

Lunghin Pass, the apex of the European river system

Sentinel-1 CSAR IW acquired on 03 September 2018 at 17:15:17 UTC

Sentinel-2 MSI acquired on 19 October 2018 at 10:20:31 UTC

Sentinel-1 CSAR IW acquired on 06 February 2019 at 17:15:14 UTC

Sentinel-2 MSI acquired on 21 February 2019 at 10:20:39 UTC

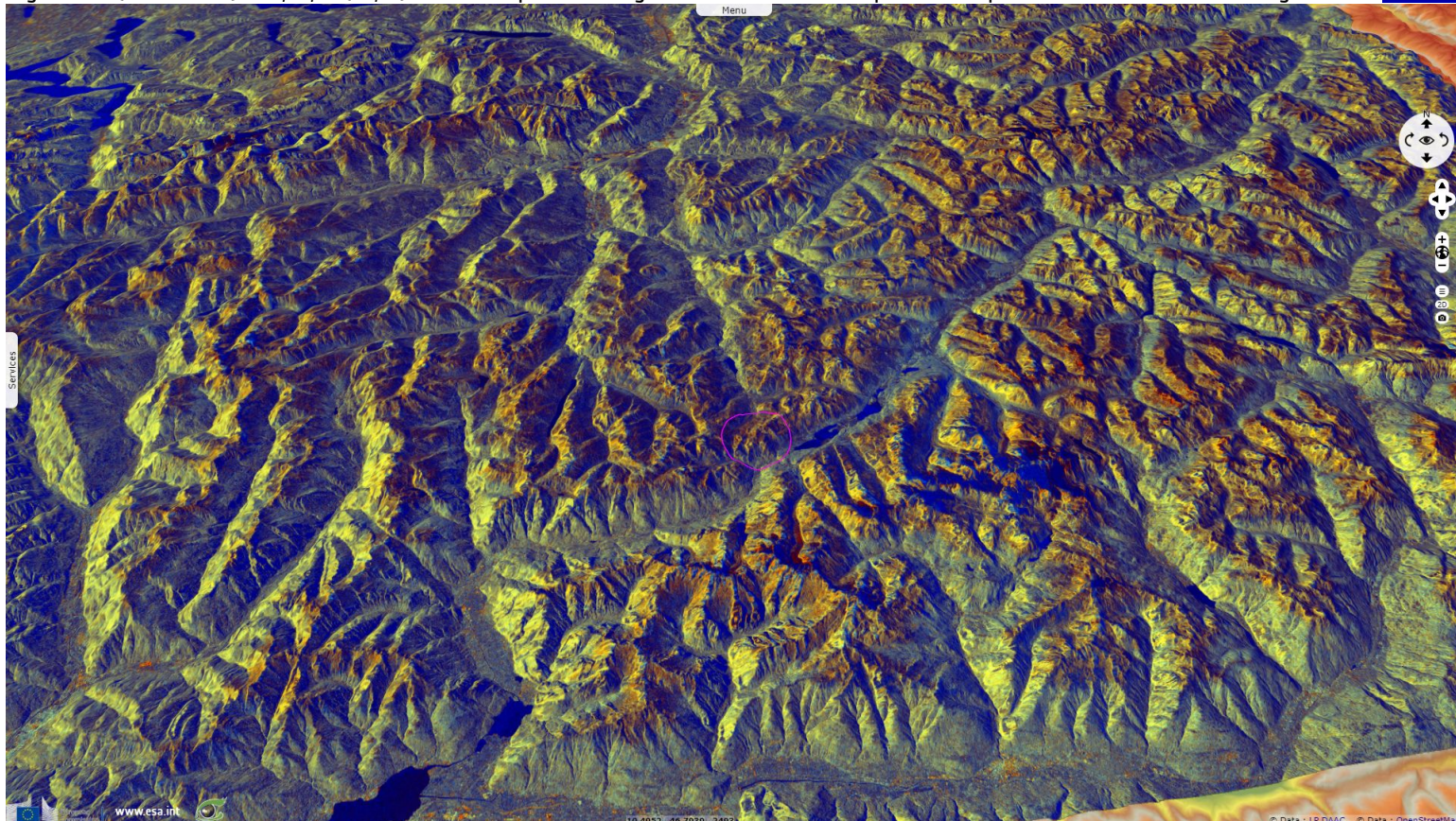
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Keyword(s): Land, hydrology, river, cryosphere, mountain range, glacier, lake, snow, ice, Switzerland, Italy, Austria, Alps

[3D Layerstack](#)

Fig. 1 - S1 (03.09.2018) - vv,vh,ndi(vh,vv) colour composite - Lunghin Pass is a mountain pass & a triple watershed next to Piz Lunghin.

