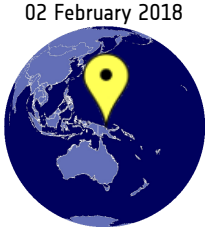
Sentinel Vision
SED-184
02 February 2018



2D Layerstack

Evolution of volcano Kadovar, Papoua New Guinea

Sentinel-2 MSI acquired on **26 December 2017** at 00:47:01 UTC
Sentinel-1 CSAR IW acquired on **02 January 2018** at 20:04:42 UTC
Sentinel-1 CSAR IW acquired on **14 January 2018** at 20:04:42 UTC
Sentinel-2 MSI acquired on **15 January 2018** at 00:47:01 UTC
Sentinel-1 CSAR IW acquired on **26 January 2018** at 20:04:41 UTC

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Keyword(s): volcano, eruption, lava flow, island, cinder, ash, Papoua New Guinea

Fig. 1 - S2 (26.12.2017) - 4,3,2 natural colour; 11,8,2 with gaussian equalization & NDVI - Volcano Kadavar before its eruption. 2D animation

Fig. 2 - S2 (15.01.2018) - Still smoking, the Kadovar has traded most of its vegetation for ash, in particular on its southern flank. 2D animation

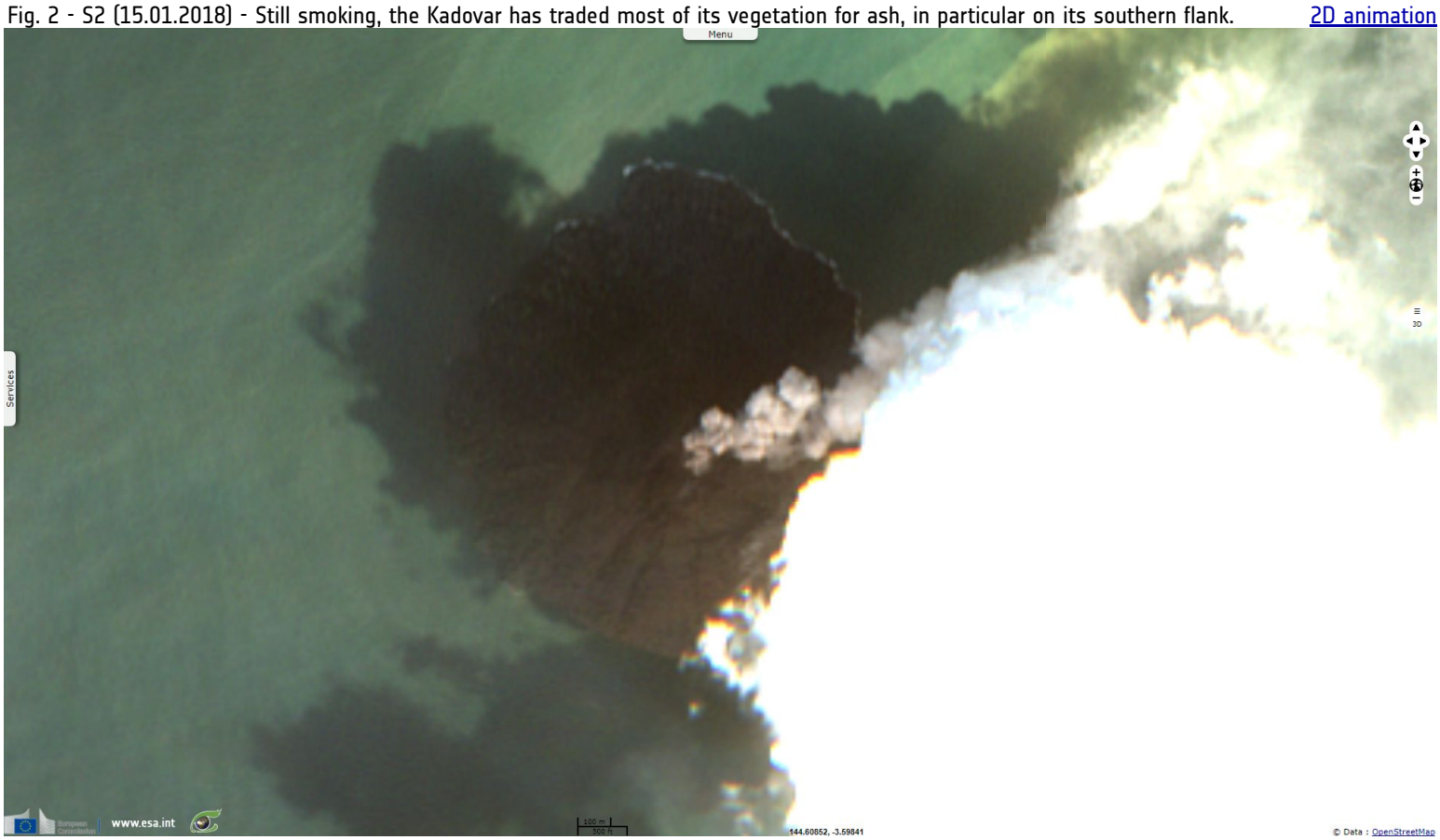


Fig. 3 - S1 IW (02.01.2018) - vv,vh,ndi(vh,vv) - The shape of the Kadovar shows its steep southern slope probably collapsed in the past. 2D view

