

Mount Toba caldera lake

Sentinel-2 MSI acquired on **16 July 2017** at 03:35:41 UTC
Sentinel-2 MSI acquired on **19 October 2017** at 03:37:29 UTC
Sentinel-1 CSAR IW acquired on **04 January 2018** at 23:04:07 UTC
Sentinel-1 CSAR IW acquired on **09 January 2018** at 23:12:07 UTC
Sentinel-1 CSAR IW acquired on **10 January 2019** from 11:41:49 to 11:42:14 UTC

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[2D Layerstack](#)

Fig. 1 - S1 (10.01.2019) - vv,vh,ndi(vh,vv) colour composite, relief x3 - Lake Toba is located in Sumatra, it is the largest lake in Indonesia.

[3D view](#)

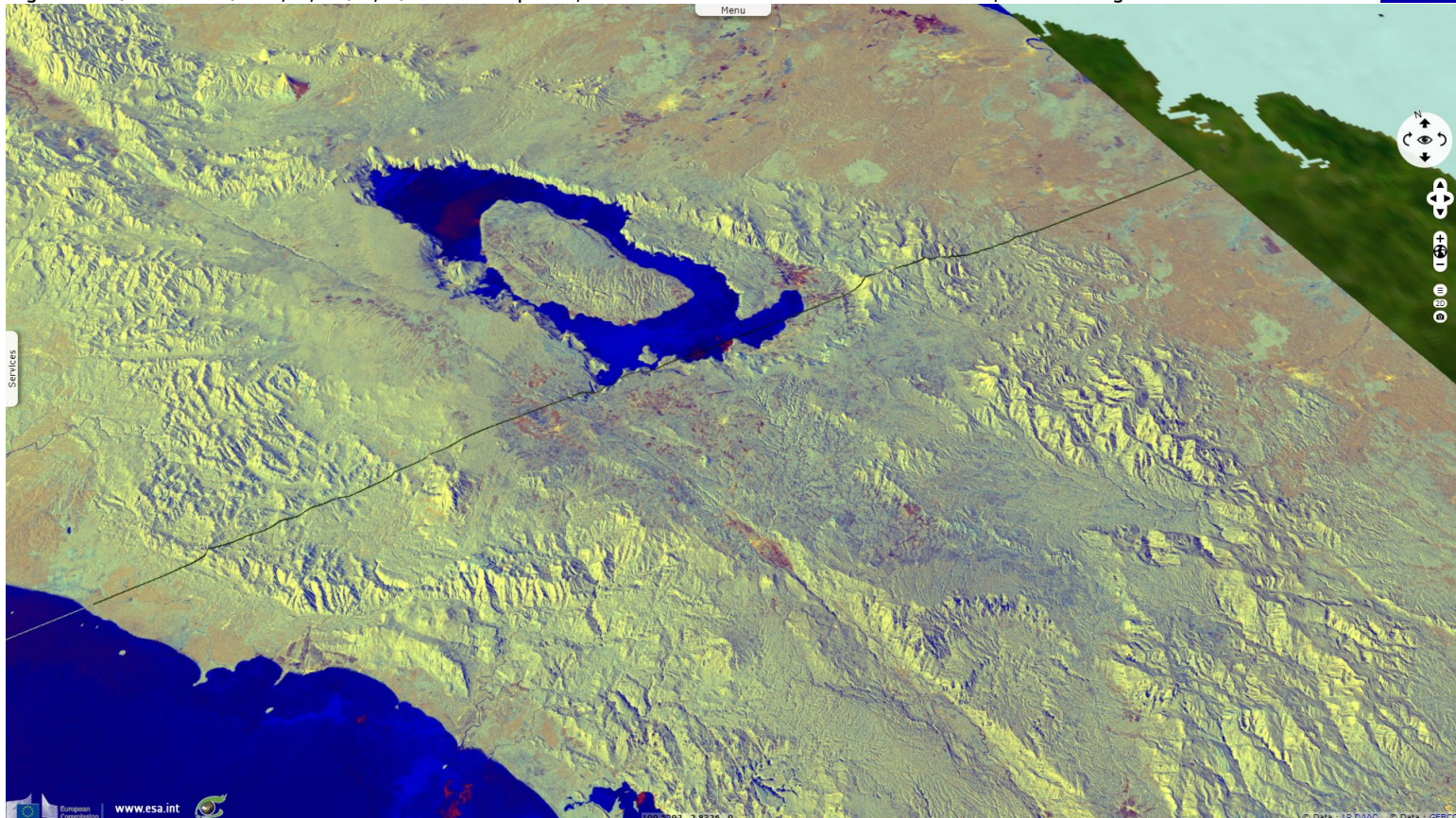


Fig. 2 - S2 (16.07.2017) - 11,8,2 colour composite, relief x2 - 100 km long by 30 km large, it is also the largest volcanic lake in the world

