS

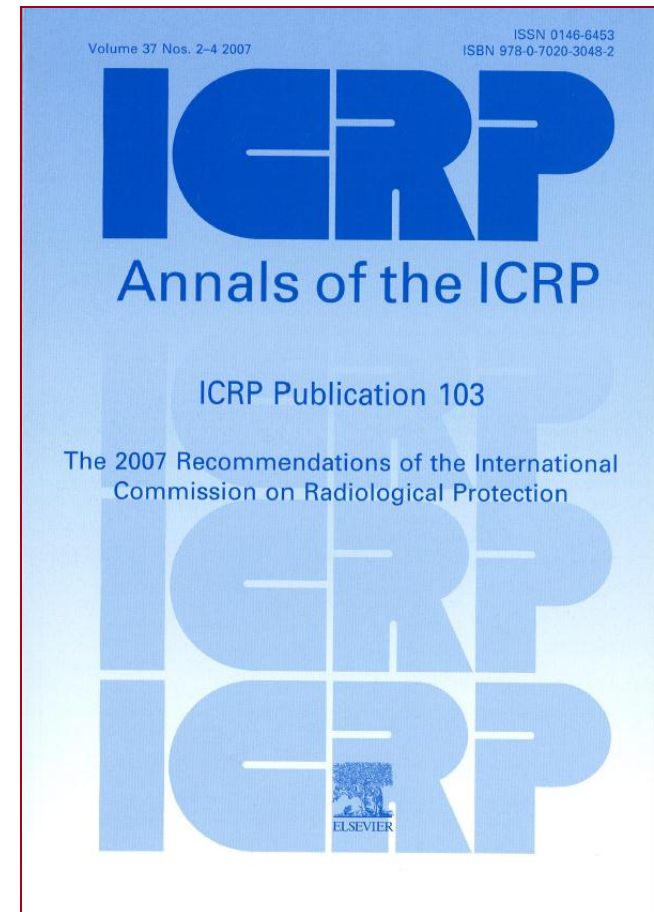


Consolidation of current Directives

Allow for ICRP/IAEA

- **Exposure situations**
rather than processes:
practices/interventions
- **Protection of the environment**

Incorporate natural radiation sources



Commission Proposal



Recital (16) The health protection of the general public allows for the presence of radioactive substances in the environment. In addition to direct environmental exposure pathways, consideration should be given to the protection of the environment as a whole, including the exposure of biota, within a comprehensive and coherent overall framework. As far as mankind is part of its environment, this policy benefits to **long term health protection.**

Subject matter (Article 1)

(1.2) This Directive applies to the protection of the environment as a pathway from radiation sources to the exposure of man, **complemented where appropriate with specific consideration of the exposure of biota in the environment as a whole**

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National legal framework

- **provision for protection of non-human species**
- **populations of vulnerable or representative species**
significance as part of the ecosystem
- **environmental criteria**
- **identify practices for which regulatory control is warranted**

Authorised limits of discharges

- **generic screening assessment**

Technical measures to mitigate the environmental consequences of accidents

Specific environmental monitoring



Euratom Legal Basis

- **Workers, members of the public ...**
- **Already extended to patients (evolutionary character of the application of Chapter 3, Health and Safety)**

Protection or (assessment for) prevention?

- **No duplication of EC/TFEU environmental legislation**

Long-term Health Protection

- **As a qualitative concept including the environment as a whole and the idea of sustainability**

Distinction between "members of the public" (currently) exposed, and future generations

All exposure situations?

- **Emergency exposure situations: Safety Directive?**
- **Existing exposure situations (cf Article 35-36)**

Environmental radioactivity enshrined in primary law (Euratom Treaty)

New Basic Safety Standards enhance the legal framework for protection of members of the public

- **Focus on authorisation and monitoring of effluent**

Protection of the environment still in discussion:

- **Legal basis (TFEU/Euratom)**
- **Incorporate relevant provisions in Chapter VIII**

Consider environmental criteria in discharge authorization, on the basis of available scientific data (and the precautionary principle?)

- **Methodology for the assessment**

Wait for ICRP environmental criteria (2013?)

Incorporate in amendment to the Directive?