

## as an Essential Part of NDCs

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Although the CTBTO has primary and auxiliary seismic stations in the International Monitoring System (IMS), it may be interesting to include local stations for the NDCs, but these stations must comply with the quality parameters imposed by the IMS. The stations of this proposal are those managed by the CNS-UASD network (PCDR, SMDR, MCDR and SODR) that belong to the Dominican Republic (DR) and Puerto Rico (PR).

This investigation will address the requirements that the IMS applies to seismic stations and will be applied to the stations of the local network. This research will serve as a pilot for local networks to have a point of comparison and in turn raise the quality of their stations, which are used by local NDCs for their civil applications.

Having good quality stations translates into reliable measurements, just as the IMS does by treaty mandate. This study seeks to homogenize the local stations with those of the IMS, so that they can receive some certification according to the CTBTO requirements so that in the future they can be consulted as part of specific CTBTO studies and thus reduce the gap in some areas or be able to detect events minors.

### E-mail

jleonel78@uasd.edu.do

### Promotional text

This study seeks that local stations can be certified according to the CTBTO requirements, they will help in the future they can be consulted as part of studies to reduce the gap in some areas or be able to detect smaller events of interest if necessary.

### Oral preference format

in-person

**Primary author:** Mr LEONEL, Jottin (Centro Nacional de Sismología de Republica Dominicana (CNSS-UASD))

**Presenter:** Mr LEONEL, Jottin (Centro Nacional de Sismología de Republica Dominicana (CNSS-UASD))

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