

Radiological Protection
2022

Building a Framework for Post-Nuclear Accident Recovery Preparedness

National-Level Guidance



NEA Workshop on Preparedness for Post-Nuclear Accident Recovery

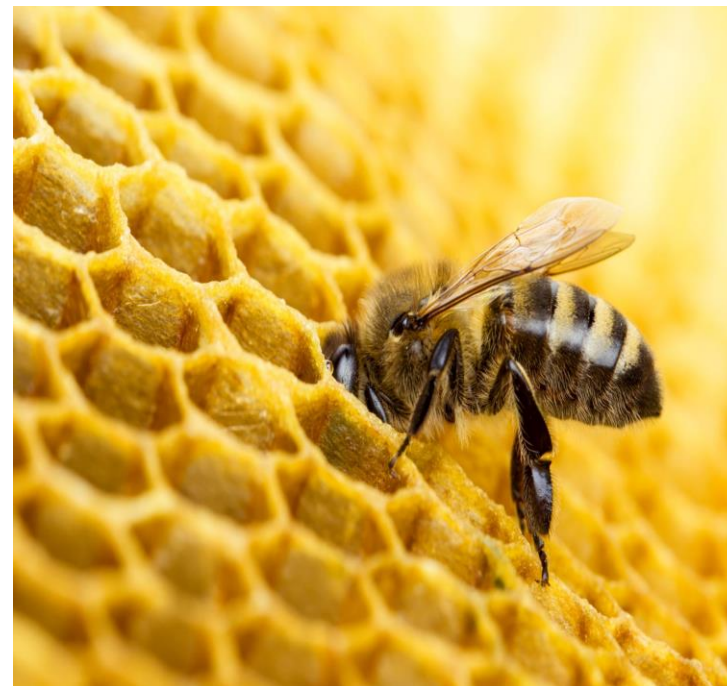
Sustainable Recovery and Protecting the Environment

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Objectives

- To examine what is meant by sustainable recovery and protecting the environment, and why a successful recovery is a sustainable recovery
- To explore why recovery preparedness and planning is essential for a sustainable recovery and for protecting the environment
- To consider examples of the factors that need to be taken into account



A successful recovery is a sustainable recovery

In 2007 ICRP defined the objective of environmental protection as “to prevent or reduce the frequency of deleterious radiation effects to a level where they would have negligible impact on the maintenance of biological diversity, the conservation of species or the health and status of natural habitats, communities and ecosystems”.

SUSTAINABLE DEVELOPMENT GOALS

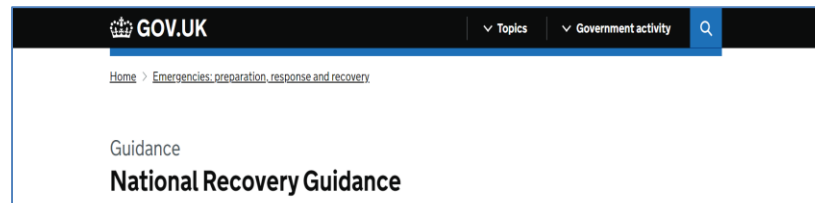


Sustainable Development:

Development that meets the needs of the present without compromising the ability of future generations to meet their own needs

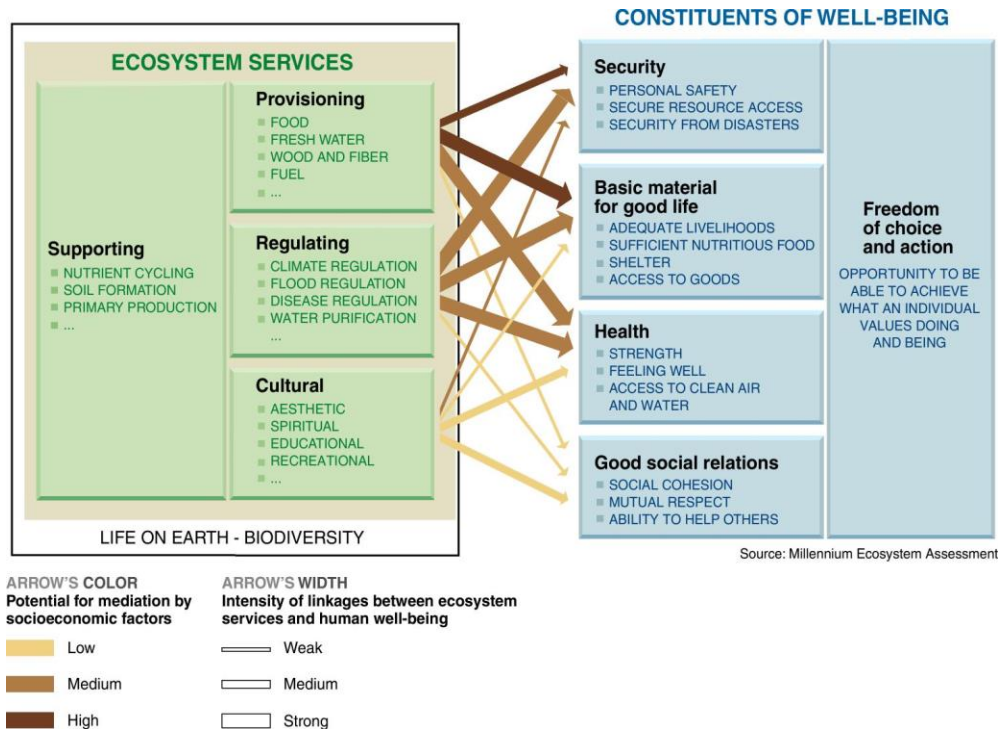
Recovery preparedness is essential

- Defining clear environmental objectives is key
- Consistency with recovery from other types of incident ('all hazards')
- Consistency with existing policy, strategy and legislation to protect the environment as a whole
- Understand the local environment and ecology in advance as far as practicable
- Stakeholder participation key

