ID: **P2.4-200** Type: **E-poster**

Indonesian – Radiation Detector Monitoring System (I-RDMS), a Nuclear Early Warning System from Transboundary Radioactive Release

Thursday, 22 June 2023 11:09 (1 minute)

BAPETEN (Nuclear Energy Regulatory Agency of Indonesia) is currently developing the Indonesian – Radiation Detector Monitoring System (I-RDMS) as an early warning tool to detect environmental radiation exposure increases on the territory of Indonesia. This system aims to check the availability of representative and reliable real-time online data on environmental radioactivity as a Nuclear Early Warning System within the framework of national nuclear surveillance and preparedness. This placement is based on the suitability analysis that determines the areas with the fallout potential caused by the transboundary radioactive release. I-RDMS detectors currently have been installed in several locations in Indonesia, five of them are located at Jayapura CTBT Station, Kappang CTBT Station, Lembang CTBT Station, NTT CTBT Station, and Sorong CTBT Station. By installing I-RDMS detectors in various locations, it is projected that the system can detect radiological impacts directed to Indonesia from transboundary radioactive releases caused by nuclear weapons experiments or nuclear accidents.

E-mail

a.rahmawati@bapeten.go.id

Promotional text

The Indonesian – Radiation Detector Monitoring System (I-RDMS), a Nuclear Early Warning System from Transboundary Radioactive Release

Oral preference format

in-person

Primary author: Mrs RAHMAWATI, Alifia (Nuclear Energy Regulatory Agency)

Presenter: Mrs RAHMAWATI, Alifia (Nuclear Energy Regulatory Agency)

Session Classification: Lightning talks: P2.4

Track Classification: Theme 2. Events and Nuclear Test Sites: T2.4 Atmospheric and Subsurface Radionuclide Background and Dispersion