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IDC software applications for Radionuclide data analysis

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The CTBTO International Data Centre (IDC) initiated the development of novel software applications for modernizing automatic processing and interactive analysis of radionuclide data from the International Monitoring System (IMS).

The ongoing projects aim at completing the migration to open source license free software, unifying the processing tools for particulates and noble gas, integrating new technologies and analysis methods as well as enhancing the IDC products and dissemination tools for National Data Centers (NDCs).

The presentation will provide updated status and future plans on ongoing projects:

(a) iNtegrated Software Platform for Interactive Radionuclide rEview (iNSPIRE),

(b) automatic Software Tool for RAdionuclide Data Analysis (autoSTRADA),

(c) Geant4 based RAdioNuclide Detector Simulation (GRANDSim) and

(d) new web based application (RNToolkit).

Promotional text

The contribution presents an update on novel IDC radionuclide software applications iNSPIRE, autoSTRADA, GRANDSim and RNToolkit.

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