

CGU_S_02: Induced Seismicity in Canada and the USA: Lessons Learned and Recommendations for Partnerships and Potential Directions

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Session Description

Induced seismicity is an active research area, with industry, academia, and governmental organizations bringing their perspectives to efforts to understand and mitigate induced earthquakes. The proposed session is intended to provide a platform to present the latest research, field studies, theoretical and modelling aspects, as well as methods for seismic hazard analysis related to induced and triggered seismicity. This session will provide a venue for scientists from both Canada and the USA to share and exchange their knowledge on all forms of induced seismicity, including hydraulic-fracturing, wastewater, geothermal exploitation, open pit and underground mining, CO2 storage, and other fields such as volcano-seismology, where induced and triggered seismicity is observed. We seek abstracts covering both fundamental and applied research characterizing induced seismicity, as well as recommendations that will be useful for planning for future studies and partnerships potential directions. This session aims to promote interaction and collaboration between public agencies and institutions, and the private sector in an effort to share the latest advances and bridge existing knowledge gaps.

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