



May 17

Arrival in Bertinoro

May 18

9:00÷9:30 - Registration

9:30 – Opening ceremony. General Secretary's address.

11:00 – **Coffee break**

11:30÷13:00 - Educational presentations, chair Sonja Schreurs

1. *Wouter Schroeyers - The RADIOACT! science contest to train secondary school pupils in combatting Nuclear Misinformation*
2. *Caroline Licour - Blended Intensive Program - CREAM (Concern in Radiological and Environmental Activity Measurement)*
3. *Wim Eerdeken - Integrating Technical, Durability, and AI Competencies in Blended International Training weeks for nuclear engineering students*
4. *Pavel Novotný - Erasmus+ Blended Intensive Programme on Ionizing Radiation Metrology (METRO 2026)*

13:00 - **Lunch**

14:30 – 16:30 - Educational presentations, chair Croline Licour

1. *Sonja Schreurs - Radiation protection training for master students: from formulation of competences over design of learning activities to evaluating the learning outcomes*
2. *Pavel Novotný - REX: Remote Laboratory for Experiments in Nuclear Physics*
3. *Isabelle Gerardy - DIGI-ACT: a partnership for responsible use of digital technologies*
4. *Wouter Schroeyers - Introducing sustainability competences in nuclear engineering and materials science curricula*
5. *Pietro Carnevali - Cyclotron Production of Radioisotopes: A Didactic Framework for Applied Radiation Engineering*

19:30 – **Social dinner**

Bertinoro, 18-20 May 2026



May 19

9:30 ÷ 10:45 - Scientific presentations, chair Sebastian Martorell

1. *Alfio Torrisi - Luminescent carbon dots synthesized by laser ablation of graphite in liquids for UV detection, sensors, and other applications*
2. *Barry D. Ganapol/D. Mostacci - Analytic Solutions of the 1D, One-Speed Monoenergetic Neutron Diffusion Equation*
3. *Davide Giusti - On the statistical model of the atom***Coffee break**

11:15 ÷ 12:30 Scientific presentations, chair Isabelle Gerardy

1. *Caroline Licour - Natural radioactivity in Portuguese drinking spring water: $^{222}\text{Rn}/^{226}\text{Ra}$ relationship and implications for committed dose.*
2. *Sebastian Martorell - Radiological characterisation of ^{55}Fe and ^{63}Ni for environmental monitoring in nuclear decommissioning.*
3. *Ligia.Lopes - Total Phenolic Content of *Mentha spicata* L.: Implications after Radon Exposure*

12:30 - **Lunch**

14:00 - Session on future projects, chair Isabelle Gerardy

16:00 – **Coffee break**

16:30 - CHERNE meeting (agenda prepared by the General Secretary)

Bertinoro, 18-20 May 2026



May 20

9:30 – 10:30 Invited talk - *Mario Marengo: Optimization of NM hot cells shielding by MC simulations*

10:30-12:20 Scientific presentations, chair Sandra Soares

1. *Maria Sara Busillo - Implementation of a computational code to study activation and dose rates from radiotherapy proton beams*
2. *Rahil Sarwar - Shielding of a proton therapy facility: a FLUKA investigation*
3. *Francesca Venturi - Modeling of stochastic geometries for radiation protection purposes: a study of radioactive dust inside a glove box*
4. *Leonardo Coi - Conceptual design of an industrial-scale fuel cladding coating facility for Lead Fast Reactors using Pulsed Laser Deposition*

12:30 - **Lunch**

14:00/14:30 - Departure for excursion to the tiny state of San Marino (world's most ancient republic still extant)

May 21

Morning, departure from Bertinoro

Bertinoro, 18-20 May 2026