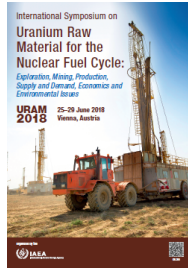


International Symposium on Uranium Raw Material for the Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues (URAM-2018)



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IAEA SAFEGUARDS ASPECTS OF, AND ISSUES IN, URANIUM MINING AND ORE PROCESSING

Thursday, 28 June 2018 11:00 (20 minutes)

As part of the efforts to strengthen international safeguards, including enhancing its ability to provide credible assurance of the absence of undeclared nuclear material and activities, the International Atomic Energy Agency (IAEA) is making use of increased amounts and types of information on States' nuclear and nuclear-related activities. This information includes declarations provided by States (e.g., in accordance with Safeguards Agreements and/or the Additional Protocol), information collected by the Agency (e.g., inspectors' findings, environmental sampling data), and other information available to the Agency (e.g., open sources, satellite photographs and data). In seeking technical tools to aid enhanced information analysis, the IAEA Department of Safeguards developed the Physical Model under Task 5 of Programme 93+2. It includes all the main activities that may be involved in the nuclear fuel cycle. Volume 1 of the Physical Model addresses the key aspects and indicators associated with uranium mining and processing. The revised Volume 1 "Mining and Ore Processing" is the product of a group effort of experts from within the Department of Safeguards, other Departments of the IAEA, and Member States. This presentation will provide an overview of the role of Volume 1 of the Physical Model.

Country or International Organization

IAEA

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