

Metrology for Decommissioning

S7



Decommissioning activities require expertise in various radiological measurement techniques: for the characterisation of the installations, for the characterisation of waste and for the clearance of materials and waste. Experts from the Joint Research Centre will explain the current practices and the developments in this field:

- ❖ Radiological measurement principles
- ❖ Destructive assessment techniques
- ❖ Non-destructive assessment techniques
- ❖ Measurement validation and statistics
- ❖ New developments in waste characterisation
- ❖ Waste and material clearance approaches
- ❖ Metrology networks

The course includes also hands-on exercises with the most common measurement devices and laboratory analysis techniques.

The course is concluded by a voluntary test for obtaining a course certificate.

Expected audience for the course: project managers, waste managers, radiation protection experts

Education level: Master Degree (EQF 7 or higher)

Ispra, Italy

Next course:

planned for June 2019

Language: English

**Prerequisite knowledge
in nuclear technology:**



Learning outcomes from the course:

- ✓ Understand the principles of the different radiation measurement systems
- ✓ Comprehend the site radiological characterisation procedures, methods and techniques
- ✓ Comprehend the different waste radiological measurement procedures, methods and techniques
- ✓ Comprehend the different waste and material clearance procedures, methods and techniques
- ✓ Recognise on-going technological developments in radiological characterisation methods and techniques
- ✓ Able to elaborate and monitor a characterisation plan in a nuclear installation
- ✓ Able to elaborate and monitor a clearance/release plan of a nuclear infrastructure



Price:

will be defined in due time