

Management of long-term exposure after a nuclear or radiological accident: the update of ICRP Publication 111

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This presentation has neither been approved nor endorsed by ICRP



INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION

ICRP Task Group 93 draft report

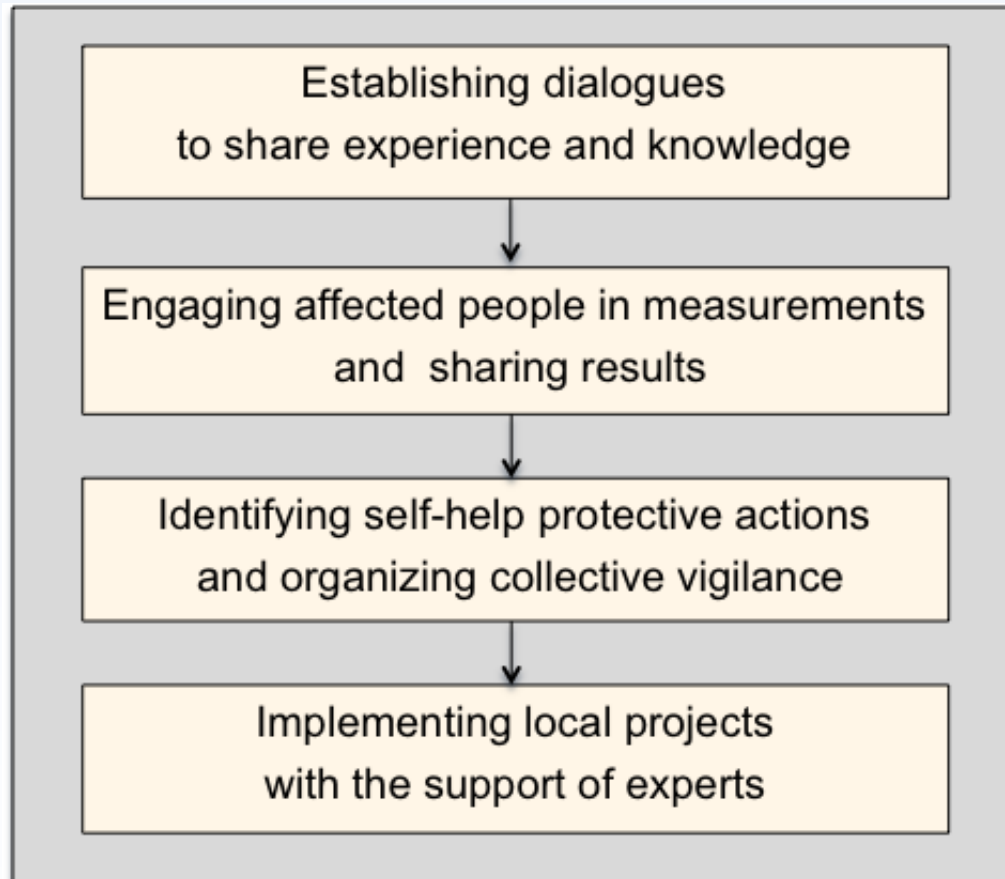
Application of the Commission's Recommendations for the protection of people and the environment in the event of a large nuclear accident - Update of Publications 109 and 111

- 1. Introduction: background and scope
- 2. General considerations: timeline of an accident, consequences of an accident, general principles to protect people and the environment
- 3. Emergency response: early and intermediate phase, protection of emergency responders, protection of the public and the environment, preparation for the long term phase
- 4. Recovery process: long term phase, protection of recovery responders, protection of the public and the environment, evolution and termination of recovery protective actions
- 5. Emergency and recovery preparedness
- 6. Conclusion
- Annex A : Chernobyl
- Annex B: Fukushima

The main points concerning the recovery phase

- Clarification of:
 - the **transition** from the emergency exposure situation to the existing exposure situation
 - the use of **reference levels** to guide the optimisation of protection. Recommendation: the reference level should not exceed 10 mSv/year, with the objective to progressively reduce exposures towards the range of 1 mSv/y
 - New developments on:
 - the **ethical dimensions** at stake
 - the protection actions in **economic activities**
 - the protection of the **environment** but also of **farm animals** and **pets**
- Emphasize on the **co-expertise process** and the development of the **practical radiological protection culture** to involve stakeholders in the recovery process and overcome the limitations of radiation risk communication in a context of distrust

The co-expertise process



Estimated schedule

- November 2018 : Approval by Committee 4
- February 2019: SLOs pre-consultation
- May 2019: Approval of draft report for public consultation by Main Commission
- June - Sept. 2019: Public consultation
- May 2020 : Approval of revised report for publication by Main Commission
- **Publication of the report by the end of 2020 or beginning of 2021**



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