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## Comparative analysis of mining-induced earthquakes focal mechanisms in the Khibiny massif

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In the paper the focal mechanisms of several mining-induced earthquakes have been analysed, registered over the recent years within the area of underground and open-pit operations impact in the Khibiny massif.

The reasons and distinctions of these events genesis have been considered comparable in energy, though, occurred in different rock mass parts.

The most hazardous mechanism of earthquakes has been identified with regard to their impact on underground and surface structures resulting from large-scale mining operations in high-stressed rock mass.