

Passive area dosimeter intercomparison IC2025emg

**Announcement of the
EURADOS Intercomparison 2025 for $H^*(10)$ and $H_p(10)$
passive dosimetry systems for emergency use (IC2025emg)**



EURADOS Working Group 3 SG 2 offers the possibility of participating in the 2025 intercomparison for passive area dosimeters using the EURADOS intercomparison online platform. Besides testing area dosimeters, the focus of this intercomparison is evaluating the extent to which personal dosimeters can be used in case of an emergency as surrogates of environmental dosimeters.

The 2025emg intercomparison is intended for $H^*(10)$ and $H_p(10)$ passive dosimeters with the possibility of choosing the measurement condition: 1 month outdoor and/or 3 months outdoor. Extra irradiations with photon radiation will be carried out in an accredited irradiation laboratory: rotating ^{137}Cs irradiations to cover all angles, roughly at mid-measurement period time.

Registration:

<https://www.eurados-intercomparison.org/ic2025emg/>

Participation Fee:

The participation fee is 1000 € for one dosimetry system and 800 € for any additional system. For EURADOS sponsors the price is 900 € for one system and 800 € for any additional system.

Intercomparison coordinator:

Julia Aslan & Christian Naber (KIT Karlsruhe),
Contact: ic2025emg@eurados-intercomparison.org

Organization group:

Julia Aslan & Christian Naber (KIT Karlsruhe), Maria A. Duch (UPC Barcelona), Željka Knežević (RBI Zagreb).

Intercomparison administrator:

Christian Gärtner (Seibersdorf Labor GmbH, Austria)

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Intercomparison procedure:

Participants are required to complete the application form which can be accessed after registration on the online platform. Upon acceptance of the application, the participants will receive an invoice from EURADOS along with further instructions. Please ensure that, before the given deadline, 12 dosimeters per system are sent to the irradiation laboratory:

*Karlsruher Institut für Technologie (KIT)
Building 123
c/o Christian Naber
Hermann-von-Helmholtz-Platz 1
76344 Eggenstein-Leopoldshafen
Germany*

After the measurement periods, the irradiation laboratory will return the dosimeters to the participants for readout. Within one month, the participants should submit their 12 dosimeter results in terms of ambient dose equivalent. After confirmation of the results, EURADOS will provide the final response results in a "Certificate of Participation".

Intercomparison results will be treated by EURADOS as confidential data and participants identity will not be disclosed. Data used in technical and scientific studies will be anonymous.

Time Schedule:

01 June 2025	Start of Registration
31 June 2025	End of Registration
30 July 2025	Deadline for sending signed application forms
15 Oct 2025	Deadline for dosimeter arrival at KIT
24 Nov 2025	Return shipment of 1 month period
24 Dec 2025	Deadline of submitting results of 1 month period
21 Jan 2026	Return shipment of 3 month period
21 Feb 2026	Deadline of submitting results of 3 month period
31 Mar 2026	Final results available