[3D view](#)



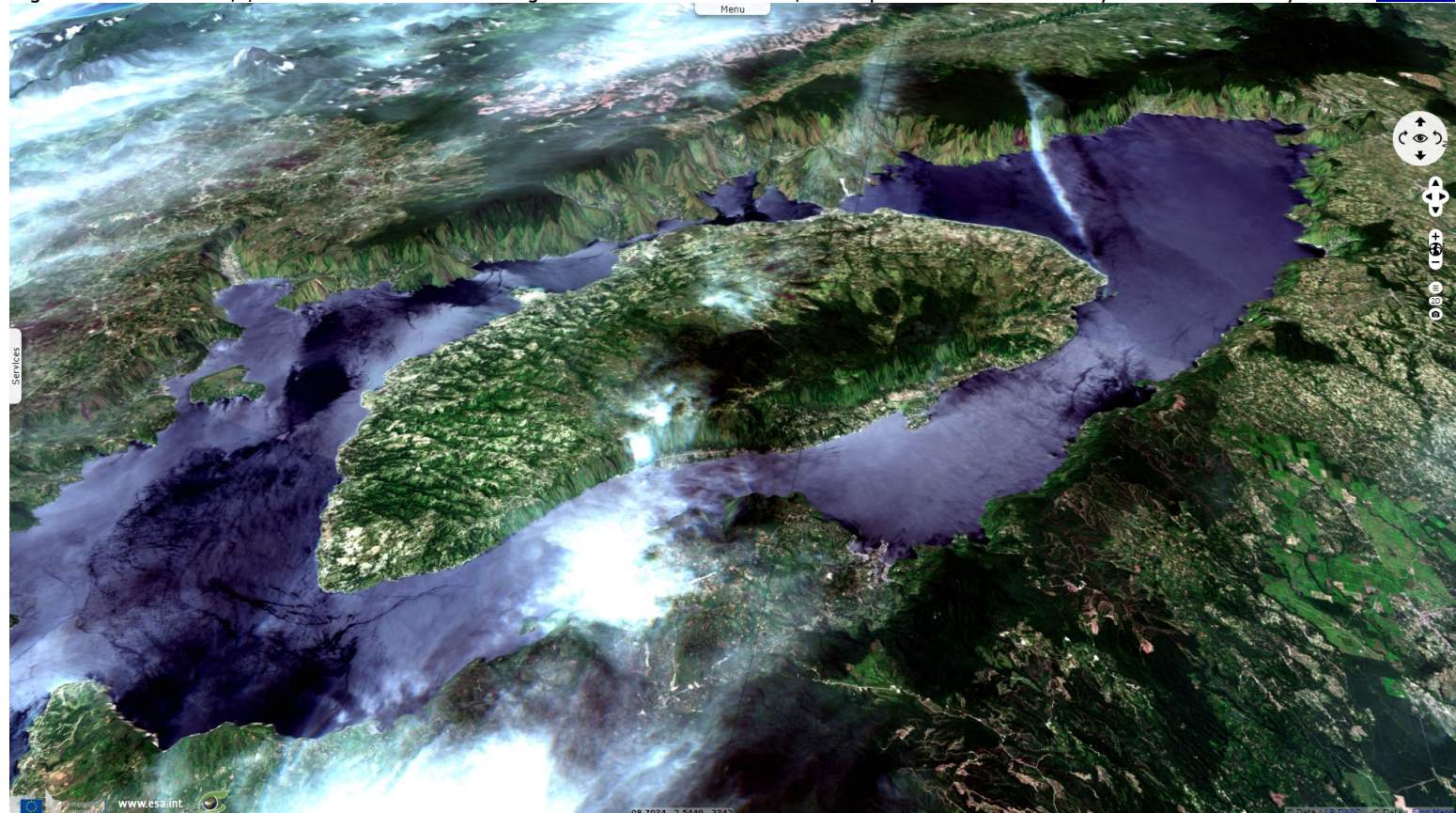
Fig. 3 - 04 & 09.01.2018 - vv,vh,vv colour composite - It occupies the caldera of a supervolcano which exploded ~76 000 years ago.

[3D view](#)















Fig. 4 - 19.10.2017 - 4,3,2 natural colour - 280x stronger than Pinatubo's in 1991, its eruption cooled the Earth by 3-5°C for several years.

[3D view](#)



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