Sentinel Vision SED-637 06 April 2020



## Mount Kenya, second highest summit of Africa

null acquired on 11 February 2000 at 00:00:00 UTC Sentinel-1 CSAR IW acquired on 14 May 2017 at 15:48:11 UTC Sentinel-1 CSAR IW acquired on 30 November 2017 at 03:10:53 UTC Sentinel-2 MSI acquired on 03 February 2019 at 07:41:29 UTC

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Keyword(s): Mountain, volcano, ice cap, glacier, cryosphere, climate change, UNESCO World Heritage site, Great rift valley.

Fig. 1 - S2 (03.02.2019) - 4,3,2 natural colour over the CGMW geological map of Africa - Mount Kenya lies along the East African rift. 2D view 3D view



Mount Kenya is an effusive stratovolcano created approximately 3 million years after the opening of the Gregory rift.

Fig. 2 - S1 (30.11.2017) - vv,vh,ndi(vh,vv) composite - Mt Kenya is the highest mountain in Kenya & the 2nd-highest in Africa with 5199m. 3D view



Fig. 3 - S2 - 11,8,2 colour composite - It was covered by an ice cap for thousands of years, 11 small rapidly shrinking glaciers remain.

<u>3D view</u>



Surrounded by crop areas, there are distinct vegetation rings around Mount Kenya which vary according to altitude & aspect, from bottom to top: montane forest, bamboo forest, timberline forest, heathland & chaparral, afro-alpine and finally the nival zone.

Fig. 4 - S1 (30.11.2017) - vv,vh,vv composite - A UNESCO World Heritage site since 1997, Mount Kenya National Park is 715 km<sup>2</sup> wide. <u>3D view</u>



Fig. 5 - S1 (30.11.2017) - vv,vh,ndi(vh,vv) - This ice cap resulted in very eroded slopes & numerous valleys radiating from the centre.



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<u>3D view</u>