

Nuclear Energy Agency





Building a Framework for Post-Nuclear Accident Recovery Preparedness

National-Level Guidance







Food and Drinking Water Management EGRM publication topical findings

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Introduction

Draft Guidance Framework



Guidance for developing a Framework

[FOOD MARKET IS MULTISCALE





Guidance for developing a Framework

CHALLENGING ISSUES

- Develop radiological criteria for maintaining food safety in the days, weeks, months or even years after the radiation emergency;
- Produce an outline monitoring strategy for national and local authorities;
- Collect and collate information on applicable protective actions; and
- Develop a mechanism for engaging with stakeholders and the local community.

Radiological criteria

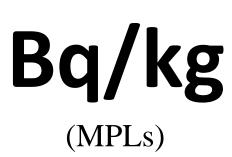
DEFINITION



Radiological criteria are quantitative values for the practical implementation of the radiological protection system. Expressed in terms of dose or derived quantities (ICRP, 2020).

Radiological criteria

MAXIMUM PERMISSIBLE LEVELS









- Rational complex and difficult
- Generic and not adapted
- Any changement may be not understood

Known in advance

Radiological criteria

DOSE



(Reference levels)











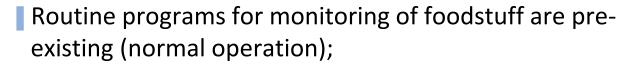
- Consistent with emergency phase
- Used for benchmark
- Adaptable

Food monitoring strategy

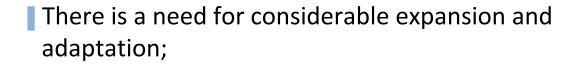
















Monitoring everything is not doable, thus a specific strategy shall be implemented by authorities;



Room for public self-monitoring actions shall be made.

Plan for protective actions

PREPAREDNESS





- Ensuring access to, and familiarisation with, databases and information on protective actions that can be applied by the authorities as well selfhelp actions;
- Planning to involve local communities and affected stakeholders in the evaluation of protective actions;
- Developing experimental approaches for refining/adapting protective actions under local conditions;

Plan for protective actions

PREPAREDNESS



- Developing a pre-prepared outline communications plan to present the rationale for protective actions;
- Developing an approach to compensate producers for loss of production or adaptation to new practices or procedures;



Agreeing on factors to be included in defining "endstate"/success criteria that allow protective actions to be withdrawn.

Conclusion

Specific concern of the public with water usage (drinking water, irrigation, recreation);

Food controls and more flexible criteria to manage food safety (issue of deriving those criteria, more flexible regulation strategy by embarking diet and cultural features);

New approach needed to cope with the issue of loss of image and/or for emblematic food products: ensure the quality of the products - ensure the confidence of the consumer - maintain the economy.

Conclusion

SUBGROUP COMPOSITION

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Thank you for your attention

