

Draft Agenda for WG3 Meeting at EURADOS AM 2024

Date, time: **Mon 8 April 2023 13:30 – Wed 10 April 2023 12:00**

Location: **University of Oxford, Oxford, United Kingdom**

Monday, 8 April 2024		
13:30 – 15:30 WG3 –S1 Spectrometry systems Chair: U. Stöhlker Room 11	13:30	Opening an welcome (U. Stöhlker)
	Task A	IC2024spec - EURADOS intercomparison for the harmonization of novel spectrodosimeter systems
	13:40	Presentation IC2024spec (U. Stolzenberg, PTB)
	13:55	Analysis of spectroscopy data and publication in the framework of the IC2024spec: - Involvement of citizen science networks - Technical aspects (e.g. HPGe reference system) - Discussion (U. Stöhlker, all)
	Task B	Dose rate monitoring including SectroDosiMeters (SDM) systems
	14:10	Improved assessment of $H^*(10)$ in the environment using two complementary active dosimetry systems (S. Neumaier, F. Krasniqi, PTB)
	14:30	Improved data validation techniques by combination of dose rate monitoring with data from stationary HPGE and SDM systems (M. Bleher, BfS)
	14:50	Spectro-dosimeters in detection of contaminations following hypothetical accidents in an NPP (R. Dąbrowski, PAA)
	15:10	Dose conversion, temperature correction and automatic energy calibration (M. Luchkov, PTB)
15:30 – 16:00	Afternoon tea	
16:00 – 18:00 WG3 –S1 Spectrometry systems Chair: U.Stöhlker Room 11	16:00	Security of measured and transmitted data (W. Krysiński, PAA)
	16:20	SDM systems in Europe (M. Bleher, BfS)
	C	UAV-based systems
	16:40	Experience with UAV based systems (M. Luchkov)
	17:00	New spanish project on unmanned aerial monitoring; Gamma-dron (A. Vargas, UPC)
	17:15	Discussion (all)
	D	Machine Learning
17:30	ML-based outlier and novelty detection for gamma spectroscopic applications in environmental monitoring (R. Wenisch, BfS)	

18:30 – 19:30	Welcome drink
20:00	Joint WG3 S1 Dinner (organized by subgroup chair)

Tuesday, 9 April 2024		
09:00 – 10:30 WG3 –S1 Spectrometry systems Chair: U.Stöhlker Room South	09:00	Principle Component Analysis as applied to qualitative analysis of mobile Measurement and monitoring data sets (T. Karhunen, STUK)
	09:20	Development of combined ADER/SDM systems (U. Stöhlker)
	09:40	Summary and discussion on future applications of ML based Techniques (U. Stöhlker, all)
	E	Miscellaneous
	10:00	BIOSPHERE project: An update on the link between environmental radiation, atmospheric chemistry and health (F. Krasniqi, PTB)
	10:15	General discussion (all)
10:30 – 11:00	Coffee Break	
11:00 – 12:30 WG3 –S2 Passive systems Chair: C. Naber Room 11	11:00	Opening and welcome, short status report of WG3 –S2 (C. Naber, KIT)
	11:20	Presentation on “Environmental dosimetry in UK” (provisional title) (speaker tbd)
	11:50	Presentation on “Need for a commercially available $H^*(10)$ Secondary Standard” (R. Schnell, BfS)
	12:10	Presentation on “A new passive material for environmental dosimetry” (provisional title) (R. Rodriguez, CIEMAT)
12:30 – 13:30	Lunch Break	
13:30 – 15:30 WG3 –S2 Passive systems Chair: C. Naber Room 11	13:30	Presentation on “Passive area dosimetry at the Research Site Rossendorf” (S. Ebert, VKTA)
	13:50	Presentation on “2024 Questionnaire on passive area dosimetry systems” (M. A. Duch, UPC)
	14:10	Presentation on “EURADOS Calibration Intercomparison IC2023calib” (C. Hranitzky, SL)
	14:30	Presentation on “Planned EURADOS Intercomparison IC202xarea” (speaker tbd)
	14:40	Presentation on “Compose technical recommendations/guidelines for environmental monitoring with passive integrating dosimeters in EURADOS” (S. Ebert, VKTA)
	14:50	Open discussion (all)
15:30 – 16:00	Afternoon tea Note: parallel session of WG2-S2 and WG3 S3	

16:00 – 17:30 WG3 –S3 Radon Chair: A. Röttger Room 15	16:00	Opening and Welcome: New developments in WG3-S3 (A. Röttger, PTB)
	16:15	RadonNorm: Results of a performance testing of budget electronic radon monitors (Sebastian Feige, BfS)
	16:45	From needs to solutions: EMN RP and the project RadonNET (Stefan Röttger, PTB)
	17:15	Open questions and gaps regarding thoron (Francesca Tugnoli, BfS)
16:00 – 17:30 WG3 –S2 Passive systems Chair: C. Naber Room 11	16:00	Work meeting on Task 4: “Compose technical recommendations/guidelines for environmental monitoring with passive integrating dosimeters in EURADOS” (S. VKTA)
19:00		
		Early career event at the White House Pub
20:00		
		Joint WG3 S2 WG3 S3 Dinner (organized by subgroups chairs)

Wednesday, 10 April 2024		
09:00 – 10:30 WG3 –S3 Radon Chair: A. Röttger Room 15	09:00	History of the radon dose conversion from ICRP 65 to now (José - Luis Gutiérrez Villanueva, Radonova Laboratories)
	09:20	Field Measurements of Radon Progeny in a Spanish Tourist Mine and application of ICRP Coefficients and an Enhanced Model for Dose Calculation (Arturo Vargas and Claudia Grossi, UPC)
	09:40	Radon, Thoron and progeny measurements in Austrian underground workplaces – first results and experiences (Valeria Gruber, AGES)
	10:00	Update of the implementation of the conversion from the radon activity concentration to dose: Summary of the comparison (Sebastian Feige, BfS and Annette Röttger, PTB)
10:30 – 11:00	Coffee Break	
11:00 – 12:00 WG3 Plenary Meeting Chair: A. Vargas Room 11	11:00	Opening and Welcome (A. Vargas)
	11:15	WG3 presentation to the General Assembly (A. Vargas)
	11:45	Suggestions and questions
12:30 – 13:30	Lunch Break	
13:30 – 17:30	EURADOS General assembly	
19:00		
		EURADOS Social Dinner at the Oxford Town Hall