



EUROPEAN
PARTNERSHIP

Co-funded by
the European Union

METROLOGY
PARTNERSHIP



<https://radon-network.eu/>

RadonNET Workshop Low-Cost Sensors and Calibration

This workshop is conducted within the RadonNET project, co-organised by the IMEKO. RadonNET aims to eliminate preventable lung cancer cases caused by the radioactive noble gas radon (^{222}Rn) and its progeny. Through the development of advanced sensor networks and calibration techniques, the indoor air quality of future buildings shall be improved while accounting for the requirements of energy efficiency and health standards.

- Topic** **The speakers will introduce the audience to the RadonNET project, present results and give an outlook on planned studies. Related projects concerned with ^{222}Rn will also be showcased.**
- When?** **Wednesday, April 29, 2026
9:00 am – 15:30 pm UTC+2 (CEST)**
- Where?** **The workshop will be conducted online. Registered participants will receive a link to the meeting room.**
- Registration** **<https://www.ptb.de/cms/index.php?id=21958>**

Project partners:



The project (23IND07 RadonNET) has received funding from the European Partnership on Metrology, co-financed from the European Union's Horizon Europe Research and Innovation Programme and by the Participating States. Funder ID: 10.13039/100019599.

In association with:



Time	Topic	Presenter
09:00 - 09:15	Welcome and introduction	Annette Röttger (EURAMET) Benoît Sabot (CEA) Stefan Röttger (PTB)
09:15 - 09:35	Calibration process overview: chambers, sources, references, and accessibility of calibration services in Europe	Katarzyna Woloszczuk (CLOR)
09:35 - 10:05	Low-cost sensor calibration and linearity: arametRn+ devices	Benoît Sabot (CEA)
10:05 - 10:25	Radon emanation source development and low-level radon detector calibration	Stefan Röttger (PTB)
10:25 - 10:40	Break	
10:40 - 11:00	Radon activity concentration calibration of commercial detectors	Stefan Röttger (PTB)
11:00 - 11:20	Time response, linearity and range testing of electronic radon detectors	Krasimir Mitev (SUBG)
11:20 - 11:40	Establishment of a radon testbed at the University of Helsinki	Steven Bell (NPL)
11:40 - 12:00	The radon testbed at the University of Helsinki – A technical report	Andrew Rebeiro-Hargrave (UH)
12:00 - 13:00	Lunch break	
13:00 - 13:20	Measurements with electronic radon detectors in homes and workplaces	Ivelina Dimitrova (SUBG)
13:20 - 13:40	ML methods	Daniel Binks (NPL)
13:40 - 14:00	Low-budget radon activity concentration detector development	Stefan Röttger (PTB)
14:00 - 14:20	Creating impact	Jana Smoldasova (CMI)
14:20 - 14:35	Break	
14:35 - 15:00	Radon on the moon - Chang'E 6 and DORN: Opening New Frontiers in Lunar Exploration	Íñigo de Loyola Chacartegui Rojo (CEA)
15:00 - 15:20	NuClim: Radon for climate research	Katharina Münster (PTB)
15:20 - 15:30	Closing remarks	Benoît Sabot (CEA)

Co-organised by:

