Sentinel Vision
SED-941
20 September 2021

2D Layerstack

La Palma, first eruption in 50 years

Sentinel-1 CSAR IW acquired on **10 September 2021** and **22 September 2021**
Sentinel-2 MSI acquired on **20 September 2021** at 12:03:31 UTC
Sentinel-5P TROPOMI SO2 acquired on **20 September 2021**, **21 September 2021** and **22 September 2021**
Sentinel-3 SLSTR RBT acquired on **21 September 2021** at 11:09:36 UTC

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Fig. 1 - S3 SLSTR (21.09.2021) - S6,S5,S2 colour composite - An eruption started on the 19.09.2021 in La Palma, one of the Canary Islands. 2D view

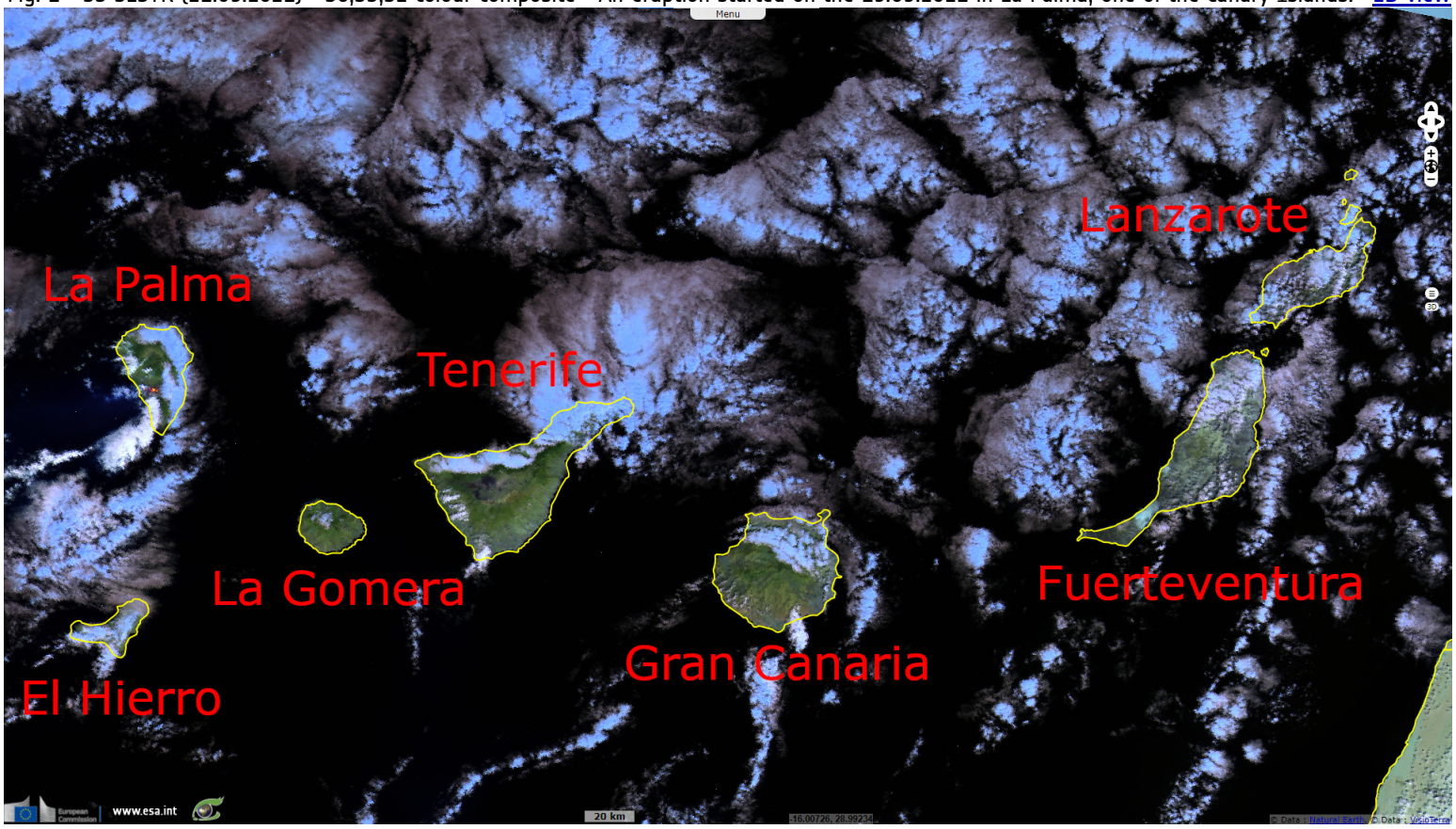


Fig. 2 - S2 (20.09.2021) - 12,11,4 colour composite - Despite the clouds, hot lava flows are visible in the short-wave infrared of Sentinel-2. 2D view

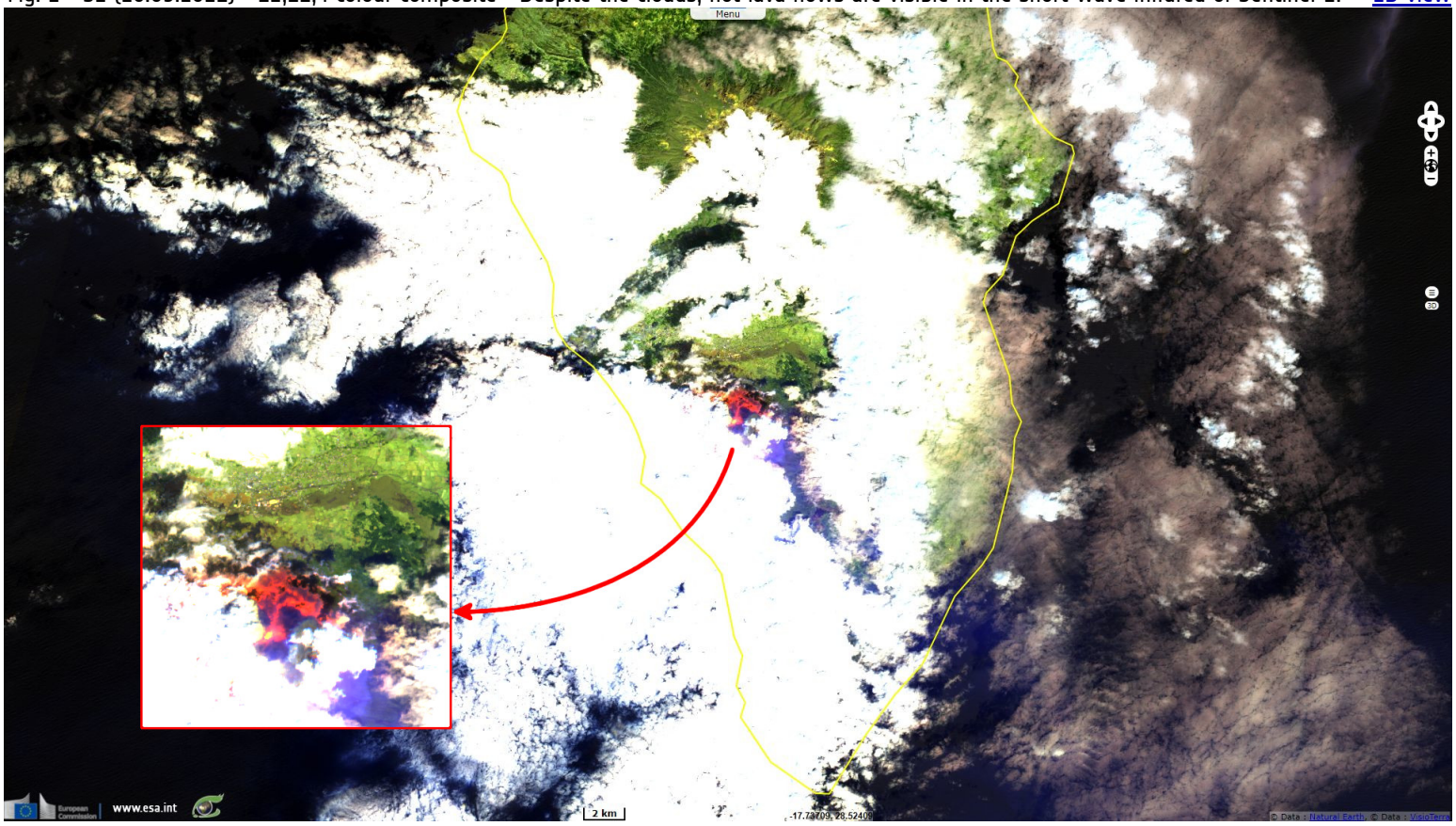


Fig. 3 - S1 (10.09.2021 vs. 22.09.2021) vv,vh g0 RTC - This is the first eruption on the island since 1971, here captured by Sentinel-1. 2D view

