



IV international in-field radon intercomparison exercise for active and passive measurement systems in different indoor environments

Dear Participant,

herebelow you will find the instructions for the **exercise A** of the “*IV international in-field radon intercomparison exercise for active and passive measurement systems in different indoor environments*”.

The devices must arrive by **May 31st** to the following address:

Laboratorio di Metrologia delle Radiazioni
Dipartimento di Energia - Politecnico di Milano
Via La Masa, 34 – B18 - 20156 Milano (MI) - Italy
Luisella Garlati - tel: (+39) 022399 6371
AIRP – Interconfronto radon

You can send your parcel from **Monday to Friday** from **9.00 a.m. to 5.00 p.m.** (downloadable label for the package on the website).

Instructions:

- Laboratories must provide **6 devices** for each set, organised in this way:
 - 3 devices (ID number: Axy-01, Axy-02 and Axy-03), closed in a radon proof bag labelled “**Bag 1**”;
 - 3 devices (ID number: Axy-04, Axy-05 and Axy-06), closed in a radon proof bag labelled “**Bag 2**”;where Axy is the assigned set code.
- For those who want to test their radon-proof envelopes, it is possible to send 2 or 4 extra devices. **Each** dosimeter has to be closed in the envelope to be tested. All the devices have to be sent in a separated bag labelled “**sealed test**”.
- Please in the shipping box include: “bag 1”, “bag 2”, eventually the “sealed test” bag, the instructions for use of the devices, the paper copy of the list of devices (form “Device list”: a copy must be sent to radon@airp-asso.it) and a returning label.
- Please in the returning label include: the affiliation, the address of your laboratory to which the devices will be returned after the exposures, a contact person, telephone number and delivery hours.
- Put the label “CAUTION - DO NOT X-RAY” on the box, if necessary (you can download the label from the site).
- After the exposures, the Organising Committee (OC) will take care of the device shipping. Please note that the shipping of the devices to the OC is the responsibility of



the participants. Any additional transport costs will not be covered by AIRP, including customs duties for non-EU participants.

- The non-EU countries MUST attach the customs declaration of 'No commercial value' to the package and mark the 'Temporary' field in the type of export.

Special instructions for E-Perm devices:

- The value of the environmental dose rate will be measured by TLD and communicated at the end of the exposures;
- Please include in the shipping bag a list of devices with the initial voltage of each E-Perm device;
- It is possible to send separately the detector element (electret) and the diffusion chamber, requesting assembly from the OC.

Schedule of the intercomparison
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Submission of the devices	By the 31st May 2024
Exposure period (approximately)	June 2024 – January 2025
Return of devices to the participants	January 2025
Return of the measurement results form to: radon@airp-asso.it	April 2025

For any inquiries, please do not hesitate to contact us via email at: radon@airp-asso.it