



Scientific Workshop and Training Courses

--Preliminary Agenda--

EMPIR 19ENV01 traceRadon

This project 19ENV01 traceRadon has received funding from the EMPIR programme co-financed by the Participating States and from the European Union's Horizon 2020 research and innovation programme.

14th and 15th March 2023



The EMPIR initiative is co-funded by the European Union's Horizon 2020 research and innovation programme and the EMPIR Participating States



Welcome!

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Scientific Workshop

14th March, Vieweg-Building Room 234

14:00	Opening & Welcome	Tanita Ballé (PTB), Annette Röttger (PTB)
14:15	Primary and transfer standards for measurement of ^{222}Rn activity concentration	Tanita Ballé (PTB), Marta Fuente (UVSQ)
15:00	Metrology chain for continuous radon flux observations: Strategy and Challenges	Claudia Grossi (UPC)
15:45 – 16:15	Group Photo + Coffee Break	
16:15	Development of radon flux maps for Europe: approaches, uncertainties and validation	Ute Karstens (Lund), Arturo Vargas (UPC)
17:00	Radon outdoor and radon fluxes data/maps to support radiation protection: some examples	Giorgia Cinelli (ENEA)
17:55 – 18:00	Closing remarks	Tanita Ballé (PTB)
19:00	Social Dinner	

Alternative date for group photo: 15.03., 13.00 h (if there is rain on 14th).

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Training Course #1: Precise and traceable Radon activity concentration measurements

15th March, Vieweg-Building Room 133

9:00	Opening & Welcome	Tanita Ballé (PTB), Annette Röttger (PTB)
9:15	The traceRadon project	Annette Röttger (PTB), Stefan Röttger (PTB)
9:45 – 10:00	Coffee Break	
10:00	Calibration sources and transfer standards	Tanita Ballé (PTB), Petr Otáhal (SUJCHBO), Roger Curcoll (UPC), Scott Chambers (ANSTO)
10:45	Comparison of sources and transfer standards	Tanita Ballé (PTB), Marta Fuente (UVSQ)
11:30 – 11:45	Coffee Break	
11:45	How to perform the calibration of a reference instrument with the calibration sources and transfer standards – an example	Stefan Röttger (PTB)
12:30 – 13:00	Tour to reference field to see the transfer standards in action and to radon reference chamber.	Stefan Röttger (PTB), Ulf Stolzenberg (PTB)
13:00	Lunch at PTB canteen	

Depending on the weather the outside part of the tour will be prolonged/shortened.

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Training Course #2: Precise and traceable measurement of Rn flux and the application of the Radon Tracer Method

15th March, Vieweg-Building Room 133

14:00	Opening & Introduction	Claudia Grossi (UPC), Giorgia Cinelli (ENEA), Camille Yver Kwok (UVSQ)
14:30	Overview of instruments for radon flux measurements and a new exhalation bed as a primary standard	Claudia Grossi (UPC)
15:45 – 16:15	Coffee Break	
16:15	Tour to reference field for the measurement of radon flux and for measuring radioactivity in dust collected from outdoor air	Ulf Stolzenberg (PTB), Daniel Zapata (PTB)
16:45	The Radon Tracer Method – how to use it	Camille Yver Kwok (UVSQ)
17:55 – 18:00	Closing remarks	Tanita Ballé (PTB)

Depending on the weather the tour will be prolonged/shortened.

!Please bring your personal laptop along as there will be a practical part for the implementation of the Radon Tracer Method!

WLAN will be available for all participants.

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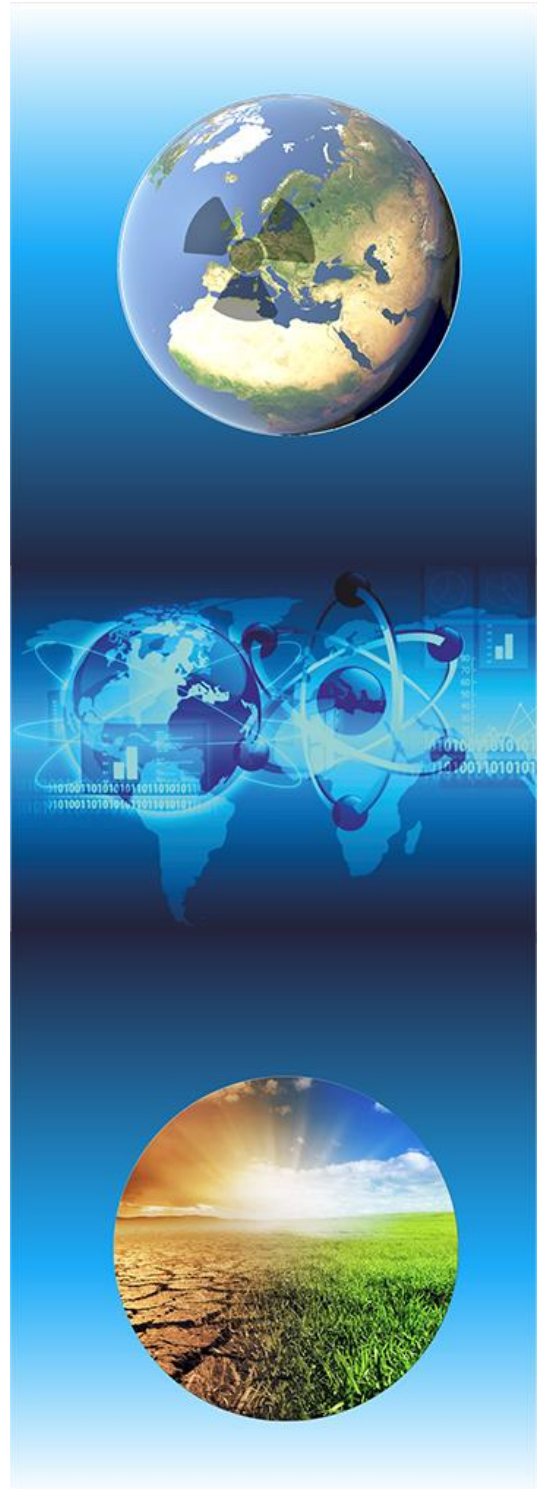
Notes

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traceRadon

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Physikalisch-Technische Bundesanstalt (PTB)

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