

## -Site Inspection in Challenging Environments

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An on-site inspection (OSI) could be triggered in any environment. Environmental factors affect not only the signatures and observables of a nuclear explosion, but also the performance of the inspection team. Pursuant to the work on the OSI Action Plan 2016-2019 Project 1.5 on Operationalization of OSIs in Different Environments, this poster summarizes typical nuclear test explosion scenarios, key elements to be considered when developing OSI capability for different OSI environments and identifies challenging environments, i.e. mountainous areas, high seas, extreme climates and high/densely vegetated areas. Given the significant challenges that lie ahead for the development of OSI capabilities in challenging environments, it is envisaged that with the support of States Signatories and the involvement of the scientific community, a comprehensive OSI capability with strong climatic and environmental adaptability will be established.

### Promotional text

Establish a balanced, coherent, and robust verification regime at entry into force of the CTBT.

### E-mail

feihong.kuang@ctbto.org

### Oral preference format

**Primary author:** Mr KUANG, Feihong (CTBTO Preparatory Commission)

**Co-author:** Mr HAQUIN GERADE, Gustavo

**Presenter:** Mr KUANG, Feihong (CTBTO Preparatory Commission)

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