

Clues of a past catastrophe in Nördlinger Ries, Germany

Sentinel-2 MSI acquired on 27 January 2017 at 10:23:01 UTC

Sentinel-2 MSI acquired on 17 May 2017 at 10:20:31 UTC

Sentinel-1 CSAR IW acquired on 25 January 2018 at 17:07:37 UTC

Sentinel-1 CSAR IW acquired on 28 January 2018 at 05:33:42 UTC

Sentinel-2 MSI acquired on 20 August 2018 at 10:20:21 UTC

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Keyword(s): Impact crater, depression, geology, asteroid, erosion, rings, Germany

[2D Layerstack](#)



Fig. 1 - S2 (27.01.2017) - 8,4,3 colour composite - Nördlinger Ries is located in western Bavaria, near Baden-Württemberg.

[2D view](#) [3D view](#)

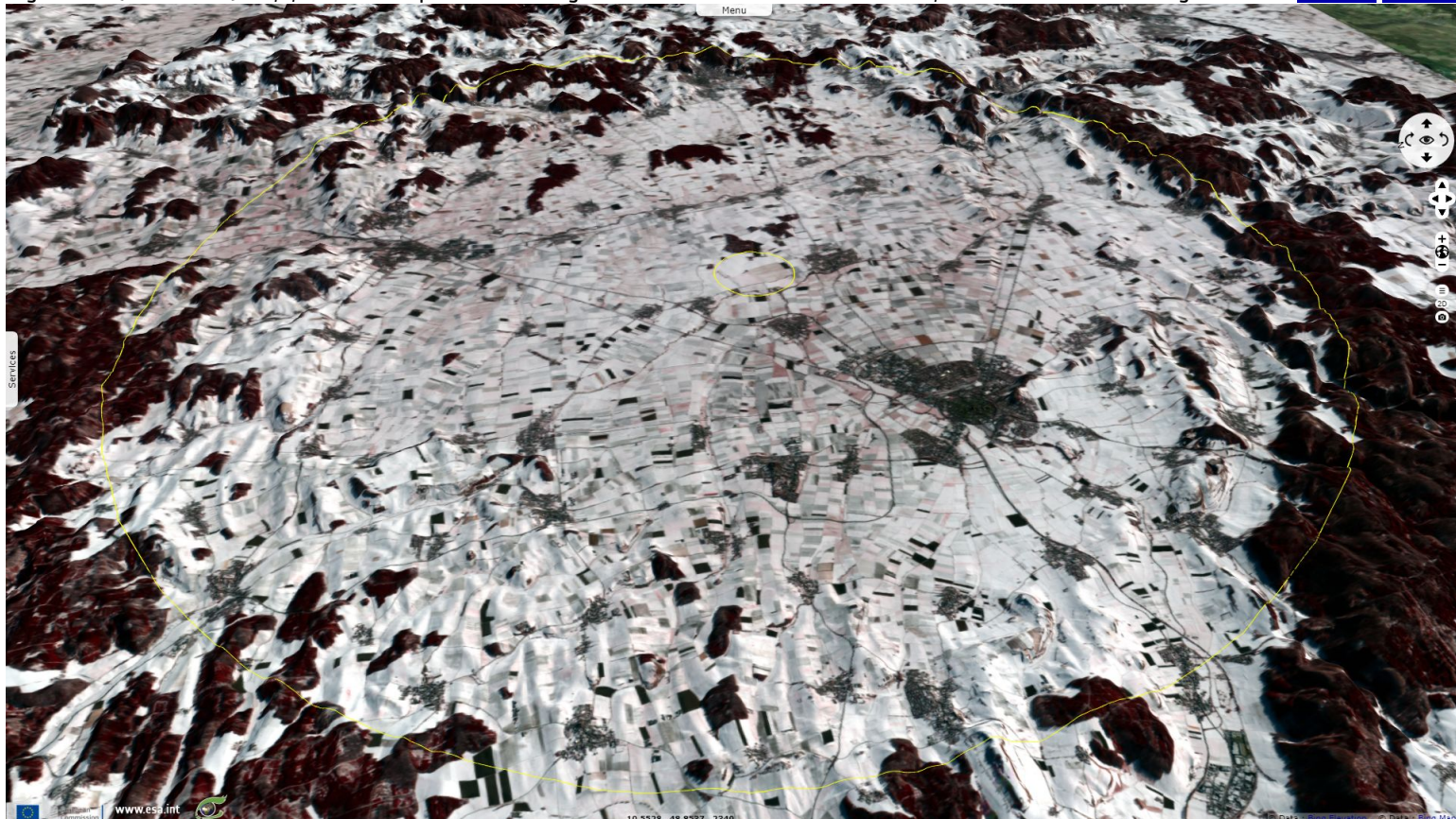


Fig. 2 - S2 (20.08.2018) - 4,3,2 natural colour - It is a depression north of Danube River, 100-150m below its eroded rim.