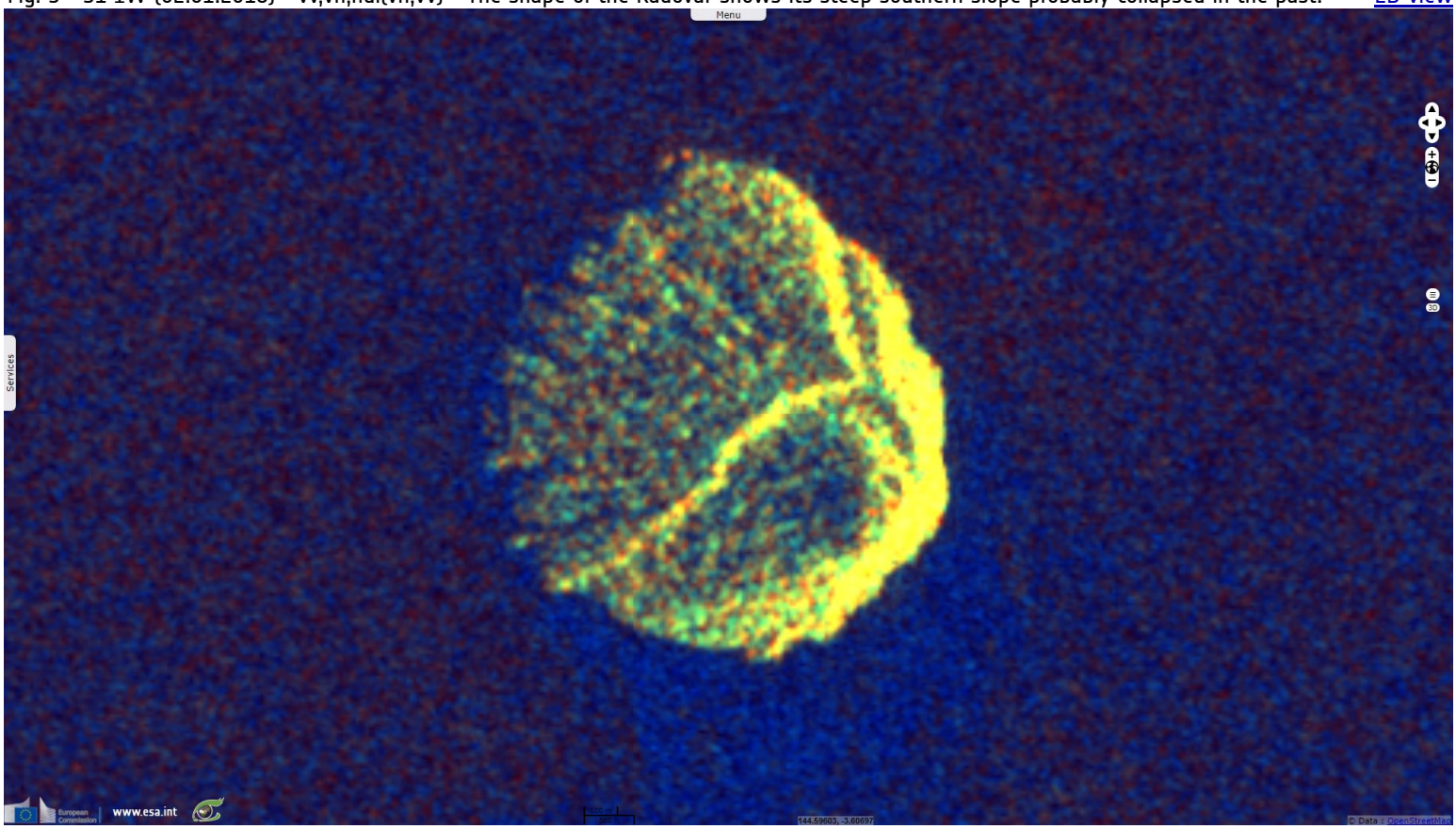
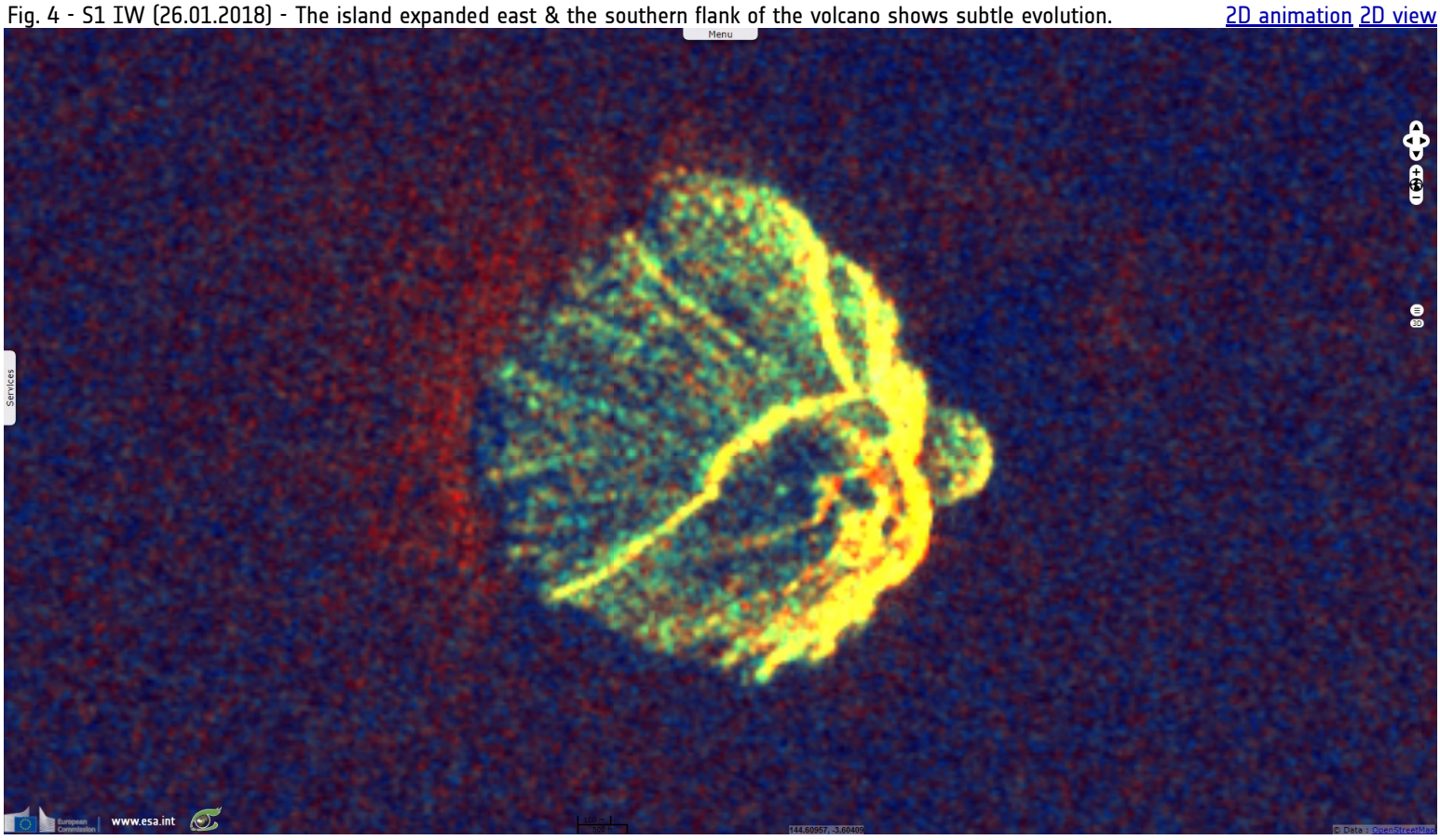


Fig. 4 - S1 IW (26.01.2018) - The island expanded east & the southern flank of the volcano shows subtle evolution. 2D animation 2D view



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