

CTBT Science and Technology Conference 2021 (SnT2021)

Wednesday, 30 June 2021

T2.4 e-poster session: e-poster session - T2.4 - Atmospheric and Subsurface Radionuclide Background and Dispersion

(09:00 - 12:00)

-Conveners: Jonathan Bare; Robin Riedmann

[id] title	presenter	board
[352] An investigation on the IMS noble gas stations network coverage: 2015-2019	Mr ABDOLLAHNEJAD, Hamed	
[217] Isotopic transport variation as a function of environmental conditions	Mr FOXE, Michael	
[360] NPE19 source term reconstruction based on radionuclide monitoring result	Mr ZHAO, Yungang	
[421] Characterization of radioxenon global background between 2015 and 2020	Mr ELBAHRAWY, Mohammed Yehia Taha Ahmed	
[523] Source reconstruction from dry and wet deposition measurements	Mr SCHÖNLANK, Max	
[552] Preliminary analysis results of ongoing temporary radioxenon background measurement campaign in Japan	Mr BARE, Jonathan Ms MERESOVA, Jana	
[606] Global radioxenon emission inventory 2014 from all types of nuclear facilities	KALINOWSKI, Martin B.	
[261] Non-parametric study of the radioxenon data distribution, measured at the noble gas stations of the International Monitoring System of the CTBTO	Mr OTTAVIANO, Giuseppe	
[553] Sub soil measurements in Sweden of radioxenon and radioargon	Mr ALDENER, Mattias	
[637] How to Use the FLEXPART Model in Atmospheric Transport Modelling Challenges	Ms SEIBERT, Petra	
[258] Atmospheric and Subsurface Radionuclide Background and Dispersion	Mr PAZDNIAKOU, Aliaksei	
[125] Characterizing the background variability of radionuclides at International Monitoring System stations	Mr LUCAS, Donald	
[307] Spatial and Temporal Variation of the Anthropogenic Radionuclides Cs-137 and Cs-134 in Ground-Level Air Samples by IMS Stations Located on the African Continent	Ms SEIF, Dorice Rashid	
[206] XENAH: Xenon Environmental Nuclide Analysis at Hartlepool	Mr MILBRATH, Brian	
[321] Baseline assessment of radionuclides and heavy metals in groundwater, surface water and soil along with their potential human health risk in the vicinity of Rooppur nuclear power plant, Bangladesh	Ms CHOUDHURY, Tasrina Rabia	
[211] STAX Project – Data data analysis and interactive data access	Mr AUER, Matthias	
[607] Investigation of Xe-135 observations at IMS noble gas systems generated by neutron activation and its relevance for nuclear explosion monitoring	KALINOWSKI, Martin B.	
[169] Search for small temporal modulations of half-lives of radionuclides in the IMS Quality Control data	Mr DAVID, Gabor	
[78] First results with INVAP STAX monitor	Mr FERNANDEZ BALDIS, Federico	
[461] Modeling plume dispersion for near ground explosion scenarios in the framework of a decision support system	Mr HIEDEN, Alexander	

[90] Comparative study of the transient and steady state thermal hydraulics analysis of the Low Enriched Uranium (LEU) core of Ghana Research Reactor-1 (GHARR-1)	Mr AMOAH, Prince	
[373] How can we determine the origin of radionuclide observations? Presenting the Bayesian source reconstruction algorithm "FREAR"	Mr DE MEUTTER, Pieter	
[590] Evaluating the added value of multi-input atmospheric transport ensemble modeling for applications of the Comprehensive Nuclear Test-Ban Treaty Organization (CTBTO)	Mr MAURER, Christian	
[75] Radionuclides Cs137 and Sr90 in mussel population from Rio de Janeiro, Brazil.	Mr DA COSTA FERNANDES, Flavio	
[427] Source-Term Estimation of the CTBT relevant radionuclides using EgNDC-SRC and Webgrape Software.	Mr MEKHAIMER, Sayed	
[99] Development of New Methods for Measuring Concentration Activities I-131 Using Direct and Indirect Methods in Radioisotope Production Stacks, in the Environment and in Settlements (Indoor and Outdoor)	Mr SUHARIYONO, Gatot	
[37] Comparison of modelled atmospheric radionuclides from the Fukushima Dai-ichi nuclear accident with CTBTO station measurements.	Mr CHRISTOUDIAS, Theodoros	
[563] Simulating Xe-133 concentrations at IMS noble-gas-stations, using operational stack emission data from the medical isotope production facility of Fleurus	Mr DELCLOO, Andy	
[88] Applications in CFD in nuclear emergency response decisions	Mr BONFIM, Carlos Eduardo Santos	
[274] Shielding of radiation from atmospheric dispersion resulting from a radiological accident	Mr CURZIO, Rodrigo	
[308] Ultra-sensitive gamma-spectrometry measurements of environmental samples from the Hartlepool Nuclear Power Station	Mr BURNETT, Jonathan	
[480] Analysis of Atmospheric Radioxenon Detections in the UK	Mr GOODWIN, Matthew	
[144] Modeling of atmospheric dispersion and radiation dose for a hypothetical accident in a radioisotope production facility	Mr ELKHATIB, Hesham	
[80] Atmospheric Transport Model Applied to the Design of Nuclear Facilities	Ms ALESSI, Mariana	
[335] Effect of 2020 Chernobyl Exclusion Zone Wildfires on the IMS Radionuclide Stations Network	Mr YOON, Seokryung	
[260] Parametric study of the radioxenon data distribution, measured at the noble gas stations of the International Monitoring System of the CTBTO	Mr OTTAVIANO, Giuseppe	
[551] A study of the radioxenon background and potential sources at the IMS station SEX63, Sweden	Mr ALDENER, Mattias	
[405] Devices to reduce the emission of radioactive noble gases into the environment	Mr CARRANZA, Eduardo Carlos	

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