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Knowledge Management in the Context of Comprehensive Nuclear-Test-Ban Treaty (CTBT) Science and Technology

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In support to the Comprehensive Nuclear-Test-Ban Treaty, the worldwide scientific community - via the CTBT SnT Conferences - has the opportunity to build partnerships and encourage knowledge exchange, allowing the CTBTO to remain at the forefront of the relevant technology for test-ban verification. The SnT Conferences are organized biennially by the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organisation (CTBTO). This paper analyses the CTBT SnT topics presented at the Conferences from 2006-2021, capitalizing on scientific and technological applications, trends, innovations and worldwide collaborations. The goal of this work is to provide directions on the knowledge management approach for deep content analysis, strengthening the role of Knowledge Organisation Systems (KOS) as a mechanism and tool for analysing and disseminating content. This research reflects the necessity of creating a KOS-based tool for knowledge recognition and discovery that will encourage communication in a valuable way.

Promotional text

Analysing the topics from SnT Conferences 2006-2021, the paper reflects the necessity of creating a Knowledge Organisation System-KOS-based tool for deep content analysis that will encourage CTBT SnT knowledge communication and reuse on a valuable way.

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