

# La Rinconada, Peru, a 5000m high city born from the gold rush

Sentinel-1 CSAR IW acquired on 20 February, 04 March 2019 & 16 March 2019 at 10:14:38 UTC  
Sentinel-1 CSAR IW acquired on 20 June 2019, 02 July & 14 July 2019 at 10:14:42 UTC  
Sentinel-2 MSI acquired on 06 July 2019 at 14:47:39 UTC

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Keyword(s): Land, mine, natural resources, mountain range, pollution, infrastructure.

[3D Layerstack](#)

Fig. 1 - S2 (06.07.2019) - 11,8,2 colour composite - La Rinconada is a city in the Peruvian Andes lying between 4800 & 5200 m high [2D view](#) [3D view](#)

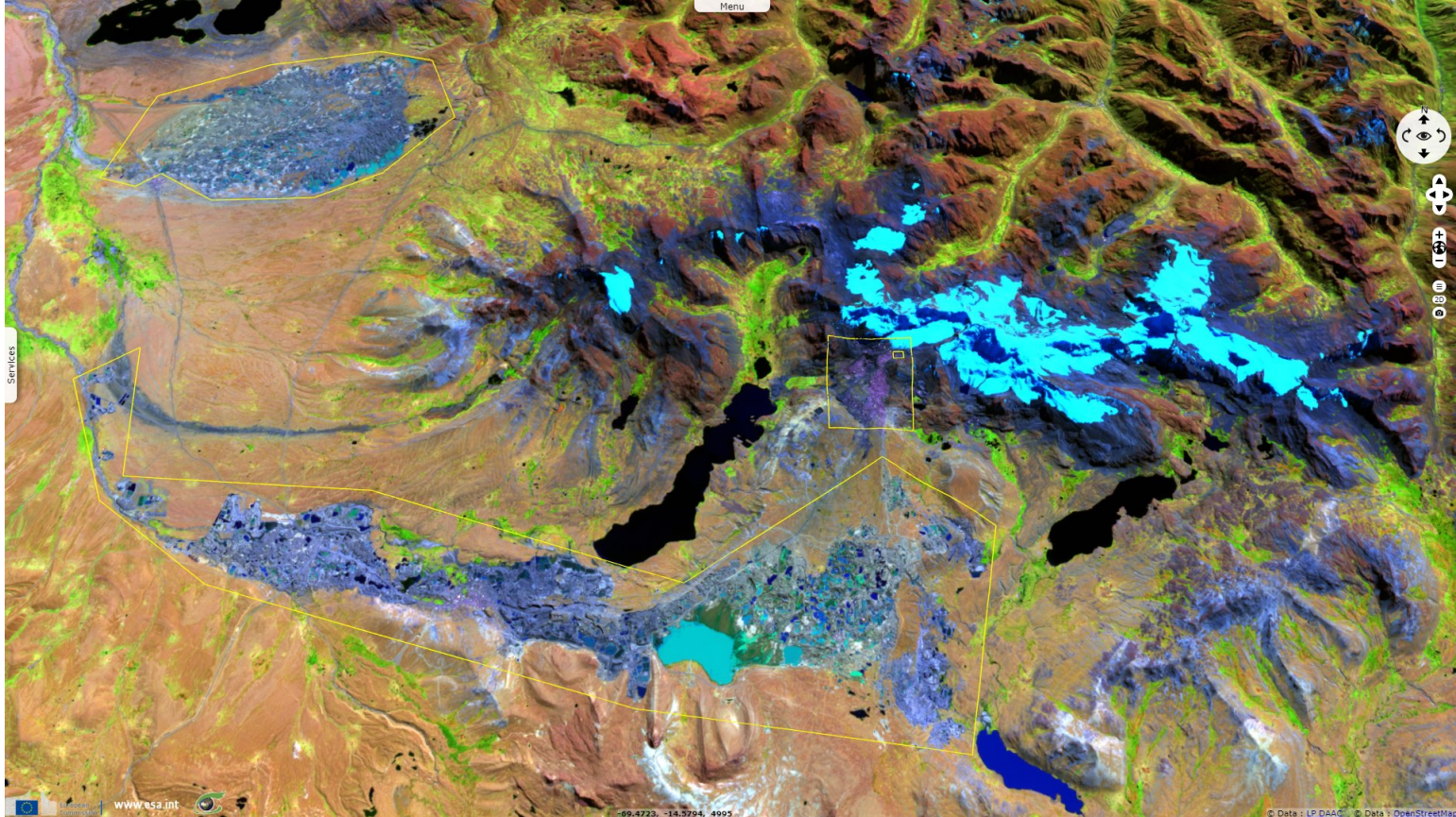


Fig. 2 - S1 (mean 20.02 to 16.03.2019) - vv,vh,vv colour composite - It is located beneath the 5847m high Nevado Ananea Chico. [3D view](#)

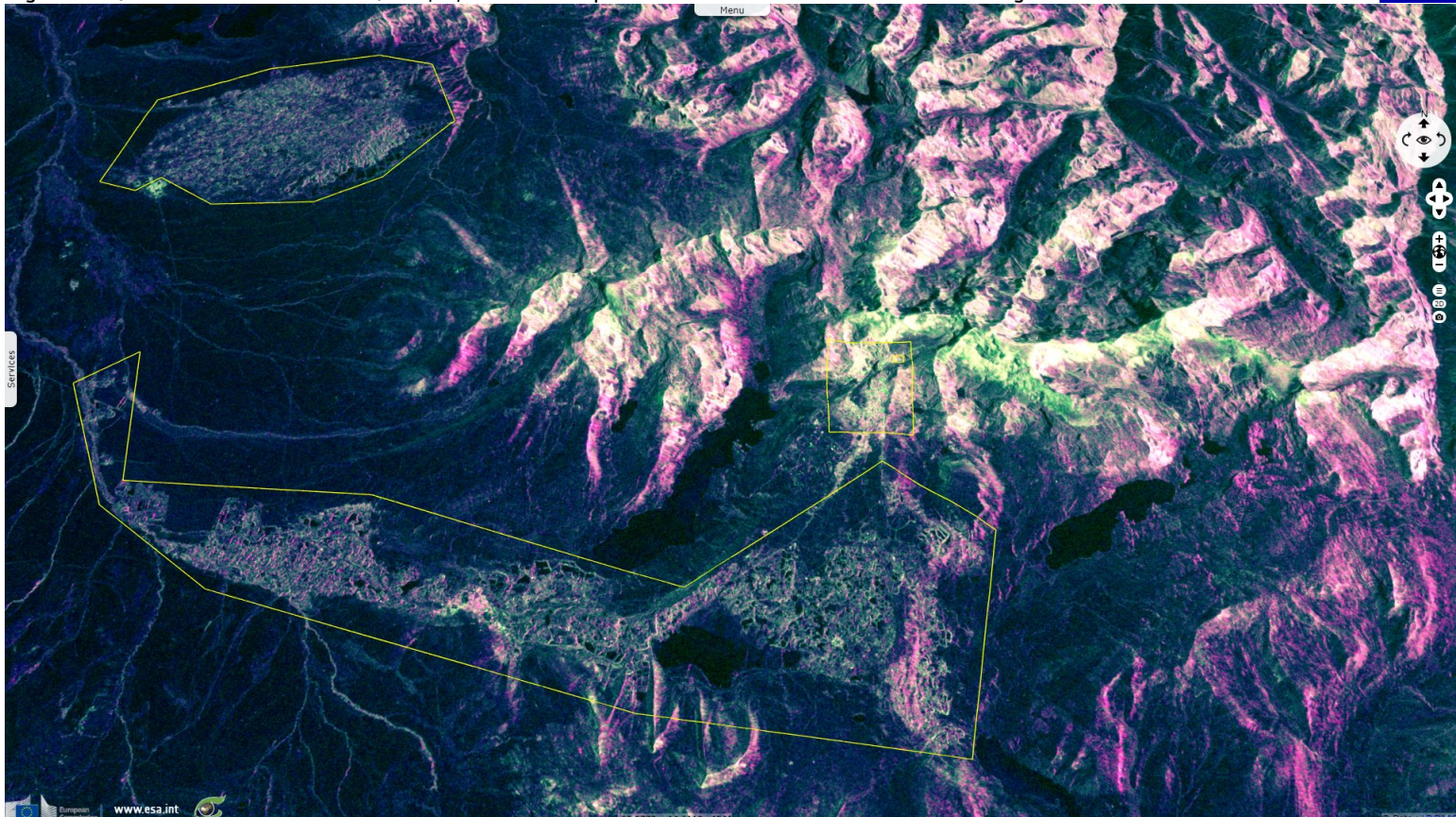




Fig. 3 - 8,4,3 colour composite - The rise of gold price transformed a small gold prospector camp in a 50 000 people city within 20 years.

