

EURADOS Annual Meeting 2023

AM2023

WG3-3



Tuesday, June 21, 16:00-18:00

16:00 - 16:10	Opening and Welcome: Radon: New developments
16:10 - 16:25	Overview of the radon action plans in Europe; José - Luis Gutiérrez Villanueva, Radonova Laboratories
5 min	Discussion
16:30 - 16:45	Radon measurement in Książ Castle in Poland and dose assessment for tourist guides; Katarzyna Wołoszczuk, Central Laboratory for Radiological Protection
5 min	Discussion
16:50 - 17:05	traceRadon: New results and open questions for research Stefan Röttger, Physikalisch-Technische Bundesanstalt
5 min	Discussion
17:10 - 17:25	RADosis project: Metrology for indoor radon progeny and aerosol measurements Claudia Grossi, UPC
5 min	Discussion
17:30 - 17:45	Radon at workplaces - New regulations and first experiences with the implementation in Austria Valeria Gruber, AGES
5 min	Discussion

Wednesday, 22 June, 09:00-10:30

09:00 - 09:05	Opening and Welcome: Radon at Workplaces and Dose Conversion
09:05 - 09:20	An overview of RADONORM dosimetry topics David Broggio, IRSN
5 min	Discussion
09:25 - 09:40	One year – 16.000 data: First insight to the data base “Radon at work-places” Sebastian Feige, BfS
5 min	Discussion
09:45 -10:00	RADosis project: calculation of dose conversion coefficients at different scenarios by the use of a software code and comparison with ICRP 137 proposed coefficients Arturo Vargas, UPC
5 min	Discussion
10:05- 10:20	Implementation of the conversion from the radon activity concentration to dose: Summary of the Brainstorming Meeting from 2023-01-31 Annette Röttger, PTB
10:20 - 10:30	WG 3.3 General Discussion and Closing session

Tasks for 2022/2023:

- **Task 1.** Collaboration with [traceRadon](#) European Project (start at June 2020)
 - Two main areas: **climate change** and **radiation protection**: ~ 2 M€
 - Letter of support signed by EURADOS. Active engagement in results. Project has ended, reporting and publications are ongoing.

- **Task 2.** To provide support in the usage of the radon/-progeny dose conversion factors published by ICRP in dose assessment at homes and at workplaces
 - Collaboration between both field: **radon metrology** (WG3) and **radon dosimetry** (WG7) in order to provide to the community guidelines and recommendations.
 - Dose calculation exercise. Planned and running: First results are available!



Planned Activities in 2022/2023:

- Cooperate in the scope of 19ENV01 traceRadon
- Cooperate with the EMN for Radiation Protection in the field of radon
- Provide exchange of information on EURATOM Call activities in 2023/2024 for radon
- Provide exchange of information on EURAMET Call activities in 2023/2024 for radon
- **Provide by this funding opportunities**



22NRM07 GuideRadPROS

Mission the European Metrology Network for Radiation Protection

Provide added value:



NMI/DI: Business model for RP research and services: Process to influence the EURATOM Funding.

Member States: Trustworthy results under their duties from the Euratom Treaty and implantation of Council Directives.

EC: Anchoring European radiation protection legislation metrologically: Increased level of confidence in EU.

International Stakeholder Council:



Our Mission: *“To support European **legislation and operators** with reliable data including uncertainties and to clearly express where such reliable data is not available. To jointly **use national capacities to overcome the gaps** in the data. To provide quality assurance and expertise for measurements in exposure situations addressed under the European legislation. To **raise awareness** about the shortcoming in radiation protection funding of the past and to change the steering process for the future.”*

Our route to success:

Euratom Research and Training Programme – Work Programme 2023-2025:

Quality assurance for measurement and for data implemented & extra Call announced.

Brokerage events:

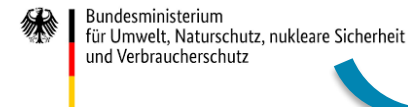
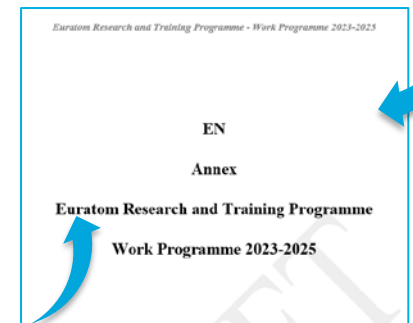
Metrology Calls  and Partnership Radiation Protection Calls

One Voice:

