

Integrating the CTBTO IMS and NDC into the NNNREP as a Tool for Enhancing Radiological Emergency Response and Preparedness in Nigeria

The National Nuclear and Radiological Emergency Response Plan (NNREP) describes the capabilities, responsibilities and authorities of government and international agencies. It also provides a conceptual basis for integrating the activities of these agencies to protect public health and safety. The CTBTO International Monitoring System verification technologies, together with the data, technologies and products of the International Data Centre, have potential civil and scientific applications which can provide significant benefits to States and the international scientific community. These work is is to integrate CTBTO capabilities into the NNREP in collaboration with the National Data Center and other National agencies like the Nigerian Geodesy and Geodynamics Agency, to help detect radionuclides and to provide results on radionuclide air concentrations from the CTBTO global monitoring network and related expertise; as well as advice on atmospheric transport and dispersion predictions as a result of a nuclear and radiological accident . If these capabilities are enhanced and integrated in to the NNREP it would go a long way to protect public health and safety through the useful information's provided to the emergency response organizations in Nigeria as stipulated in the NNREP from the relevant IMS monitoring stations.

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