[3D view](#) [2D view](#)



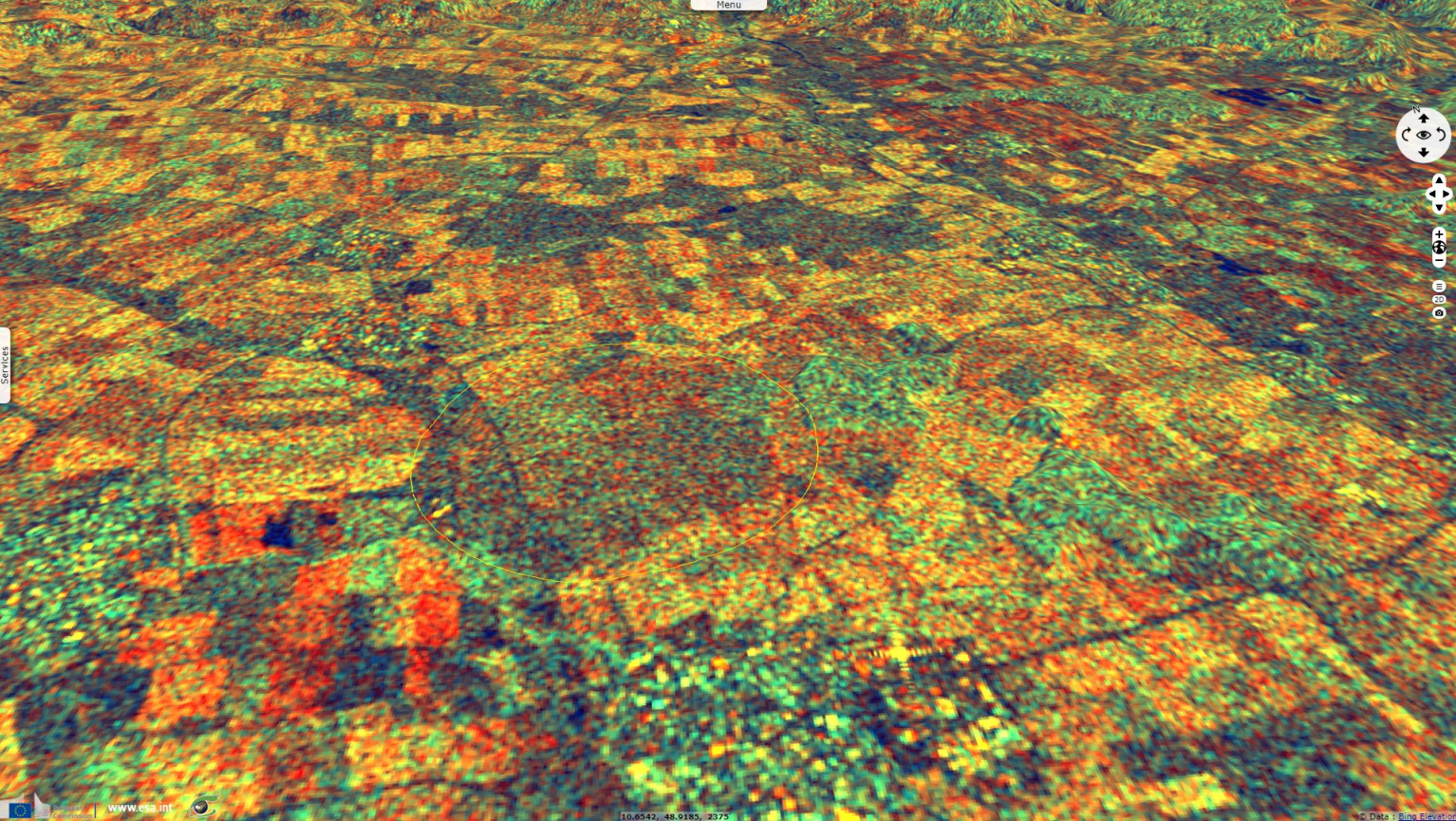
Fig. 3 - S1 (28.01.2018) - vv,vh,ndi(vh,vv) colour composite - It is born from the impact with a ~1.5km large meteorite 14.4 Ma ago. [3D view](#) [2D view](#)



Fig. 4 - S2 (17.05.2018) - 4,3,2 natural colour - It original 24km diameter ring is a unique example of rampart crater on Earth. [3D view](#) [2D view](#)



Fig. 5 - S1 (25.01.2018) - vv,vh,ndi(vh,vv) colour composite - The impact would have changed 70000T of graphite in tiny diamonds. [3D view](#) [2D view](#)



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