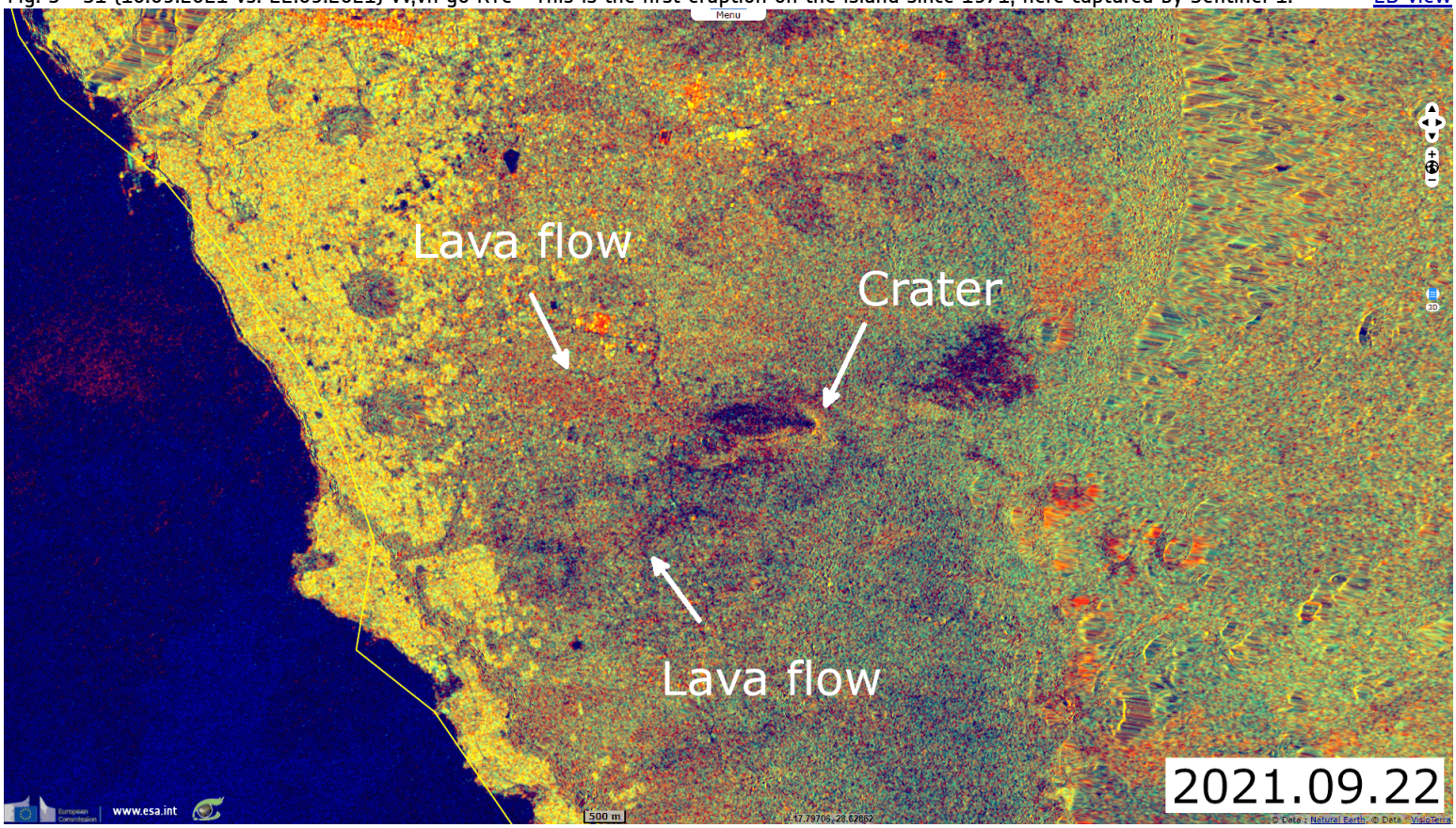
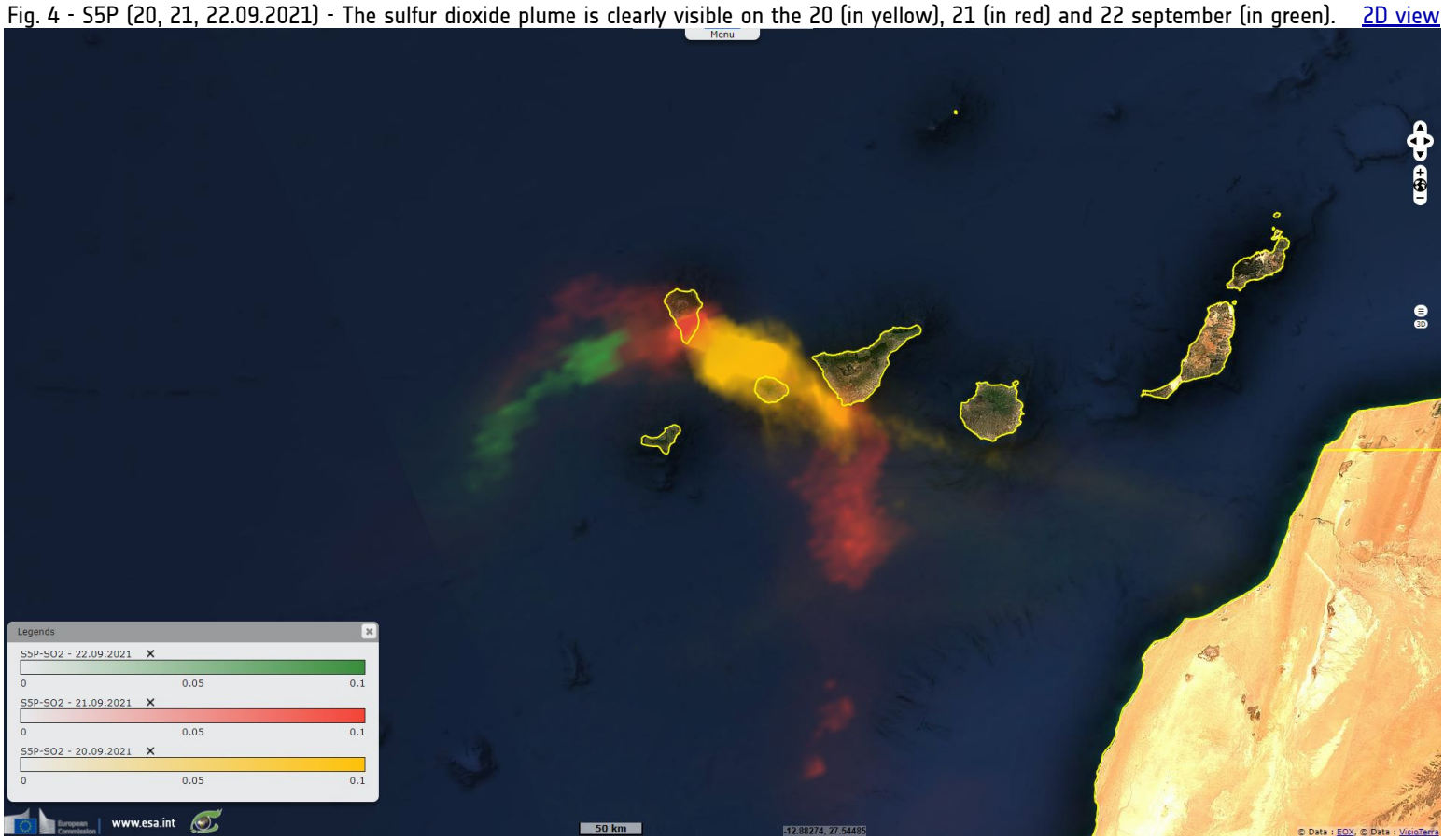


Fig. 4 - S5P (20, 21, 22.09.2021) - The sulfur dioxide plume is clearly visible on the 20 (in yellow), 21 (in red) and 22 september (in green). 2D view



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