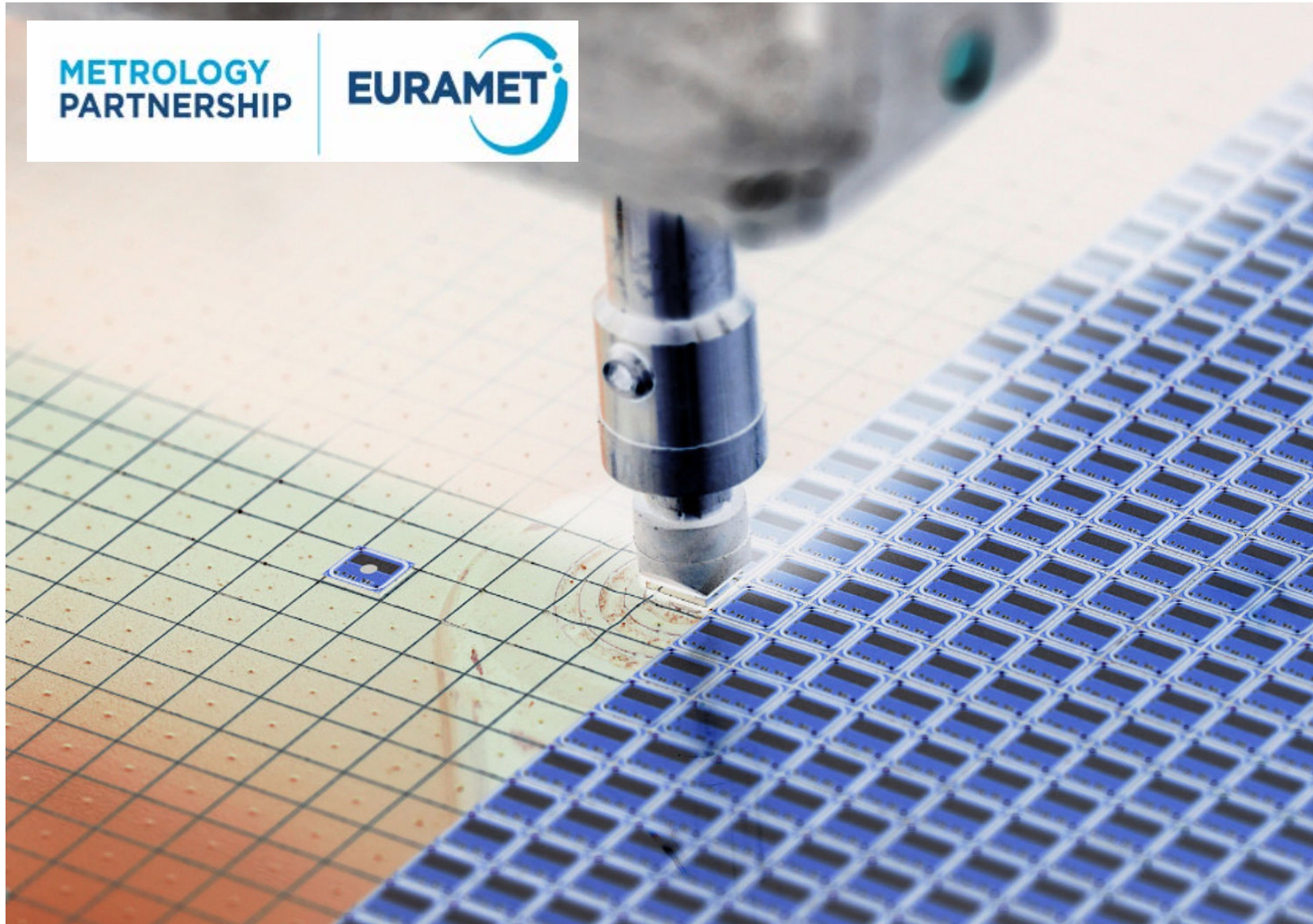
National funding actions / national ministries



RADIATION PROTECTION



METROLOGY
PARTNERSHIP



Metrology Partnership - Industry Call 2023

SRT-i20 Radon metrology: Sensor networks for big buildings and future cities

The JRP shall focus on the traceable measurement and characterisation of proposal developed new and/or improved existing ^{222}Rn activity concentration measurement detectors and the combining of these into automatic multi-sensor networks that provide regular and reliable indoor ^{222}Rn activity concentration measurements with other sensor building types in an energy efficient regime.



<https://www.metpart.eu/>

Thanks for contributing!



Further ideas?

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