

Martian training in the Dolomite range

Sentinel-1 CSAR IW acquired on 05 July 2018 at 05:18:03 UTC

Sentinel-2 MSI acquired on 27 August 2018 at 10:10:21 UTC

Sentinel-1 CSAR IW acquired on 29 August 2018 at 17:06:56 UTC

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[3D Layerstack](#)

Fig. 1 - S2 (27.08.2018) - 4,3,2 natural colour - North-East of Italian Alps.

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



Fig. 2 - 11,8,2 colour composite - Snow, treeless heights, alpine forest, crops, bare soil and urban land show differently on this view. [3D view](#) [2D view](#)

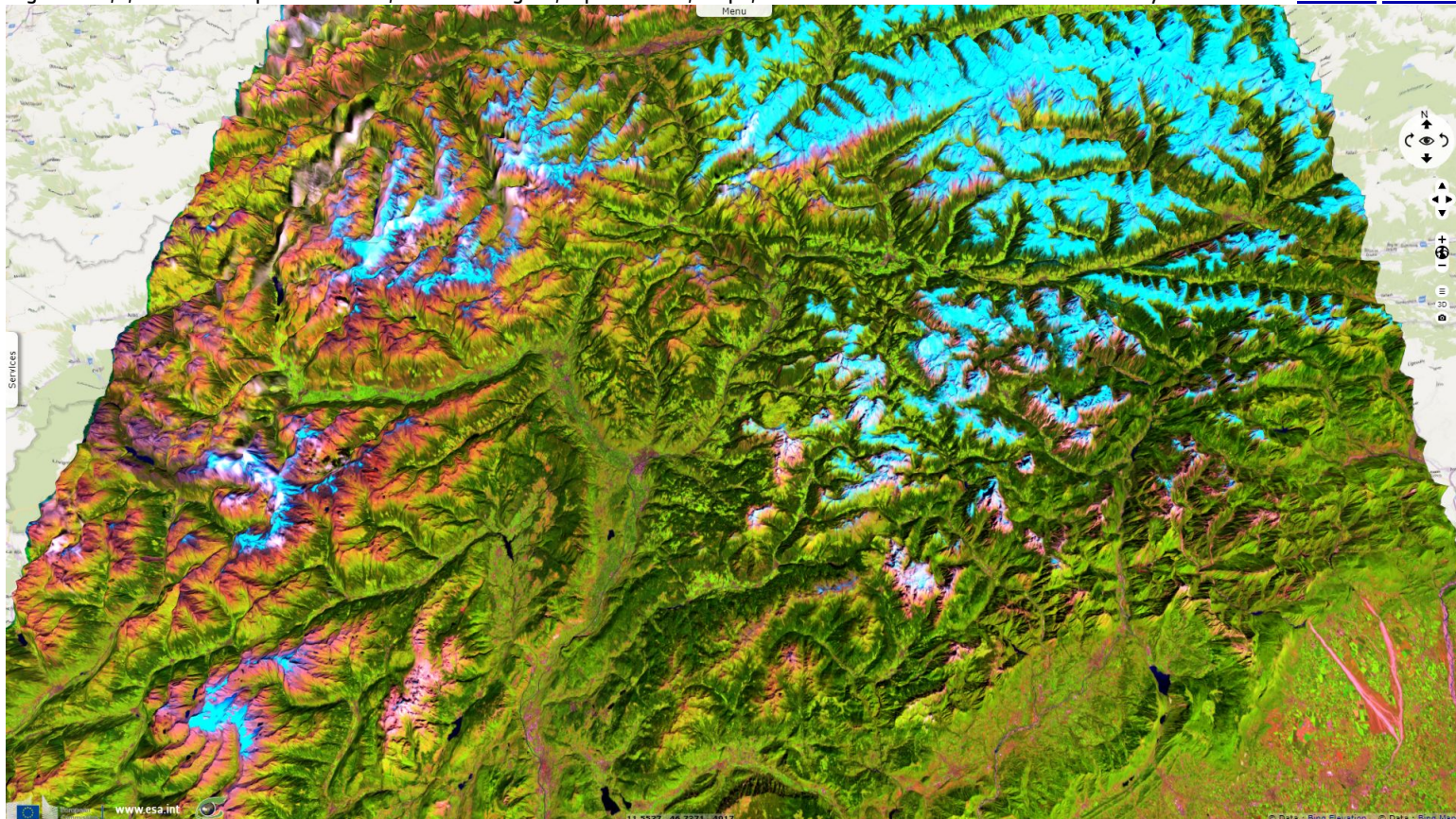
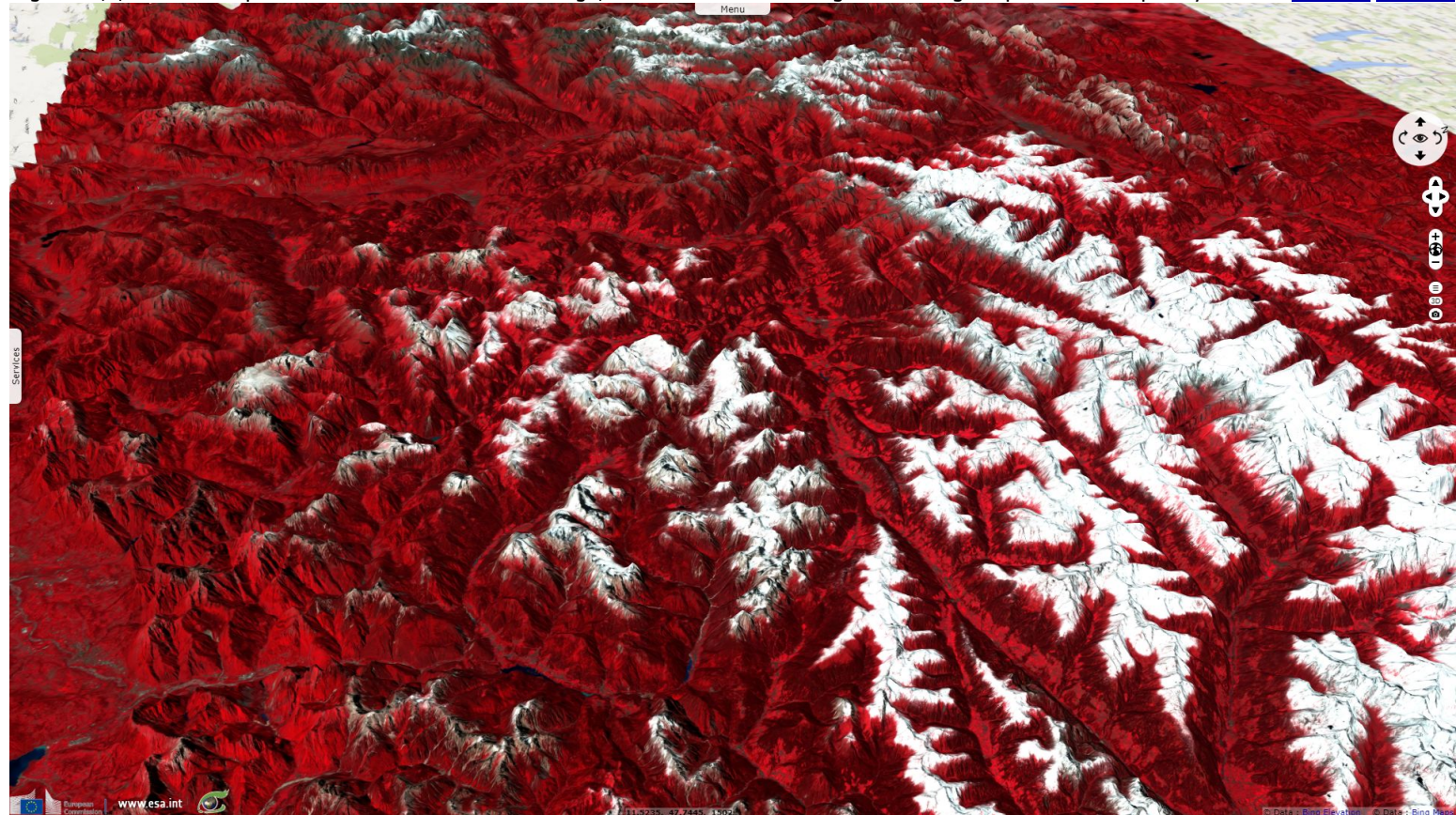


Fig. 3 - 8,4,3 colour composite - Zoom on the Dolomite range, a UNESCO World Heritage site & ring-shaped Sarntal Alps beyond.

