

Abstract submission form

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Abstract information

Presentation type [1]	Oral
Select one or more topic [2]	Updating handbooks, guidelines and recommendations
Subject of the presentation	TERRITORIES guidance to support decision making in post-accident situations
Participation NERIS Young Scientist Award [3]	no
Proceedings of the Workshop 2020 [4]	maybe

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Recommendations based on output of the TERRITORIES project to support decision making in post-accident situations

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Introduction

TERRITORIES, a 3-year project (Jan. 2017-Jan. 2020), aimed "To Enhance uncertainties Reduction and stakeholders Involvement TOWARDS integrated and graded Risk management of humans and wildlife In long-lasting radiological Exposure Situations" and has led to practical recommendations, for assessing and managing long term exposure situations, both after a nuclear accident or in cases of enhanced natural radioactivity (NORM) disseminated in deliverable reports, (<https://territories.eu/publications> and <http://concert-h2020.eu/en/Publications>).

This presentation specifically addresses the final deliverable report, D9.71 dedicated to the presentation of recommendations aiming to improve the consideration of uncertainties in the decision-making process after nuclear accidents with off-site long term radiological consequences.

Methodological approach

To better characterise the uncertainties, part of the TERRITORIES work aimed to better analyse the whole process of the recovery management. To that end, a systemic description of the uncertainties in the recovery processes has been done, by notably considering technical, organisational, socio-economic and human dimensions associated with personal and community resilience. These dimensions have been considered along the process management of the situation that can be described as follows: identification of the possible recovery options, selection of recovery options and implementation. More particularly, the work has been carried out in two steps:

- The first step was to identify the main decision factors and criteria used in the management of post-accident situations that could impact the life of affected people and/or the environment on the base of a review of the European legislation, international recommendations and standards. Insights from past experiences of post-accident situations (post-Chernobyl and post-Fukushima) have also been considered.
- The second step was to deepen the analysis by identifying in which decision areas and for which potential decision factors and criteria, uncertainties should be the most questioned by stakeholders, as well as how they could impact their daily life and as a result, their decisions through discussions and table-top exercises taking place in interactive experts/stakeholders panels and reflection groups.

Conclusion

This systemic and iterative approach led to identify 12 key recommendations that could enhance people's resilience and reduce the related uncertainties in the decision making process for the management of post-accident situations. These recommendations have been divided into four main areas, corresponding to the resources (means of action, elements available to improve a difficult situation) to be dealt with in the assessment and management of such situations.

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