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The Italian CTBTO CNF: readiness test status

The National Institute for Oceanography and Experimental Geophysics (OGS) in Trieste (Italy) in cooperation with the Italian CTBTO National Authority is offering its Cludinico (CLUD) seismic station as a Cooperating National Facility (CNF) to the CTBTO: as outlined in Pesaresi and Horn (2015) the additional data from the Italian CNF improve the CTBTO location capabilities in the Europe/Middle East area of about 21%. In this presentation we will illustrate technical details of solutions adopted to incorporate the Italian CNF into the CTBTO IMS: evaluation of data acquisition systems, CTBTO Standard Station Interface (SSI) hardware and software procurement, operation and tests, UPS upgrade, anti-tamper device operations, CTBTO GCI installation and test, security measures installation. Reference: Pesaresi, D., and Horn, N.: Improving CTBTO monitoring capabilities: the Italian proposal for a CNF, CTBT Science and Technology 2015, Vienna, Austria, 22-26 June 2015, T4.1-P31, doi:10.13140/RG.2.1.2862.1927, 2015.

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