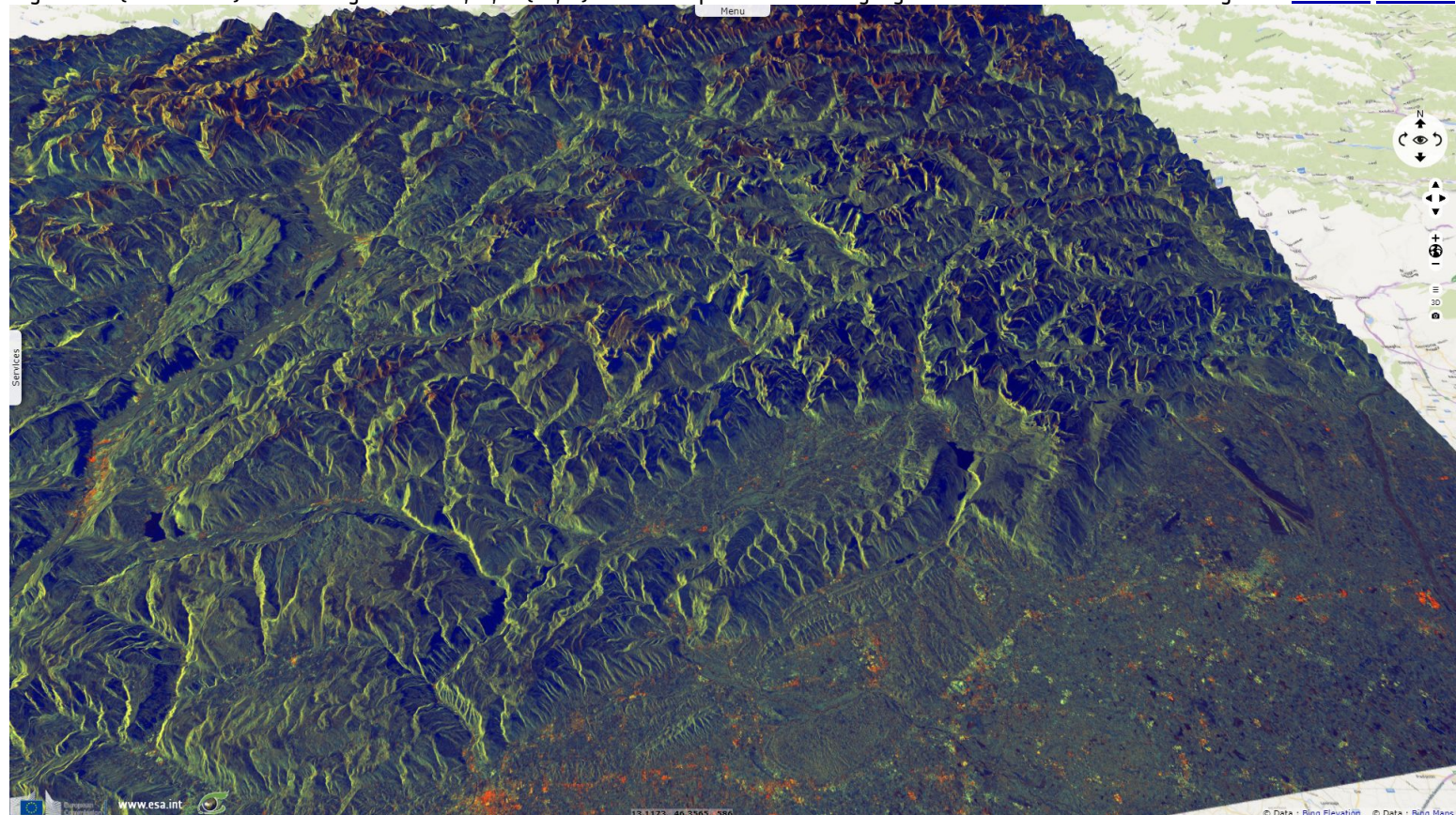
[3D view](#) [2D view](#)



According to UNESCO "The site of the Dolomites comprises a mountain range in the northern Italian Alps, numbering 18 peaks which rise to above 3,000 metres and cover 141,903 ha. It features some of the most beautiful mountain landscapes anywhere, with vertical walls, sheer cliffs and a high density of narrow, deep and long valleys. A serial property of nine areas that present a diversity of spectacular landscapes of international significance for geomorphology marked by steeples, pinnacles and rock walls, the site also contains glacial landforms and karst systems."

