

Radionuclide Detection Variation in Europe: A Comparative Analysis /LIGHTNING **Using RN Toolkit**





P5.1-785

¹Chemical, Biological, Radiological and Nuclear Defense Institute (IDQBRN), Brazil; Military Institute of Engineering (IME), Brazil, ³Artificial Intelligence Commission – Brazilian Bar Association (Rio de Janeiro Chapter), Brazil, ⁴Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT), Spain; ⁵ Center for Radiation Protection and Hygiene, Cuba.

Come over to see our poster if you would like to find out more about:

IMS radionuclide data (2021–2024)

- Seasonal trends (Cs-137, I-131, Co-60)
- Noble gas detections (Xe-133, isotopic ratios)

Evaluation

 Annual, Monthly Seasonality; **Nuclide Categorization** Metrics

Methodological feedback

Comparative analysis



This report was prepared for scientific and academic purposes using openly available IMS and RNToolkit outputs. The analyses, interpretation's, and conclusions are solely those of the author and do not represent the official position of the CTBTO Preparatory Commission, the Brazilian Government, the Brazilian Army, or any affiliated institution.