Sentinel Vision
SED-337
29 October 2018

2D Layerstack

Heavy snowfall in the Alps

Sentinel-1 CSAR IW acquired on **22 October 2018** from 17:06:14 to 17:06:39 UTC
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Sentinel-1 CSAR IW acquired on **27 October 2018** from 17:14:23 to 17:14:48 UTC
Sentinel-1 CSAR IW acquired on **28 October 2018** from 17:06:57 to 17:07:22 UTC
Sentinel-1 CSAR IW acquired on **02 November 2018** from 17:14:52 to 17:15:17 UTC

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Keyword(s): Snow, ice, precipitations, topography, mountain range, seasons, climate, Italy, France, Austria, Switzerland, Alps

Fig. 1 - S1 (28.10.2018 - 02.11.2018) - vv,vh,ndi(vh,vv) colour composite - Alps after a heavy snowfall. 2D animation 3D animation

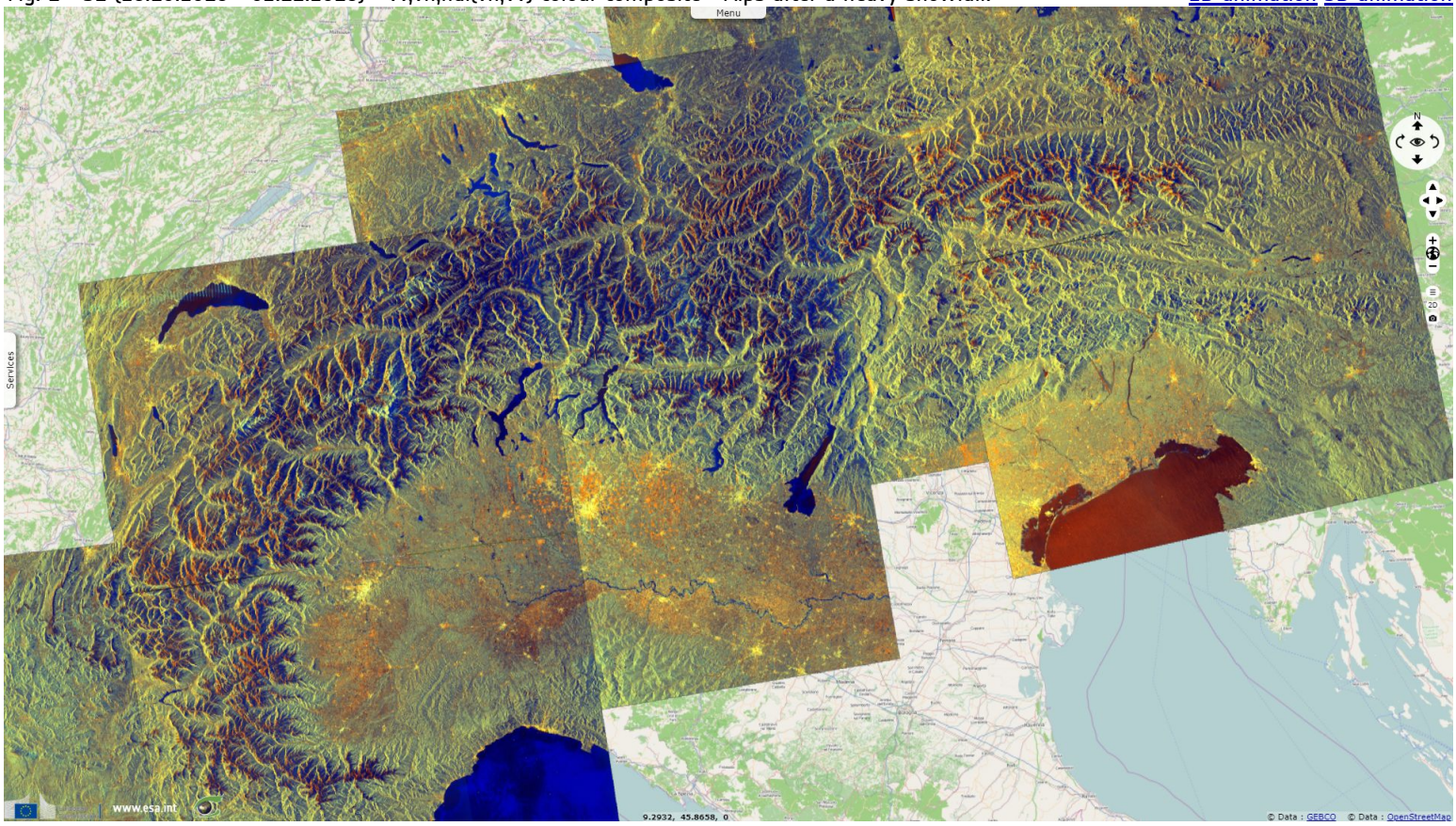


Fig. 2 - Zoom on the Western Alps: ice-capped summits and their glacier show in lime colour. 2D animation

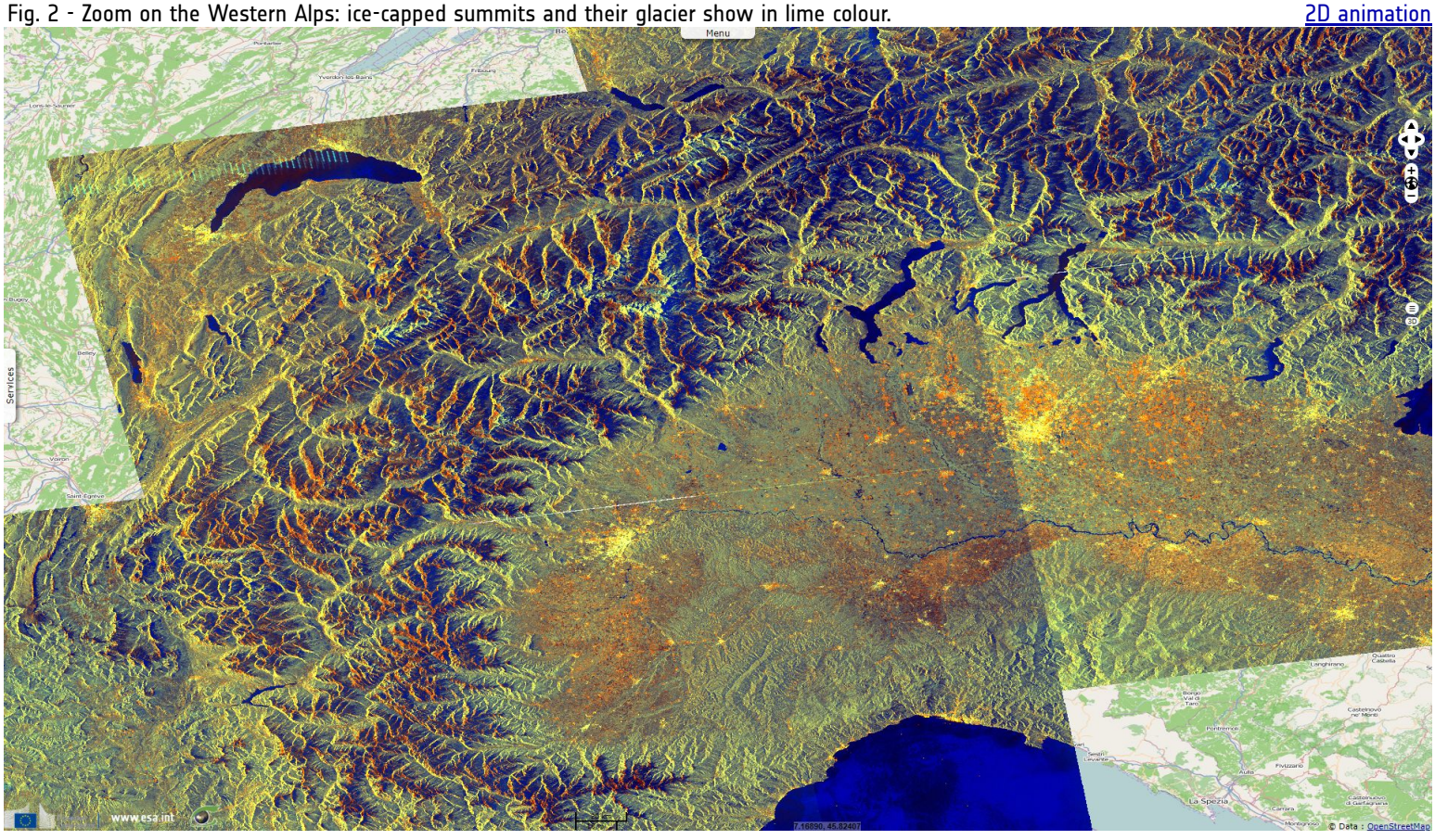


Fig. 3 - Zoom on the Eastern Alps: the vegetation cover decreases while radar-absorbent fresh snow caps the higher ground. 3D animation

