

State Provided GIS Data Sources for Treaty Verification

The IAEA's Division of Information Management regularly uses geographic information for assessment of correctness and completeness of States' declarations, which is essential to soundly draw safeguards conclusions. The data model guidelines (1) for providing information set forth in the Model Additional Protocol (AP) may also provide for other verification regimes with a proven, real-world example when designing criteria for geographic information provided by States parties. Within the IAEA, a joint Member State Support Programme task on Digital Declaration Site Maps has already demonstrated the viability of submitting declaration site maps digitally in a spatial format. IAEA's new input system for AP declarations, Protocol Reporter 3, supports the integration of digital maps. A next step in this pilot project is to evaluate the technical changes required to implement a new submission process using a secure, web-based Geographic Information System (GIS) for a few selected sites in Germany. Modern GIS portals hold the potential to assist in sharing information and enhancing collaboration within international verification organizations or between organizations and State parties. 1. The IAEA's 2004 Guidelines and Format for Preparation and Submission of Declarations Pursuant to Articles 2 and 3 of the Model Protocol Additional to Safeguards Agreements, Service Series 11

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Track Classification: 3. Advances in sensors, networks and processing