

LeaRn4LIFE

Learning Radon

The objective of the project LeaRn4LIFE is to design, develop and deliver adequate **training programmes** to promote and improve technical skills and knowledge for radon professionals, students, teachers, authorities and governmental bodies, medical professionals and communication professionals working with radon, enhancing market recognition and confidence.

Training and **qualification of professionals** will enable **recognition** of the activities of technicians and companies, thus **promoting the confidence** of society in the use of their services.

It is expected to contribute to the reduction of indoor radon in a cost-effective way, and to raise awareness about radon-related hazards and protection measures, including actions that everyone can take.



What is Radon?

Radon is a **colorless, odorless, and tasteless radioactive gas** that is generated from rocks and soils, being mobilized and concentrated inside buildings.

Indoor radon depends on the geology, the construction type, and the building use and ventilation.

Health Effects

Inhaled radon is the largest source of exposure to ionizing radiation for people worldwide.

Prolonged exposure to indoor radon is one of the main causes of **lung cancer**.

Smokers and ex-smokers have increased risk from the combined action of tobacco and radon.



How to measure?

As radon maps are only an indicator of the level of radon susceptibility at different regions, radon concentration inside buildings must be measured.

Such radon measurements **can be easily performed with passive detectors**, which are small plastic devices that do not require any energy supply. Passive detectors are the **most reliable** and **inexpensive way** to measure indoor radon concentration.



How to mitigate?

Radon is everywhere, outside and inside buildings. All buildings contain radon, but in generally low concentrations. In existing buildings where high levels of radon are detected, **it is possible to reduce human exposure** through correction, remediation, and mitigation measures. Preventive measures should be implemented at the construction stage, particularly in radon-prone areas.



What type of training for professionals?

LeaRn4LIFE project aims to implement **training programmes suitable for different groups of professionals**. To this end, the training programmes will be developed according to the knowledge and competences needed for the different areas of activity.

Consortium



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