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The role of NDCs and NDC cooperation to promote the additional use and understanding of IMS data to benefit civil applications

The national data centre (NDC) in Namibia assists the IMS I35NA infrasound station with daily data quality monitoring. Although infrasound is relatively new, the Namibian NDC has taken on the challenge to analyse and interpret both infrasound and seismic data sets from the Namibian IMS station. It remains challenging, but one objective of the NDC is to identify most cultural and static infrasound sources in the I35NA spectrum. Another objective is to monitor the influence of mining activity on the I35NA station using infrasound data and satellite imagery. Another objective is to build strong NDC cooperation ties with different NDCs on civil problems faced in Namibia. One such cooperation is with the Austrian NDC to do forensic analyses on IMS seismic data to better understand seismic activity in the Kunene Region of Namibia. Another project is cooperation of the Namibian NDC with the Young Professional Network (YPN) to produce a seismic hazard map using IMS data and to communicate the information to rural communities. The Namibian NDC is also active in public awareness of the CTBT with regular articles and student engagements.

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