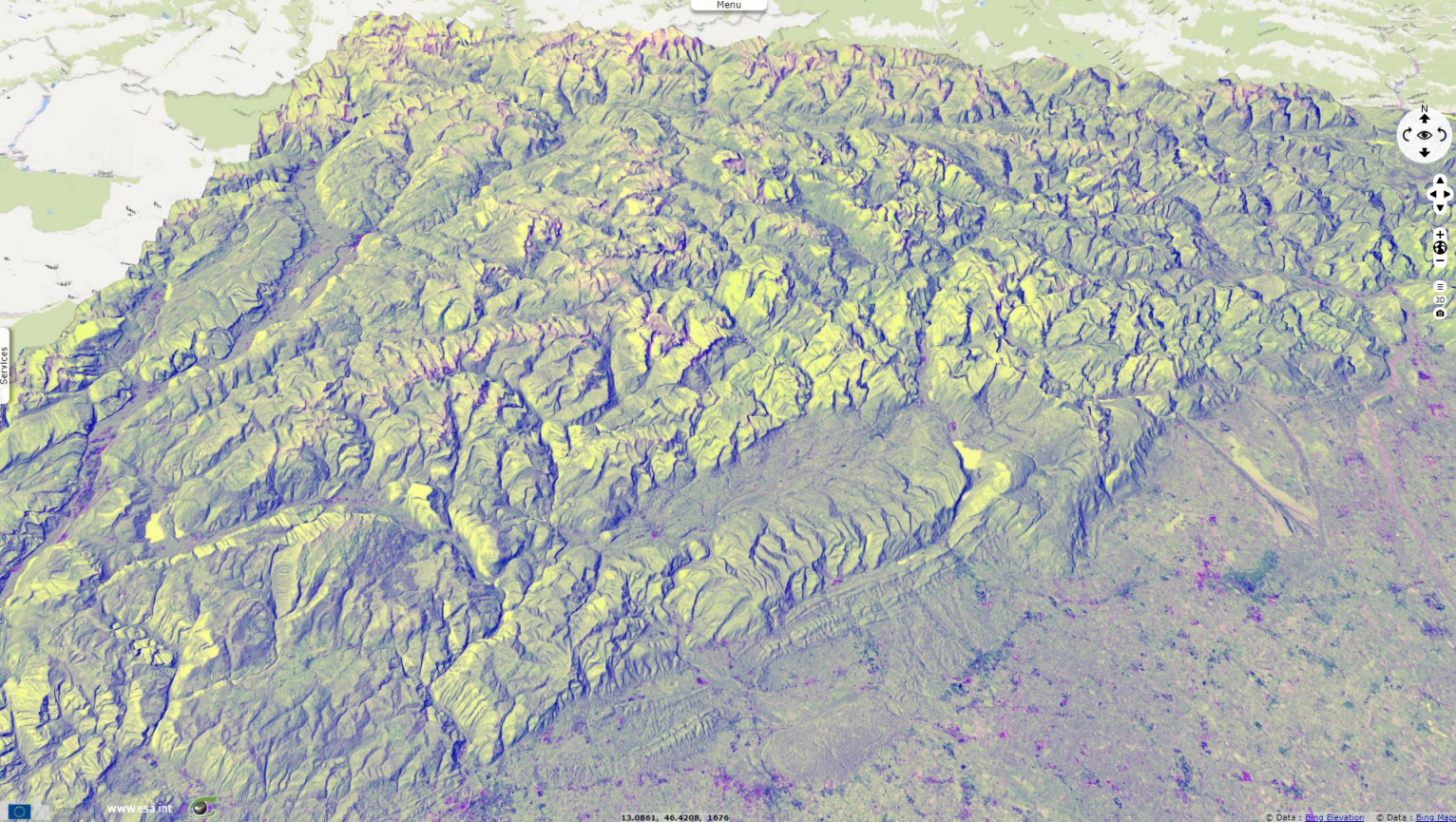
Fig. 4 - S1 (29.08.2018) - Ascending view in vv,vh,ndi(vh,vv) colour composite - Radar highlights the relief of the Dolomite range.

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



ESA's Pangaea mission uses Bletterbach canyon, lying within Dolomites, as training field.

Fig. 5 - S1 (05.07.2018) - neg(vh),neg(vv),ndi(vv,vh) colour composite - This deep gorge prepares ESA teams for martian geology. [3D view](#) [2D view](#)



Pangaea project also prepares exploration of Mars by sending ESA teams in other terrains covered in previous stories such as [Nördlinger Ries crater](#) in Germany and [Lanzarote Island](#) desert landscape in Canaries Archipelago, Spain.

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