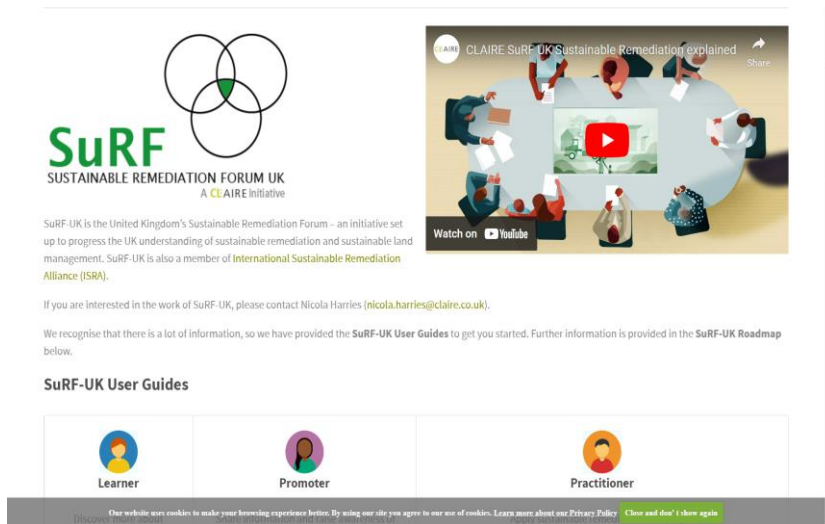


Protection of the environment is fundamental to decision making

- Risks of protective and remedial measures vs risks averted
- Consideration of longer term and wider scale impacts in decision making (including early decisions)
- Ecosystem services/natural capital

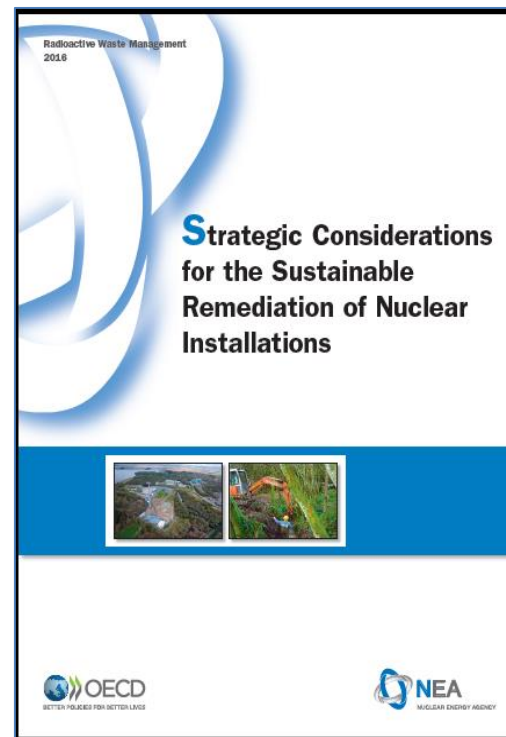


Example of a key objective: Sustainable land re-use and remediation



The screenshot shows the SuRF UK website. At the top left is the SuRF logo, which consists of three overlapping circles in green and black, with the text 'SuRF SUSTAINABLE REMEDIATION FORUM UK A CLAIRE Initiative' below it. To the right is a video player titled 'CLAIRE SuRF UK Sustainable Remediation explained' with a 'Watch on YouTube' button. Below the video is a 'Share' button. The main text describes SuRF UK as the United Kingdom's Sustainable Remediation Forum, an initiative set up to progress the UK understanding of sustainable remediation and sustainable land management. It also mentions that SuRF UK is a member of the International Sustainable Remediation Alliance (ISRA). A contact email for Nicola Harries is provided: nicola.harries@claire.co.uk. Below this, it states that SuRF UK User Guides are provided to get users started, and further information is in the SuRF UK Roadmap. At the bottom, there are three icons representing 'Learner', 'Promoter', and 'Practitioner'. A footer contains a cookie consent message: 'Our website uses cookies to make your browsing experience better. By using our site you agree to our use of cookies. Learn more about our Privacy Policy. Close and don't show again'.

[SuRF UK \(claire.co.uk\)](http://claire.co.uk)



The image shows the cover of a report titled 'Strategic Considerations for the Sustainable Remediation of Nuclear Installations'. The top left corner has the text 'Radioactive Waste Management 2018'. The main title is in large blue and black font. Below the title is a blue horizontal band containing two small images: one showing a landscape with a remediation site and another showing a construction site with an excavator. At the bottom of the cover are the logos for the OECD (Organisation for Economic Co-operation and Development) and the NEA (Nuclear Energy Agency).

Concluding messages

- Including environment in recovery preparedness and planning as part of wider sustainability considerations is essential
- Defining environmental and sustainability objectives is key
- Successful recovery is a sustainable recovery
- Successful recovery depends on sound early decisions taking into account a range of factors at relevant spatial and temporal scales