[3D view](#)



From there, water enters the North Sea (Atlantic Ocean) via the Rhine, the Adriatic (Mediterranean Sea) via the Po or the Black Sea via the Danube.

Fig. 2 - S1 (06.02.2019) - vv,vh,ndi(vh,vv) colour composite - Its north-west side gives birth to a river which waters end in the Rhine.

[3D view](#)

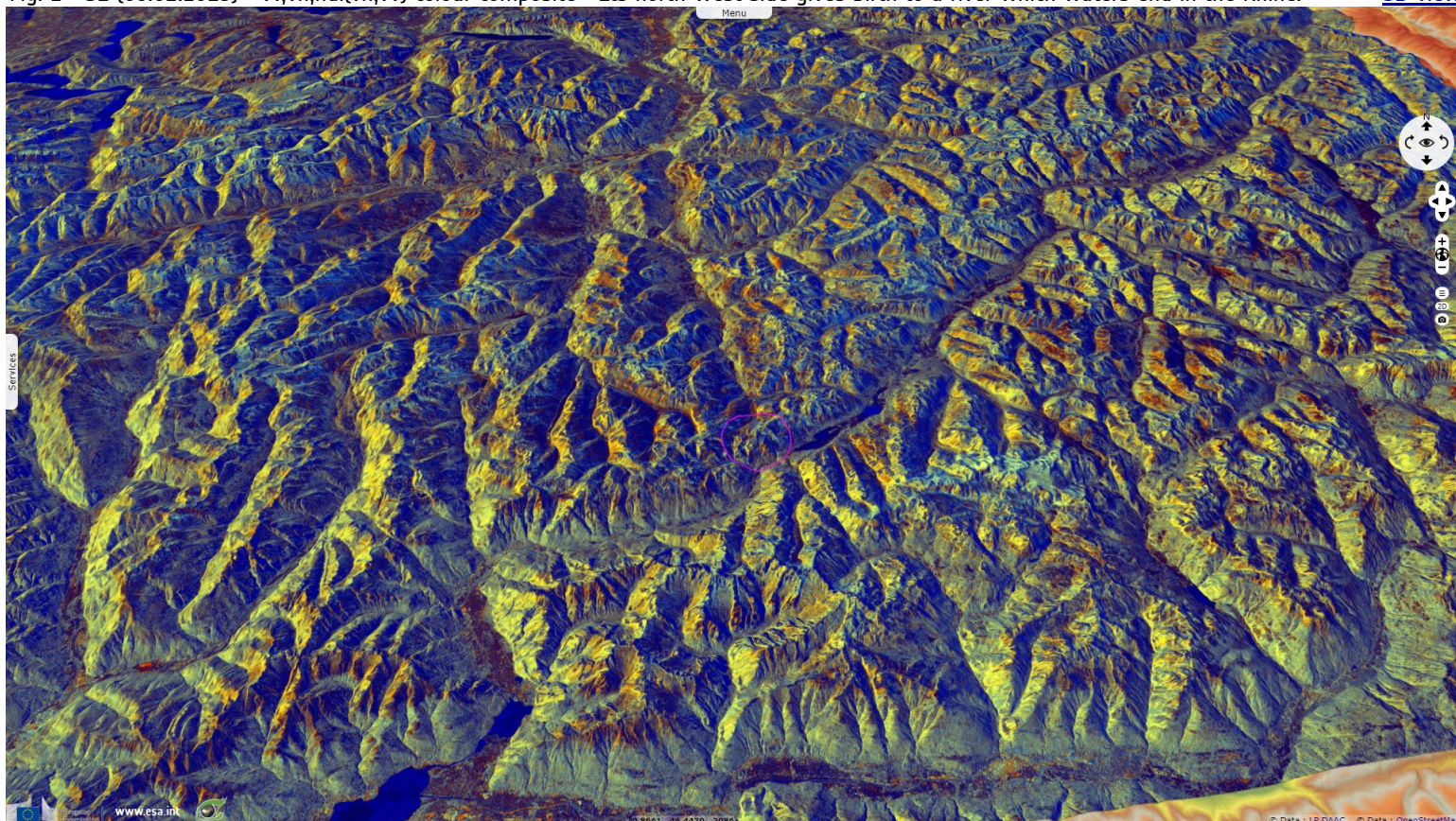


Fig. 3 - S2 (19.10.2018) - 4,3,2 natural colour - From the south-west side the water flows towards the Mera, a tributary of the Po.

