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Seismic tomography and MASW as a tools improving Imaging – uncertainty analysis.

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In recent years, near surface seismic imaging become topic of interest for geoengineers and geologists. In connection with other seismic methods like MASW and travel time tomography, seismic imaging can provide more complete model of shallow structures with analysis of uncertainty. Often forgotten, uncertainty analysis provide useful information for data interpretation, reducing possibility of mistakes in model applied projects. Moreover, application of different methods provide complete utilization of acquired data for in-depth interpretation, or with possibility to solve problems in other surveys. Applying different processing methods for the same raw data allowed authors to receive more accurate final result, with uncertainty analysis based on more complete dataset in comparison to the classical survey scheme.