

## Location

The course will be held at the facilities of Joint Research Centre (JRC), Karlsruhe Institute of Technology (KIT) and Kerntechnische Entsorgung Karlsruhe GmbH (KTE) located at the KIT Campus North, ~ 10 km north of Karlsruhe next to Eggenstein-Leopoldshafen

(<https://www.kit.edu/downloads/Campus-Nord.pdf>)



Before attending this course, participants are encouraged to follow the **MOOC "Understanding Nuclear Energy"**. Registration to the edX platform for this MOOC is free of charge.

<https://www.edx.org/course/understanding-nuclear-energy>

If you are interested in the participation, please provide following information to:

[Anika.DUENNHAUPT@ec.europa.eu](mailto:Anika.DUENNHAUPT@ec.europa.eu)

Please complete all sections

Name: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

Phone: \_\_\_\_\_

Undergraduate student   
Graduate / Ph.D. student   
Other

For information or questions, please contact:

Dr. Volker Metz  
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Institute for Nuclear Waste Disposal (INE)  
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EURATOM Coordination  
and Support Action  
ANNETTE

Teaching Module  
"Final Stage of the  
Nuclear Lifecycle"

Karlsruhe, Germany  
December 2<sup>nd</sup> – 6<sup>th</sup>, 2019



## Introduction and Scope

A **five day teaching module** is organized within the framework of the EURATOM ANNETTE project

<http://www.enen.eu/en/projects/annette.html>

The course will comprise:

- Lectures by experts
- Laboratory and facilities visits with practical training.

The course focuses on the topic **Final Stage of the Nuclear Lifecycle**.

It is open to all interested graduate students, Ph.D. students, post-docs, professionals and is limited to 15 participants. In case of vacancies during the course these can be filled with other interested persons.

It will provide advanced level understanding of final stage of the Nuclear Lifecycle including the dismantling and decommissioning of nuclear facilities and the radioactive waste management. Moreover, it covers basic understanding of operational radiation protection and safeguard issues of a geological repository as well as social, ethical and governance aspects of long-term nuclear waste management.

## Course contents

### Radioactive waste

- nuclear waste streams
- safety relevant properties
- management of damaged nuclear fuels

### Decommissioning of nuclear facilities

- decommissioning of nuclear research facilities
- operational radiation protection

### Radioactive waste management

- conditioning and interim storage
- long-term safety assessment of nuclear waste disposal
- safety case and international site selection processes

### Acceptance and implementation

- social and governance aspects of nuclear waste management
- safeguard issues for geological repositories

## General information

The teaching module is co-organized by JRC, KIT and KTE.

**The teaching module is free of charge.**

Following costs will be covered:

- Attendance to the course
- Coffee breaks
- Shuttle from Karlsruhe city to KIT Campus North

Other costs must be covered by the participant (e.g. travelling and accommodation costs).

NB.: Grants to cover travelling and accommodation costs can be requested to the ENEN + Mobility scheme:

<https://plus.enen.eu/call-for-mobility-grants/>

The ENEN+ call is open **until September 30th, 2020** or until funds are available.

The course is funded by the **ANNETTE** project, EURATOM Research and Training programme (grant agreement no. 661910).

### Registration

The requested information of the registration form (see front page) must be provided and sent to the following E-mail address:

- [Anika.DUENNHAUPT@ec.europa.eu](mailto:Anika.DUENNHAUPT@ec.europa.eu)

**Deadline for registration is 15<sup>th</sup> October, 2019**