

Science in Support of International Treaties and Sustainable Development Goals

Though the CTBTO verification regime is not equipped and designed to solve many the issue that accompanied in International Treaties and Sustainable Development Goals of UN, the CTBTO centralized approach confirmed the necessity of similar framework to address the global issues, preferably adding and building required tools around the CTBTO system while maintaining its authentic core function, simultaneously facilitating the global and noble desires. Specific International Treaties address concerns on cross-border pollution, ballistic missile testing, air-space violation to migratory species, which physical characters such as thermal and noise components are involved. As CTBTO, over the decades, become masters of waveform analysis, re-configuring the existing facilities via adding necessary components would be very feasible towards facilitating these International Treaties. Fresh water availability, food security and clean energy seem to be the main pillars of the UN Sustainable Development Goals. Well-developed centralized system of CTBTO, with added components, will enables to address many concerns associated with these main basic requirements along with forecast of possible threat to the same via natural disasters. An upgraded centralized CTBTO system enables to cater International Treaties and UN Sustainable Development Goals putting many things in proper order additionally “putting an end to nuclear testing”.

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