

## Roles of Global Verification and On-Site Verification

*Thursday, 29 June 2017 16:15 (15 minutes)*

Global Verification extends far beyond the standard tools of International Monitoring System (IMS), and act as the common platform for public interaction; a platform to share knowledge. The tools of Global Verification regime would be a library of knowledge varying from physical earth characters to possible physiological behaviour of a would-be Inspected State Party. Whereas, On-Site Verification is a specialized and robust operation, confined to specific expertise, due to strict code-of-conduct and sensitivity of the outcome. The two entities, marry effectively forming a continuous process towards successful verification via IMS products. On a specific event, IMS products along with Global Verification tools produces an effective framework for OSI initiation. The whole process is a continuous flow zooming into the area of interest, adding layers as progress, towards fruitful On-Site Verification. Considered the developing trends of remote sensing techniques, the challenges on evolving a full-fledged remote Global Verification mechanism hardly a technical aspect, yet political, as constrains will be imposed on usage of the technology under the pretext of “national security”. However, identifying the Global Verification norms in its practical domain and appropriate linkage with the On-Site inspection tools and functionality, enables to overcome many the challenges that Verification demands.

**Primary author:** DE SILVA, Nalin (Geological Survey and Mines Bureau (GSMB))

**Presenter:** DE SILVA, Nalin (Geological Survey and Mines Bureau (GSMB))

**Session Classification:** T5.1 Science in Support of Global Policy Decisions

**Track Classification:** 5. Monitoring for Nuclear Explosions in a Global Context