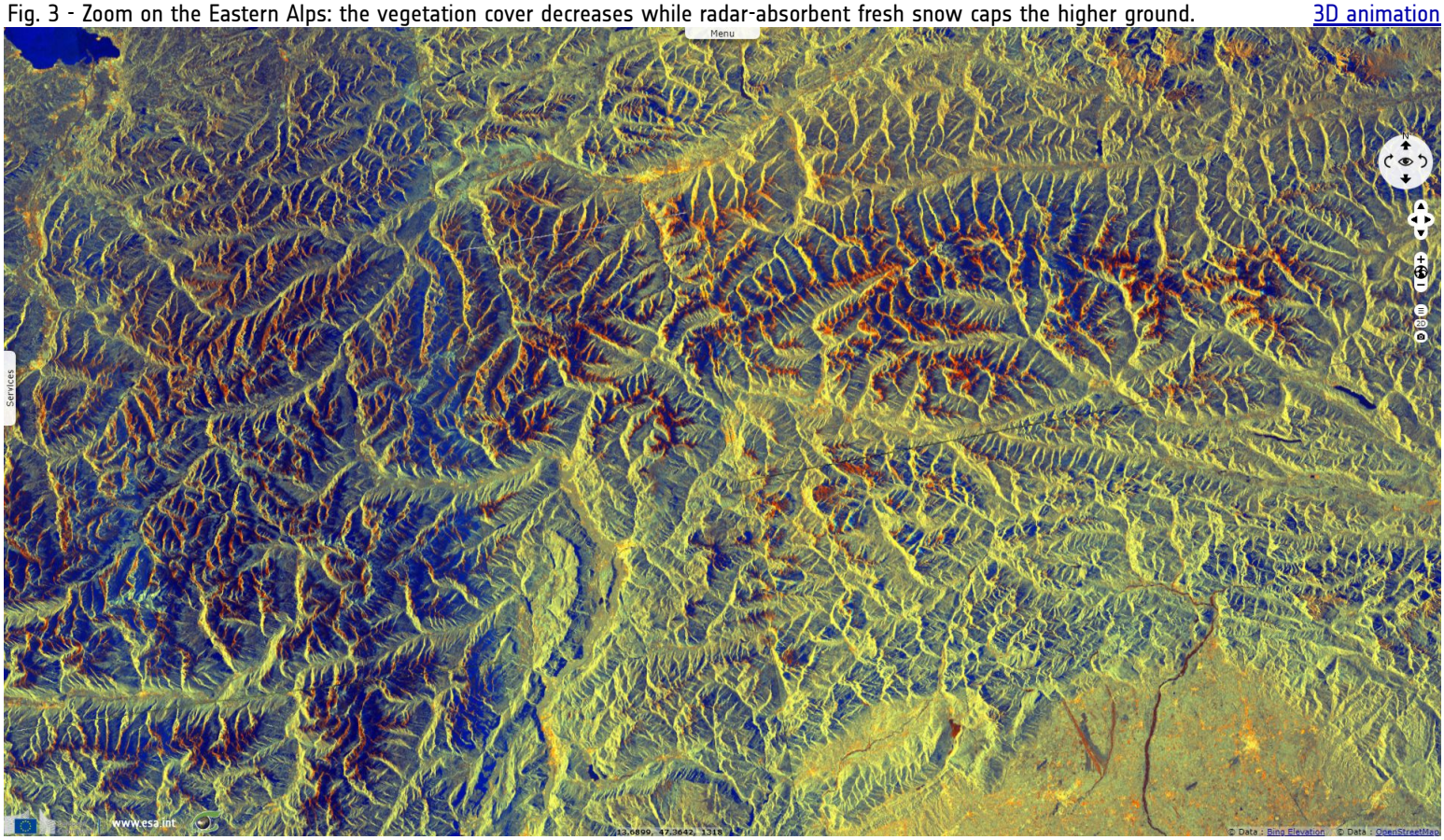
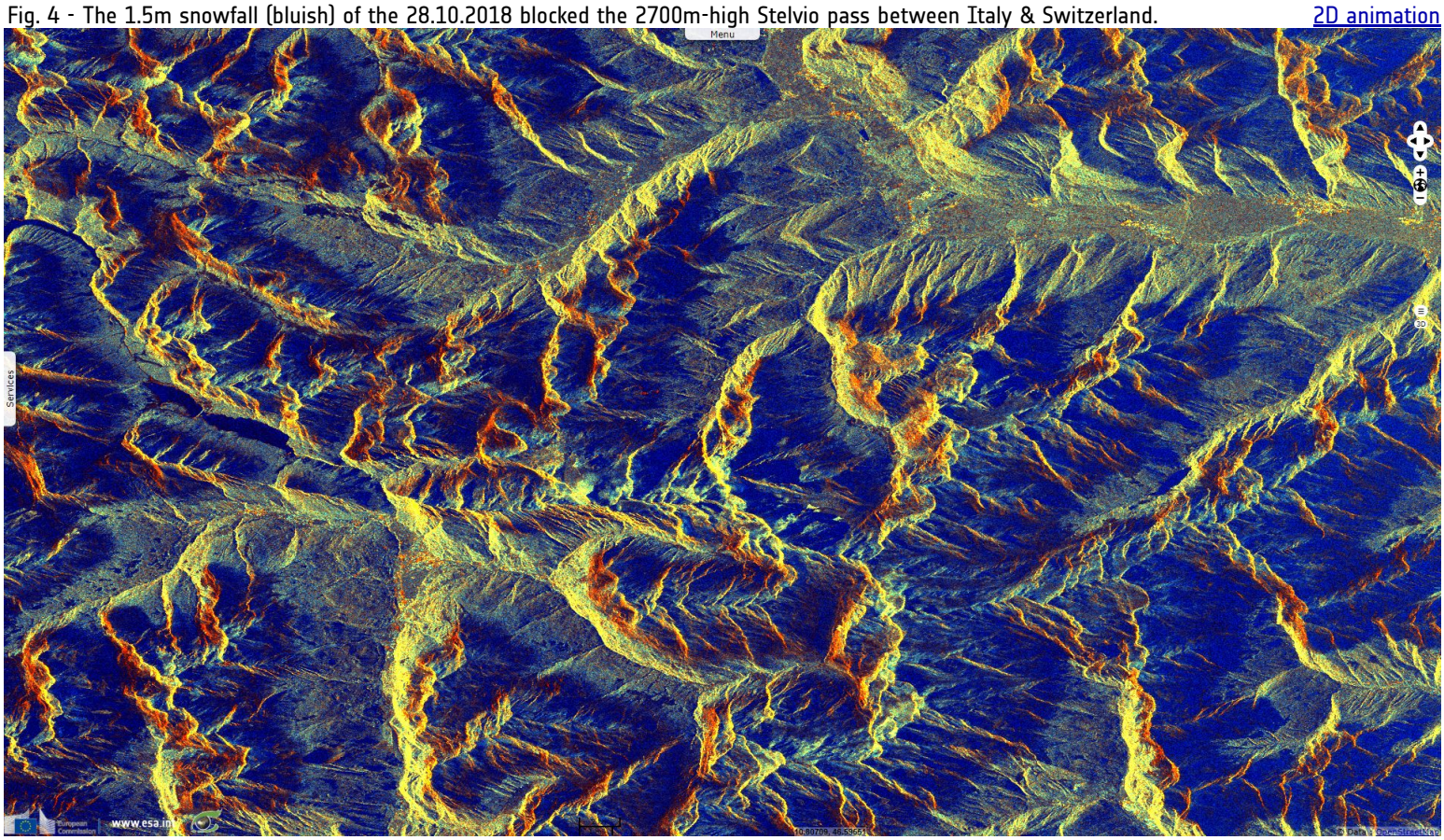


Fig. 4 - The 1.5m snowfall (bluish) of the 28.10.2018 blocked the 2700m-high Stelvio pass between Italy & Switzerland. 2D animation



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