

18th CHERNE Workshop Valencia, May 21-23, 2025

Wednesday May 21

08:00	Registration	
09:00	Welcome Speech	
09:30	Track 1: Responsible Consumption and Production in Nuclear and NORM-Related Industries	<p>Radiological characterization of building materials (Marina Sáez Muñoz)</p> <p>Assessment of environmental radionuclides in the region of Beiras Interior, Portugal, within NORM Management (Caroline Licour)</p>
10:20	Coffee Break	
10:50	Track 2: Nuclear Techniques in Environmental Protection and Sustainability	<p>Spectral deconvolution methods. Application to beta emitters from nuclear power plant decommissioning measured by liquid scintillation counting (Mireia Pérez-Baeza)</p> <p>Development and Optimization of Rapid Analytical Protocols for Plutonium and Americium Determination in Water Samples Under Radiological Emergency Scenarios (Yeray Pallás Tamarit)</p> <p>Towards Sustainable Soil Management: Optimizing fertilizers through Engineering of Biochar-Phosphogypsum Composites (Diogo Almeida)</p> <p>Experimental verification of passive SSTDN detectors in a radon exposure chamber with a controlled atmosphere (Belen Juste)</p>
12:30	Track 3: Educational Challenges, Risk Perception, and Public Engagement in Nuclear Sciences	Blending education on safe nuclear decommissioning and sustainable waste management (Sonja Schreurs)
13:00	Lunch	
15:00	Track 3: Educational Challenges, Risk Perception, and Public Engagement in Nuclear Sciences	<p>X-ray Fluorescence Analysis of Pigments in Gothic Coats of Arms, Polychromy on Sculptures and in Gothic Frescoes (Tomas Čechák)</p> <p>Proposal for a New Erasmus+ BIP Focusing on Ionizing Radiation Metrology (Pavel Novotný)</p>
15:50	Break	
16:00	20th-anniversary CHERNE activity	
18:00	End	
20:30	Social dinner	



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Thursday May 22

09:00	Track 3: Educational Challenges, Risk Perception, and Public Engagement in Nuclear Sciences	Development of Erasmus Mundus Joint Master program in Nuclear Decommissioning and Environmental Remediation (Maria De Lurdes Dinis)
		NextGen Nuclear: Outreach activities for secondary schools to support capacity building of tomorrow's nuclear engineers (Ondrej Koristka)
		Nuclear physics applications to medicine and environmental science at LASA (Italy): research and education activities (Michele Colucci)
10:15	Coffee Break	
10:45	Track 3: Educational Challenges, Risk Perception, and Public Engagement in Nuclear Sciences	CREAM, a blended intensive program to comprehend radioactivity in the environment (Caroline Licour)
		Physiological responses of spearmint to radon exposure (Lígia Lopes)
		AI4nuclear (Sonja Schreurs)
		Building the Next Generation of Nuclear Professionals: Early Engagement in Nuclear Engineering Education (Pavel Novotný)
		Remote Nuclear Physics Experiment at the Czech Technical University in Prague (Pavel Novotný)
12:50	Lunch	
15:00	Track 3: Educational Challenges, Risk Perception, and Public Engagement in Nuclear Sciences	ELIAC: A NEW EUROPEAN CHALLENGE IN ACCELERATOR TECHNOLOGIES
		ENERGY STORAGE IN NUCLEAR POWER PLANTS
16:00	End	
18:00	Social visit	



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Friday May 23

09:00	Track 3: Educational Challenges, Risk Perception, and Public Engagement in Nuclear Sciences	Report on CHERNE activities 2024-2025 (Isabelle Gerardy)
9:25	Technical workshop part II – Cherne activities, education, projects	
10:30	Coffee Break	
11:00	Technical workshop part II – Cherne activities, education, projects	
12:30	Closing Speech	



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