

**BLAST-INDUCED SOIL LIQUEFACTION STATE-OF-THE-ART**

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Since 1977 research has been carried out, to investigate the effects of explosives on the liquefaction of soils. Activities in this field in Germany, Switzerland and the Netherlands were combined in a European working group.

The objective was to compare theories and measured results, and to cooperate in field- and laboratory-tests to improve the knowledge of explosive-induced soil liquefaction. The paper deals with the achievements concerning the comparison and choice of transducers, existing and developed theories, small- and medium-scale testing, simulation and liquefaction criteria. The paper can be seen as a state-of-the-art report.