

# PIANOFORTE TRAINING COURSE: Building protection against radon: measurement, prevention and corrections measures

This partnership has received funding from the European Union's "EURATOM" research and innovation program under the 101061037 grant agreement

## AIM OF THE COURSE:

The aim of the course is to provide knowledge about the health effects of radon exposure and the new standards and requirements for the protection of buildings from radon.

## ABOUT THE COURSE:

The course is organized in order to increase the knowledge and skills in the specific area for applying corrective and preventive measures to reduce the levels of radon in buildings. After the end of the course, participants will acquire knowledge and skills for:

- Describing the origin of radon and the health risks associated with it;
- Radon measurement and use of measuring devices;
- Working with national and international standards related to radon;
- Application of radon reduction methods in existing buildings and its prevention in new construction.

## ORGANISATION:

**Participants:** MSc students, Ph.D. students, young investigators, continuing professional education in the construction field, etc.  
Maximum number of participants - 15

**Fee:** none

Free accommodation in a hotel in Sofia is provided for the participants from the province.

The course ends with a certificate.

## REGISTRATION:

Candidates must register by filling out an online participation form on the NCRRP website [www.ncrrp.org](http://www.ncrrp.org), in the section "News".

## ACCOMMODATION OF THE PARTICIPANTS:

Art Hotel Simona, Eng. Blvd. Ivan Ivanov" No. 10, Sofia.

## MAIN TOPICS OF THE COURSE:

- Radon – a social and medical problem;
- Environmental sources of radon;
- Health effects of radon exposure;
- Radon and Basic Safety Standards;
- Principles of radon measuring devices. Measurement requirements;
- Technical requirements of buildings for radon protection in Bulgaria;
- Factors controlling radon in buildings. Demonstration with a model;
- Passive and active measures in existing buildings;
- New buildings - measurements and solutions;
- Specific buildings - schools, kindergartens, sanatoriums;
- Examples with real buildings;
- Ventilation systems - types and their application;



## LECTURERS:

Experts from NCRRP and CEID

## DATE AND PLACE:

- **Date:** 27 - 31.03.2023 г.
- **Address:** St. Georgi Sofiyski" 3, 1606 Sofia, Bulgaria National Center for Radiobiology and Radiation Protection, building 7, in the courtyard of the Academy of Medical Science.



For registration: