

Reflection Seismology

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Synonym: [Reflection Seismology](#) = [Seismic Survey](#)

One of the key methods of [Subsurface Exploration](#) that uses the [body wave](#) propagations in [Earth's](#) interior to estimate subsurface [Earth's](#) structure.

It's based on exciting the [body waves](#) at [Earth's](#) surface (also called [seismic waves](#)) and then. capturing the numerous reflections of [body waves](#) at a different point on surface (see **Fig. 1**).

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Fig.1. [Seismic Waves](#) reflection schematic

Types of [seismic surveys](#):

2D seismic	3D seismic	4D seismic	VSP
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See also

[Natural Science](#) / [Geoscience](#) / [Subsurface Exploration](#)

[[Earth's Structure](#)][[Geology](#)] [[Seismic Waves](#)]

[[2D seismic](#)][[3D seismic](#)][[4D seismic](#)][[VSP](#)]