



ID: J04

Type: Panel discussion

## affecting CTBT: pertinent to IMS monitoring system (sensors)

*Tuesday, 29 June 2021 17:15 (1h 30m)*

The CTBT IMS employs four monitoring technologies: seismology, infrasound, hydroacoustics and radionuclide (both particulate and noble gas). It is vital that the PTS stays abreast of new developments related to all sensor types to maintain its high-performance level, and network sustainability, in order to safeguard and improve the Treaty Verification capability. This panel will discuss new generation sensors that may already be available, and innovative efforts for future developments. Potential areas of discussion are networks of infrasound sensors, combination of rotational and directional seismic sensors, modular design hydroacoustic hydrophone stations, SMART underwater cables and sensors, fibre-optic seismometers and hydrophones, improved concepts for particulate radionuclide stations, new generation of noble gas stations.

### Promotional text

**Primary author:** Ms MERAL OZEL, Nurcan (CTBTO Preparatory Commission, Vienna, Austria)

**Co-authors:** Mr CRAM, Geoffrey (University of Washington Seattle, WA, USA); Mr DOUYSET, Guilhem (Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France); Mr WAXLER, Roger (National Center for Physical Acoustics, University of Mississippi, MS, USA); Mr KODAIRA, Shuichi (Japan Agency for Marine-Earth Science and Technology, Yokosuka, Kanagawa, Japan); Mr BRUNS, Thomas (Physikalisch-Technische Bundesanstalt, Germany)

**Presenter:** Ms MERAL OZEL, Nurcan (CTBTO Preparatory Commission, Vienna, Austria)

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