

PRINT ONLY: IMPACTS

Abels A.

Impacts in Two-layered Targets on Earth: Effects of Cover Thickness on Crater Morphostructure [#1090]

Morphostructural effects of impacts in two-layered targets (low-strength on high-strength rocks) are discussed, based on terrestrial craters. A succession of 9 crater types is proposed. Essential for the final appearance is the cover thickness.

Hietala S. Moilanen J.

Keuruselkä — A New Impact Structure in Central Finland [#1619]

Previously unknown impact structure have been found in Finland. The 9.5 km wide Keuruselkä impact structure is 11th impact structure found in Finland so far. In situ shatter cones and PDFs in a breccia sample confirm the discovery.

Marusek J. A.

The Great Permian Extinction Debate [#1010]

The cataclysm that brought the Permian Period to an end was caused by a cluster of comet/asteroid impacts over a short geological timeframe, 5–8 million years.

Tsikalas F. Dypvik H. Faleide J. I. Smelror M.

Towards a Better Understanding of Marine Impact Processes: What a Potential Drilling of the Mjølner Crater (Barents Sea) Has to Offer [#1570]

A potential deep transect-drilling of the Mjølner Crater will contribute to a better understanding of (1) marine impact cratering mechanics, (2) impact-magnitude and impact-induced perturbations, and (3) quantification of post-impact modifications.

Wieland F. Gibson R. L. Reimold W. U.

Field Studies in the Central Uplift of the Vredefort Impact Structure [#1011]

This study presents results of a structural investigation of the inner parts of the central uplift of the Vredefort impact structure.