[3D view](#)

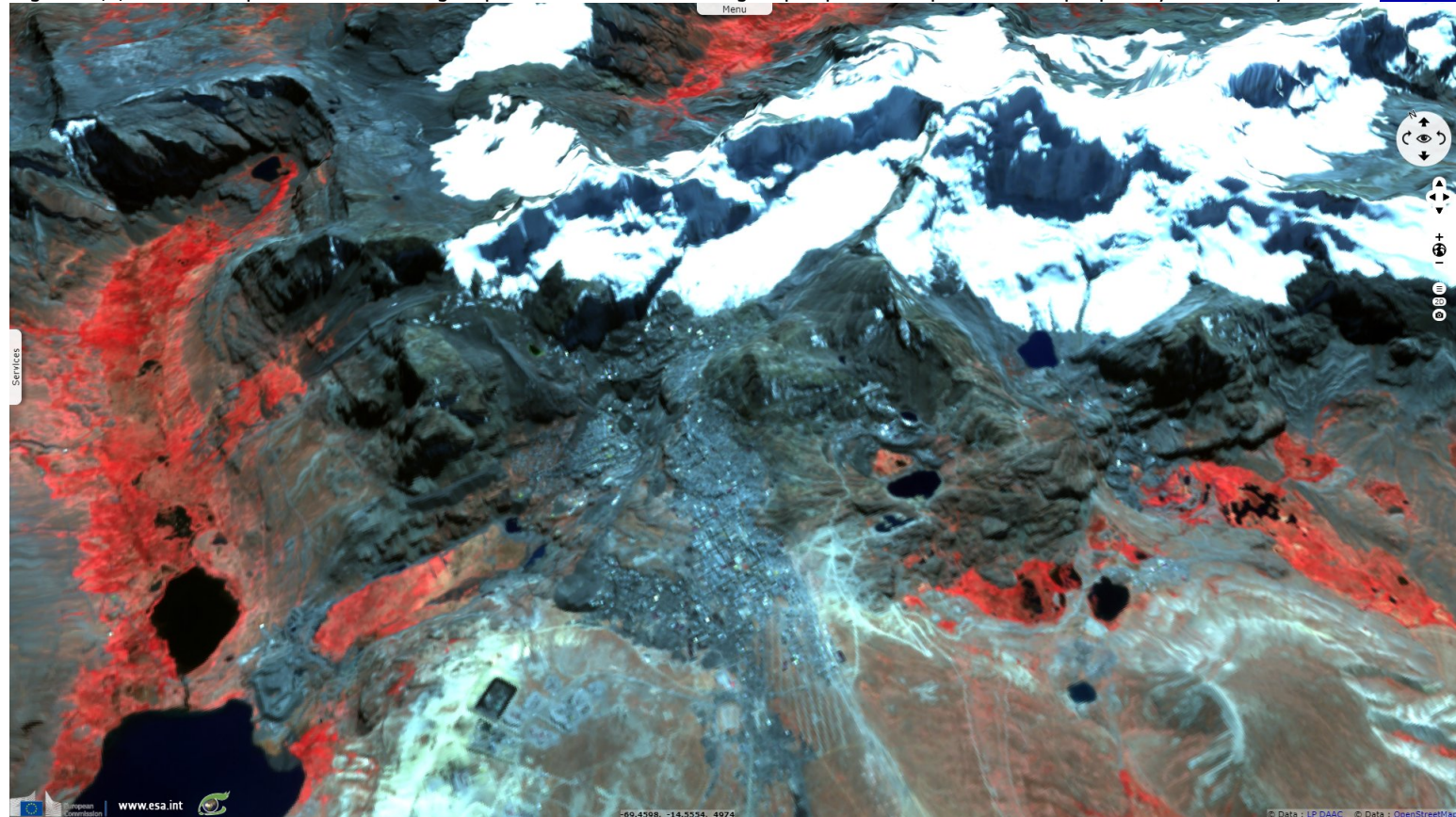


Fig. 4 - 8,4,3 colour composite - In this mercury-poisoned city free of even basic infrastructure, there are hundreds of small illegal mines.

