Building Future Safeguards Capabilities
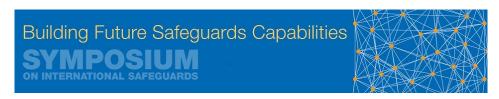**SYMPOSIUM**
ON INTERNATIONAL SAFEGUARDS

Contribution ID: **116**   Type: **Panelist (Panel Session)**

Visualizing Safeguards Data in a Geographic Information System

Wednesday, 7 November 2018 11:20 (7 minutes)

Geographic Information Systems (GIS) are widely used to improve access to and comprehension of spatial-temporal information. The IAEA, through their MOSAIC project, developed the Geobased Data Integration (GDI) portal using the ESRI ArcGIS software platform. ESRI ArcGIS is widely used in the GIS community and it has the capacity to integrate and manage vastly different sets of data. Therefore, GDI has the capacity to add new features and grow in its utility to the safeguards inspectorate.

This paper, in responding to the Symposium's examination of how novel visualization techniques for different data sources can be applied to safeguards, proposes enhanced concepts for incorporating and integrating data sets available to the Agency in GDI. With a particular focus on visualizing the flow of nuclear material accountancy data in GIS, the paper will explore how GIS can improve information sharing across stakeholders in the Department of Safeguards, leading to more effective analyses, safeguards implementation, and maintenance of historical safeguards knowledge.

Which "Key Question" does your Abstract address?

TEC2.1

Which alternative "Key Question" does your Abstract address? (if any)

TEC2.6

Topics

TEC2

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Session Classification: [TEC] Visualization for Information Integration

Track Classification: Leveraging technological advancements for safeguards applications (TEC)