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## Use of Satellite Imagery and Other Open Source Information for Nuclear Test Site Monitoring

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In environments where there is relatively little available open source information the analysis of satellite imagery data can be of particular value in monitoring for indications of nuclear weapon test preparation activities, such as signs at suspected nuclear weapon test locations of increased vehicle traffic, construction of support buildings, and tunnel excavations. This paper will use the People's Democratic Republic of Korea Punggye-ri nuclear test site as a case study and will explore various imagery types, methodologies, and processing techniques of satellite imagery for nuclear test site monitoring. Additionally, this paper will assess how other open source information can support satellite imagery focused monitoring efforts.

## **Promotional text**

This paper examines the case of the People's Democratic Republic of Korea Punggye-ri nuclear test site to explore the utility of the analysis of satellite imagery data and other open source information in monitoring for indications of nuclear weapon test preparation.

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## **Oral preference format**

in-person

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