[3D view](#)

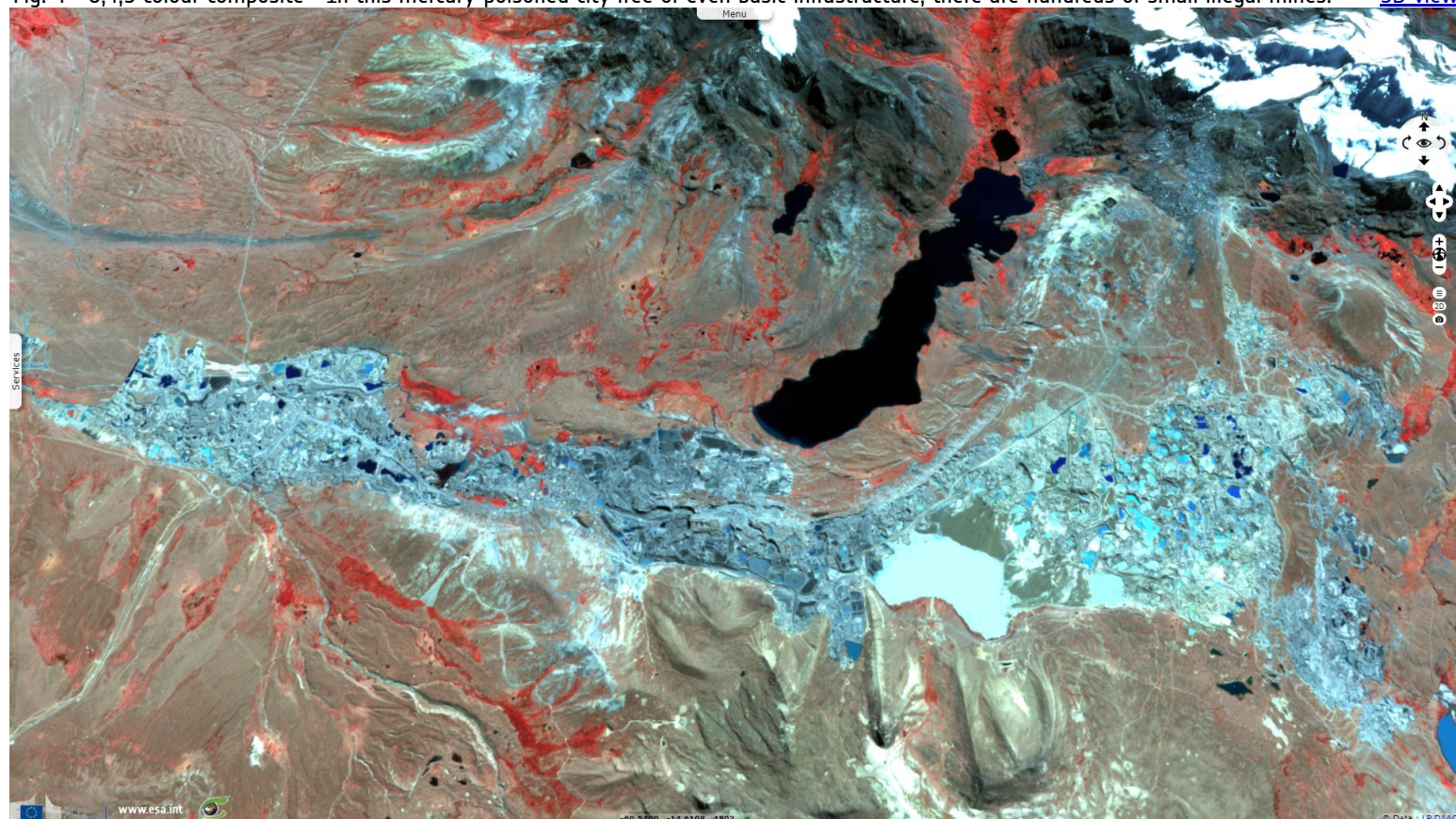
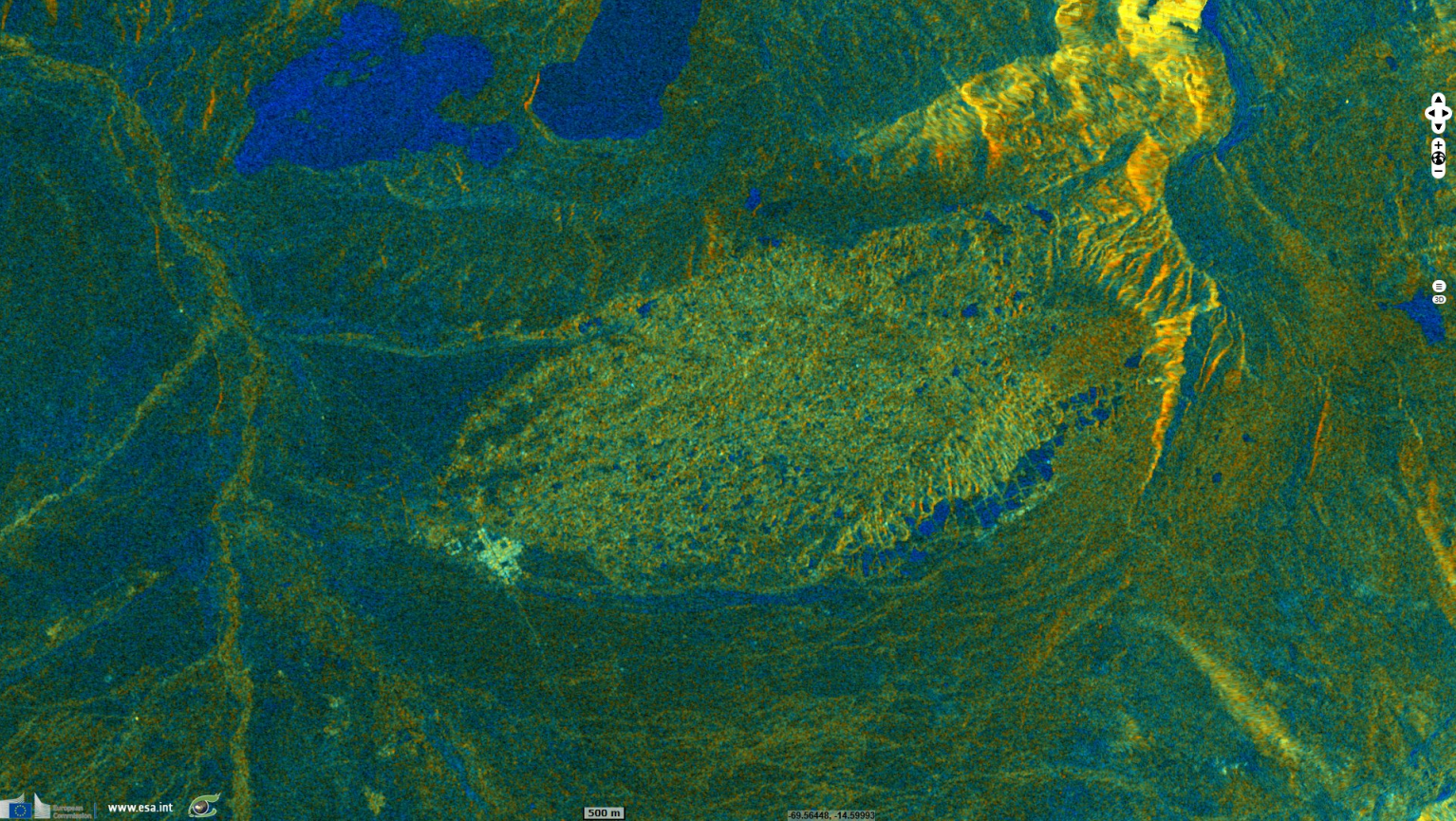
















Fig. 5 - mean 20.02 to 16.03.2019 - vv,vh,ndi(vh,vv) - The physiology of miners (s.a. blood) adapts considerably to these extreme conditions. [2D view](#)



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