The EURSSEM Initiative/Network

(Environmental Radiation Survey and Site Execution Manual)

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EURSSEM; Introduction, background

Aim
~ The development of a manual / guidance for member states of the European Community that deals with all main aspects to be taken into account at Environmental Remediation Projects.

Targeted audience
~ The targeted audience of EURSSEM is all stakeholders e.g. problem holders, problem solvers or stakeholders defined by; e.g. public (may be laypersons), specialists, regulators, etc.
EURSSEM; Introduction, background

Why has EURSSEM been developed?

~ Closing of nuclear facilities in the European Union;
~ Favorable and most supported option: bringing nuclear sites back to their original state;
~ Appliance of MARSSIM in the European Community for characterization of sites;
~ Development of an enlarged European manual / guideline for ER-projects;
~ Focusing on exchange of information and experiences.
EURSSEM; Introduction, background

Who has been involved?

~ Coordination Network on Decommissioning (CND) a 6th EC Framework project.

Organization:

~ Steering Committee, contractors (11 companies from 8 countries)

~ Associated members, including some regulatory bodies (about 40 companies from 15 countries)

~ Impediments: Organization, funding, no direct benefits, no clear view of the timescale on having beneficial opportunities.
Lessons learned

~ Companies / institutes are willing to invest and to share knowledge and experiences.

~ However, they want to have in return at least the opportunity to learn or to receive in return, what they think / feel, is an equivalent amount of new knowledge or experiences in comparison with what they have shared, and this in a reasonable time scale.
EURSSEM; Introduction, background

What were the starting points and motivation to apply?

~ The manual is written from a service point of view. Thus free of names/pointers to commercial organizations, governmental regulations, etc.;

~ Leading strategies, leading practical option(s), etc. all strategies, all options ….. no judging;

~ Applicable for all stakeholders involved in ER;

~ Balancing guidance between “concrete and layperson and detail”;

~ The guidance has to be consistent.
EURSSEM; First version

When was the first version available?

This first version was available at 1 July 2009 as a conventional document. This version was reported to the European Commission (deliverable of the 6th EC Framework Project “Coordination Network on Decommissioning”).
EURSSEM; EURSSEM Initiative/Network

**EURSSEM Initiative/Network**

Defined aims of this Initiative/Network:

~ Sharing knowledge and experiences;
~ Creating a direct benefit for participants;
~ Creating opportunities for bringing together “problem holders” and “problem solvers”;
~ Assisting in minimizing in missing an opportunity for “problem holders” as well as for “problem solvers”.

Important is that the impediments that prevented that the Coordination Network on Decommissioning become a successful Network are minimized (lessons learned).
EURSSEM; EURSSEM Initiative/Network

**EURSSEM Initiative/Network**

Workout of the Initiative:

~ Transfer of the conventional EURSSEM document to a wiki like website with additional features;

~ Available for all stakeholders of a ER-project (no restrictions);

~ Add web features were “problem holders” can meet “problem solvers”;

~ Allowing stakeholders, e.g. scientists, companies, regulators to propose updates, modifications, new topics, adding references, etc. and acknowledge their effort.
Status EURSSEM Initiative/Network

~ Getting the approval of the EC to start directly at 1 July 2009, before the official acceptance of the deliverable;

~ Building and testing the website, including web features where problem holders can meet problem solvers;

~ Web features; where “stakeholders” can make / add proposals for updates, modifications, new topics, adding references, etc.;

~ > 80 % of the conventional document has been transferred and placed at the web site.
EURSSEM provides information, guidance, a Q&A forum and a marketplace to assist problem holders in their Environmental Remediation program.

The Environmental Radiation Survey and Site Execution Manual (EURSSEM) provides information and guidance on strategy, planning, stakeholder involvement, conducting, evaluating and documenting radiological environmental and facility (surface) surveys based on best practices for demonstrating compliance with dose or risk-based regulations or standards, remediation, reuse, short-term and long-term stewardship on radioactively contaminated and potentially radioactively contaminated sites and/or groundwater.

**News:** Waste Management Conference 2010, Phoenix (Arizona)

Sign up for our newsletter. Be the first to hear about news and announcements. 

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EURSSEM is a partner to the IAEA EnvirNet Network

The Co-ordination Network on Decommissioning of Nuclear Installations (CNDI)

The EU’s Sixth Framework Programme for Research and Technological Development (FP6)

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EURSSEM Manual

The Environmental Radiation Survey and Site Evaluation Manual (EURSSEM) provides information and guidance on strategy, planning, stakeholder involvement, conducting, evaluating, and documenting environmental and radiological surveys based on best practices for demonstrating compliance with dosimetric and environmental regulations. The manual is designed to help users determine the extent and magnitude of radiological contamination and potentially radioactive contamination that may impact human health and the environment.

Chapters

1 Introduction to EURSSEM

This section of the "Environmental Radiation Survey and Site Evaluation Manual" (EURSSEM) deals with the background and objectives of the EURSSEM and the approach for determining the extent and magnitude of radiological contamination and potentially radioactive contamination. It includes information on the release of radioactive materials and the use of radioactive materials.

2 Development of a strategy, implementation, and execution of remediation programs

The development of a strategy, implementation, and execution of a remediation program is critical. This chapter provides guidance on the implementation and execution of remediation programs, including the development of a strategy and the selection of remediation methods. It also includes information on the evaluation of remediation programs and the monitoring of remediation activities.

Editors

[Editor Information]

EURSSEM; www.eurssesem.eu
EURSSEM; EURSSEM Initiative/Network

Status EURSSEM Initiative/Network
Impediments for (new) members / participants are minimized by:
~ The direct availability of the EURSSEM manual;
~ Web features (already present):
  ~ To be automatically informed about updates;
  ~ To ask and to respond on questions;
  ~ To share knowledge and experiences by making proposals for updates;
  ~ To present information at the EURSSEM website on which ER topics assistance can be provided to solve a problem.
EURSSEM; EURSSEM Initiative/Network

EURSSEM Initiative/Network will support and work in close cooperation with the IAEA ENVIRONET Network
Thank you for your attention.