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Using Open Source Data to Make Data Fusion with International Monitoring System Data and to Understand and Correlate Radionuclide Detections at the International Monitoring System Station RN43

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In this study we have used open access data from NASA Earth Science data System and meteorological data from the data set of the International Monitoring System (IMS) stations to find out correlations with the observable detections of radionuclides at the RN43 station in Nouakchott. The data fusion between IMS data and open access data can be considered as a tool for National Data Centres to understand detections and levels at IMS stations. Furthermore, it can be used to verify seasonality of anomalous detections. Some suggestions on how to introduce new parameters and data in the civil and scientific application section of the CTBTO secure web portal will be also presented. This work has been performed in the framework of a joint collaboration between the Italian and the Mauritanian National Data Centres.

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Promotional text

Using open source data to make data fusion with IMS data and to understand and correlate radionuclide detections at the IMS station RN43.

Oral preference format

in-person

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