[3D view](#)

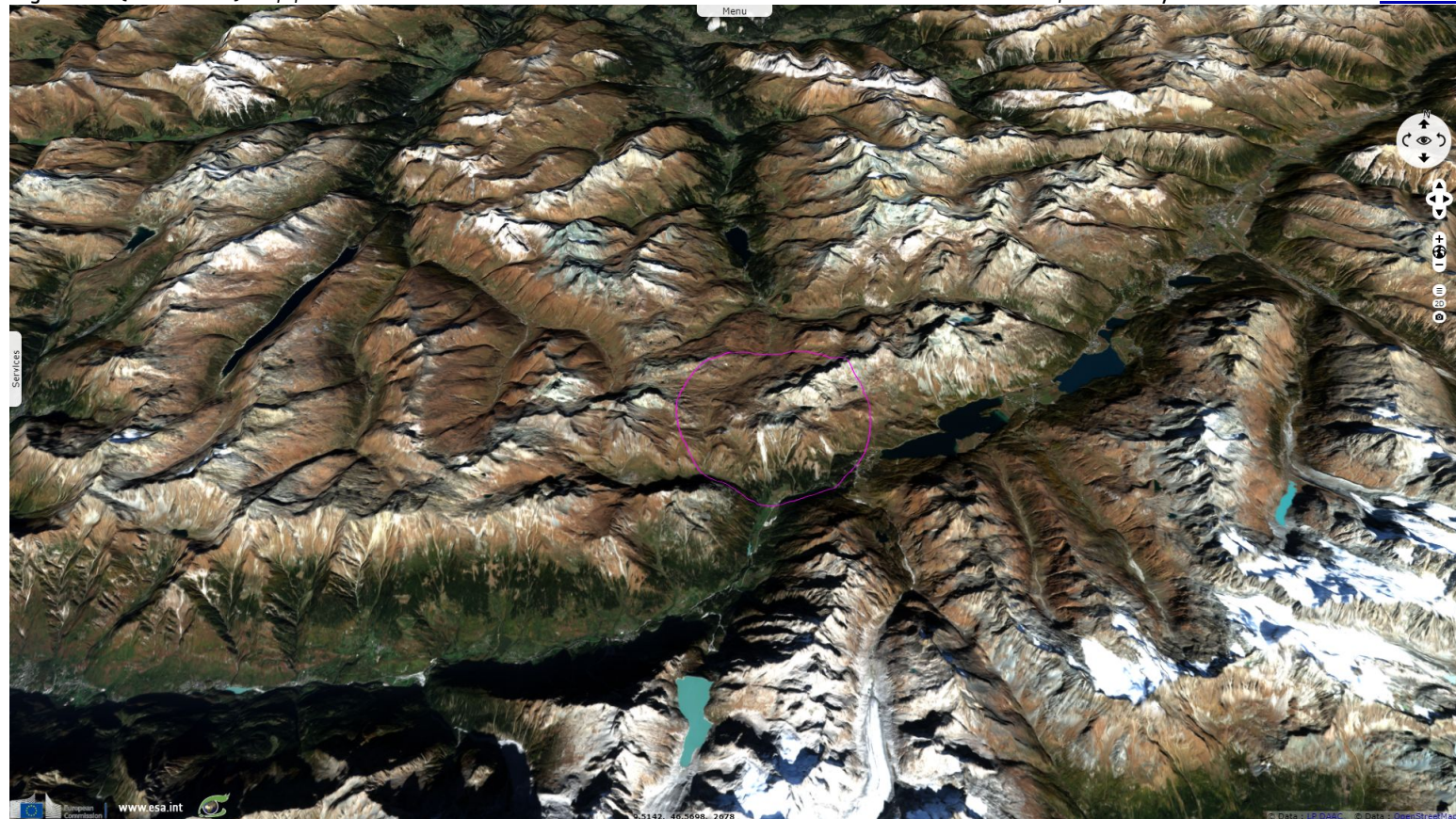
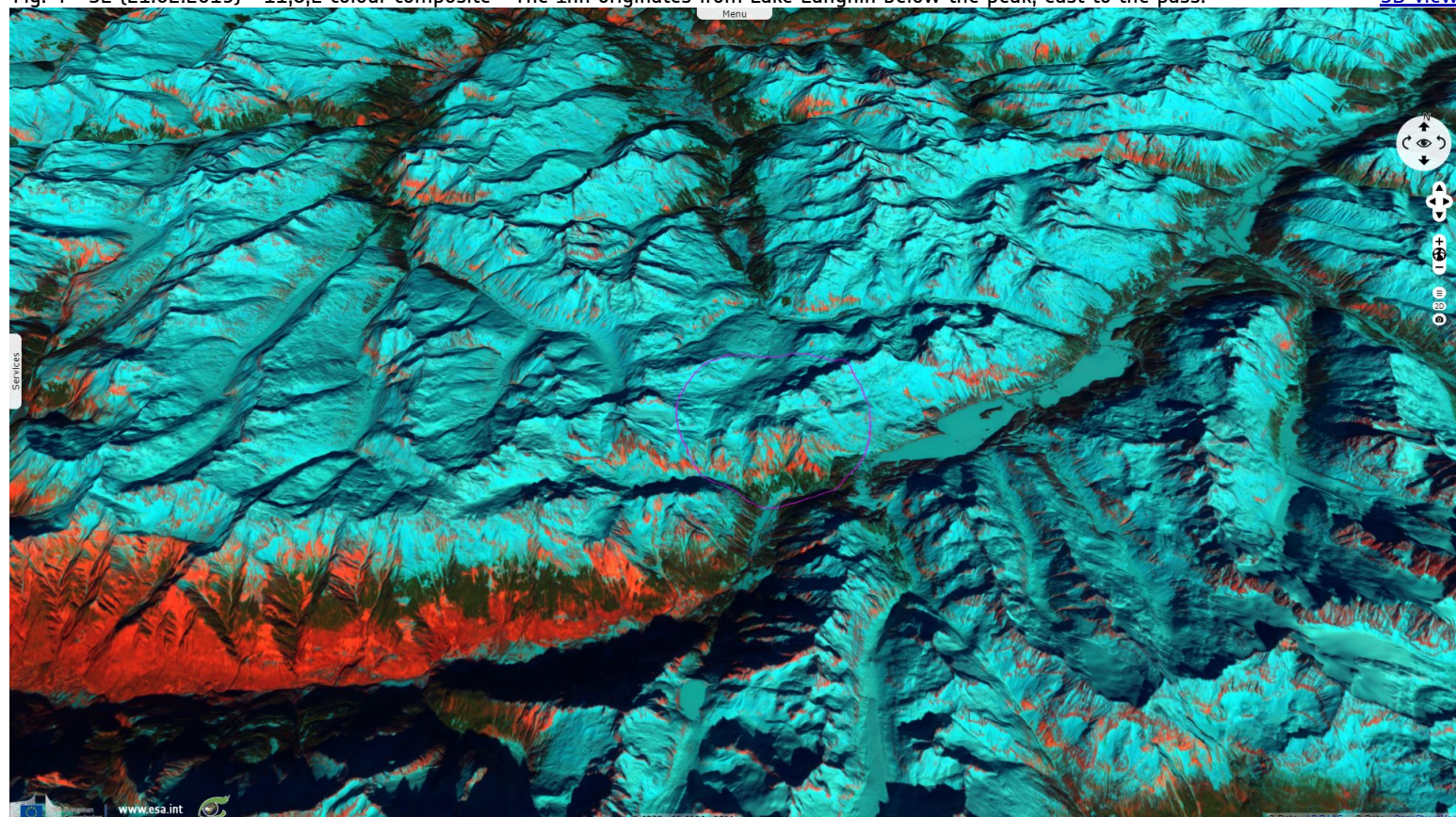


Fig. 4 - S2 (21.02.2019) - 11,8,2 colour composite - The Inn originates from Lake Lunghin below the peak, east to the pass.

[3D view](#)



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