

# **THE ROLE OF AEOLIAN FLOWS (EROSION) IN CHEMICAL EXPLOSIVE CRATERING II (SUB SURFACE)**

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## **ABSTRACT**

In ISSW30 D. Reinecke presented experimental results for small land mine penetration process [1]. Their experimental results indicated the formation of a collimated narrow jet emerging from the subsurface detonation produced bubble. This jet carries a negligible mass of the surrounding soil media.

Following this burst, the contact between detonation products and air widens and a significant amount of soil material is being ejected to air. We numerically simulate this process, and study the role of dust lofting in the excavation process. The code used is analogous to DICE/MAZ.