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Importance of Blockchain in Nuclear Verification as a Solution to Reporting Hardships in Times of Crises

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The COVID-19 pandemic illustrated how the world could shut down overnight and how adaptations need to occur immediately in order to continue the functionality of imperative operations such as those of the CTBTO. Because of the issues brought to light in the COVID-19 pandemic, it is imperative to learn how technology can be used to mitigate the challenges highlighted during the COVID-19 pandemic specifically ensuring nuclear nonproliferation practices remain in place. Utilizing secondary analysis comparison was made on benefits blockchain has in maintaining continuous reporting in a time of crisis. Blockchain is a technology that helps mitigate some of the challenges that arose and became apparent during the COVID-19 crisis by ensuring uninterrupted reporting because it does not require human to human contact, paper records, or access to specific locations. Blockchain technology is not something that is only useful in a pandemic but can be extrapolated to times of war and severe weather or climate crises.

Promotional text

Covid-19 outlined various challenges that can arise in a time of crisis illustrating the importance of having technologies in place that can overcome and operate through those challenges.

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