



International Scientific Studies (ISS) to assess the capability of CTBT verification system

M. Nikkinen

CTBTO, IDC/SA/SM, Vienna, Austria (mika.nikkinen@ctbto.org)

In 2008 CTBTO launched ISS, a project under which there is an intention to carry out scientific studies and assessments through a coordinated international effort to evaluate the readiness and capability of the CTBT verification system to detect nuclear explosions in all environments. The studies include also aspects to explore how scientific developments might further improve on these capabilities. They also assess the timeliness, quality and quantity of data which are produced, transmitted, processed and distributed. Special emphasis is on how well the international monitoring system of CTBTO can detect, locate and characterize events of interest. Additional aspects cover how to examine the application of data obtained from the verification technologies for civil and scientific purposes and how to address how to facilitate national capacity building. The presentation shall provide information on focus areas of studies, how the results of the studies shall be presented and how the international scientific community may benefit from ISS.