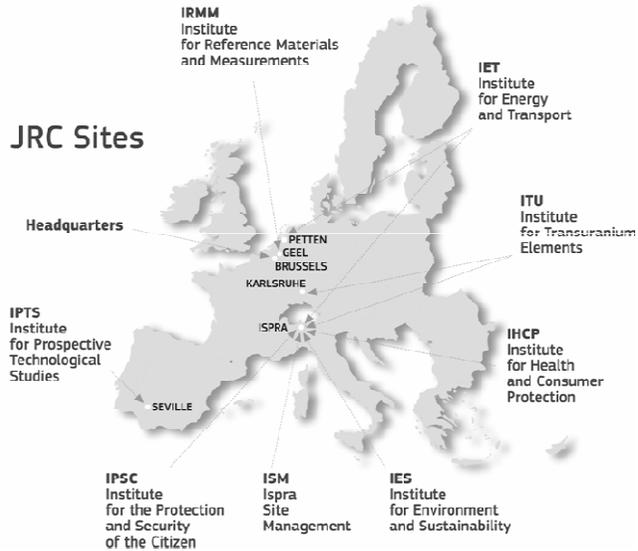




European  
Commission



## Joint Research Centre

The European Commission's  
in-house science service

European Commission  
Joint Research Centre (JRC)  
**Institute for Transuranium Elements**  
*Nuclear Security Unit – Ispra Site*

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### International Summer School 2016 Secretariat

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Registration:  
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## 8<sup>th</sup> edition of the International Summer School on Nuclear Decommissioning and Waste Management

Auditorium, Bldg. 58C  
JRC-Ispra, Italy

12-16 September 2016



Organized by:



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As the Commission's in-house science service, the Joint Research Centre's mission is to provide EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle.

Working in close cooperation with policy Directorates-General, the JRC addresses key societal challenges while stimulating innovation through developing new methods, tools and standards, and sharing its know-how with the Member States, the scientific community and international partners.

# 8<sup>th</sup> edition of the International Summer School on Nuclear Decommissioning and Waste Management

<b>Title</b>	International Summer School on Nuclear Decommissioning and Waste Management.	<b>Target Audience</b>	The school targets university level students and young professionals in nuclear field.	Welcome to the 8 <sup>th</sup> International Summer School: Operational Issues in Radioactive Waste management and Nuclear Decommissioning at Joint Research Centre, Ispra 12-16 September 2016.
<b>Host</b>	European Commission (EC) Joint Research Centre (JRC) Institute for Transuranium Elements (ITU) Nuclear Security Unit.	<b>Registration</b>	Until 26 August 2016. The number of participants will be 80 on the basis of "first registered - first served". The participants are required to cover their stay in Ispra and there will be no registration fees.	
<b>Date &amp; Venue</b>	12–16 September 2016, JRC Ispra (Italy), Auditorium Bldg. 58C.		Register in: <a href="https://web.jrc.ec.europa.eu/rem/">https://web.jrc.ec.europa.eu/rem/</a>	Nuclear Decommissioning is an important part of the nuclear power plants' life cycle and a crucial factor in public acceptance of nuclear power generation.  At the end of the operational life of the first generation of nuclear power plants, an effective nuclear decommissioning process and management of its radioactive and nuclear waste will prove to be vital.
<b>Organized by</b>	Nuclear Security Unit (JRC-ITU) in collaboration with Nuclear Decommissioning Unit (JRC-ISM), International Atomic Energy Agency (IAEA), University of Milan and Italian Radioprotection Association (AIRP).	<b>Nature of the</b>	The school uses a combination of lectures, school working sessions, practical exercises, case studies and group deliberations as part of the exercises to meet its objectives.	
<b>Supported by</b>	SOGIN	<b>Content</b>	The school duration is five days covering several topic sessions: <b>1. Legal framework, Regulation and Guidelines</b> <b>2. Material Characterization and Clearance</b> <b>3. Radiation Protection</b> <b>4. Operational ND&amp;WM experience</b> <b>5. Licensing, Communication and Stakeholders engagement in ND&amp;WM</b> <b>6. Education and Training and R&amp;D in ND&amp;WM</b> <b>7. Visits of nuclear facilities under decommissioning</b>	A thorough analysis of radioactive waste production routes is needed in order to manage waste safely for workers, the public and the environment. This process needs to be applied to research, medical applications and industrial activities such as mining, as well as electrical power generation.  An effective characterisation and management of waste includes appropriate environmental monitoring and the application of sound principles of the waste cycle. This includes policy, regulatory issues, radiation protection, human resources management and aspects of stakeholders' involvement.
<b>School Objectives</b>	To strengthen education on planning and operating nuclear decommissioning and waste management. The objectives of the school are to:  1. enhance awareness of nuclear decommissioning and waste management.  2. better understand the roles and responsibilities of the various involved parties such as operators and regulators.  3. develop an appreciation of related issues such safe operation of a decommissioning process as radiation protection.  4. highlight the sequence of activities in nuclear decommissioning and waste management.  5. visit nuclear facilities to give insight to practical decommissioning operations.  6. promote education in nuclear decommissioning to better face challenges in energy generation.	<b>Language</b>	The school will be conducted in English. Participants should ensure the capability of a level of verbal and written communication commensurate with the complex subject matter curriculum of the school.	
		<b>Visa</b>	Upon request of participants needed Visa, the JRC will provide invitation letters.	This is the eighth year that the Summer School has been held and it brings together many international experts in waste management and nuclear decommissioning.  The participants will be able to discuss issues directly with experts and other delegates, and have the opportunity to learn from their international experience.  This year, the course is organised around several technical sessions and will feature visits to JRC-ISPRA's laboratories that are involved in decommissioning and nuclear and radioactive waste management.
		<b>Scientific Committee</b>	Abbas Kamel (EC JRC), Bruno Gérard (IAEA), Burgess Pete (Consultant), Cantone Marie-Claire (Universita degli Studi di Milano), Kockerols Pierre (EC JRC), Janssens Willem (EC JRC), Metcalf Phil (BBM Consulting e.U) and Pedersen Bent (EC JRC).	