

Invitation to the

Summer School on Nuclear Decommissioning and Waste Management

on **6-10 September 2021, online**

*Hosted online by the
Joint Research Centre (JRC)
the science and knowledge service of the
European Commission*



What is nuclear decommissioning?

When a nuclear facility ceases its normal operation, a multifaceted process of dismantling, decontamination and other works will start. 'Decommissioning' means all these steps leading to the release of a nuclear facility from regulatory control.

A career in nuclear decommissioning and waste management offers:

- A job in an emerging domain, with perspectives of career development
- Facing many technological challenges
- Requiring, over a long term, competences in various disciplines
- Opportunities for mobility
- Serving a 'noble cause', as it aims at restoring a safe environment.

The course offers:

A 5-day overview of the main aspects of nuclear decommissioning and waste management through classroom training, visits of the JRC-Ispra nuclear facilities and practical case studies.

A voluntary test (for students who wish to obtain a course certificate).

A final 'job fair' to meet representatives of some European industrial companies working in decommissioning.



Why following a course on nuclear decommissioning?

In the European Union several nuclear facilities are closed or may stop their operation in the coming decade. The need to proceed with decommissioning creates a potential for new industrial activities. The availability of qualified personnel to support the emerging decommissioning market is an asset for the European industry.

Who is the course organised for?

The present JRC-Ispra Summer School is addressed to students with a graduate degree pursuing a master in the area of engineering, science and technology, who have not yet a professional activity and want to profit from their holidays' time to enrich their curriculum in an area that offers new technological challenges.



COURSE PROGRAMME

Monday 6 September

INTRODUCTION

What does a nuclear facility look like? What are 'decommissioning and waste management'? Why is it important? How is it organised in Europe?

INTRODUCTION TO RADIATION PROTECTION

What are radiation risks? How to protect ?

Tuesday 7 September

NUCLEAR DECOMMISSIONING in detail

*What are the techniques for decontamination and dismantling?
How to restore a clean environment?*

VIRTUAL VISIT of the JRC-ISPRA NUCLEAR SITE

Wednesday 8 September

NUCLEAR DECOMMISSIONING experiences

*Examples of decommissioning realisations.
Safety studies. Cost assessments.*

NUCLEAR DECOMMISSIONING
practical case studies in virtual groups

Thursday 9 September

RADIOACTIVE WASTE

What has to be done with the waste?

RADIOACTIVE WASTE

VIRTUAL demos & exercises from JRC-ISPRA

Friday 10 September

SOCIETAL ASPECTS

How to answer the concerns of the society?

FINAL VOLUNTARY TEST FOR CERTIFICATE

How to register?

If you are interested, please fill-in the application form attached to the invitation and mail it with copy of your student card to Daniela Santopolo: daniela.santopolo@ec.europa.eu

Your application will be reviewed and you will receive as a next step a confirmation and detailed logistic information.

The course is limited to 100 participants.

How to participate?

All lectures, visits, demos and exercises will be held virtually and in real-time from the JRC-Ispra site in Italy.

Once your application has been confirmed, you will receive the necessary links to connect you.

Presence certificates will be mailed at the end of the course.

Course certificates will be delivered to students having passed successfully the voluntary final test.

How much does it cost?

The course is supported by the European Commission Joint Research Centre and is thus free of charge for accepted students.

The Summer School is part of the

European ELINDER project

aiming to raise the interest of students and professionals and to stimulate careers in this important and emerging field, by offering a set of attractive theoretical and practical learning opportunities.

The Summer School on Nuclear Decommissioning and Waste Management is one of the Generic ELINDER Courses, introducing the topic of nuclear decommissioning



For more information on ELINDER:

[ELINDER website](#)

For questions on ELINDER please contact:

Daniela Santopolo

daniela.santopolo@ec.europa.eu

(detailed program will be available in July 2021)

