

Erosion & loss of leaf cover in Fijis due to cyclone Yasa

Sentinel-3 OLCI FR acquired on 13 December 2020 at 21:38:36 UTC
Sentinel-5P TROPOMI CLOUD acquired on 16 December 2020 from 00:10:33 to 02:25:05 UTC

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Sentinel-3 OLCI FR acquired on 19 December 2020 at 21:21:50 UTC
Sentinel-2 MSI acquired on 19 December 2020 at 22:19:39 UTC

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[3D Layerstack](#)

Fig. 1 - S5P TROPOMI (16.12.2020) - Severe Tropical Cyclone Yasa was the strongest tropical cyclone in the South Pacific since 2016.

[2D view](#)

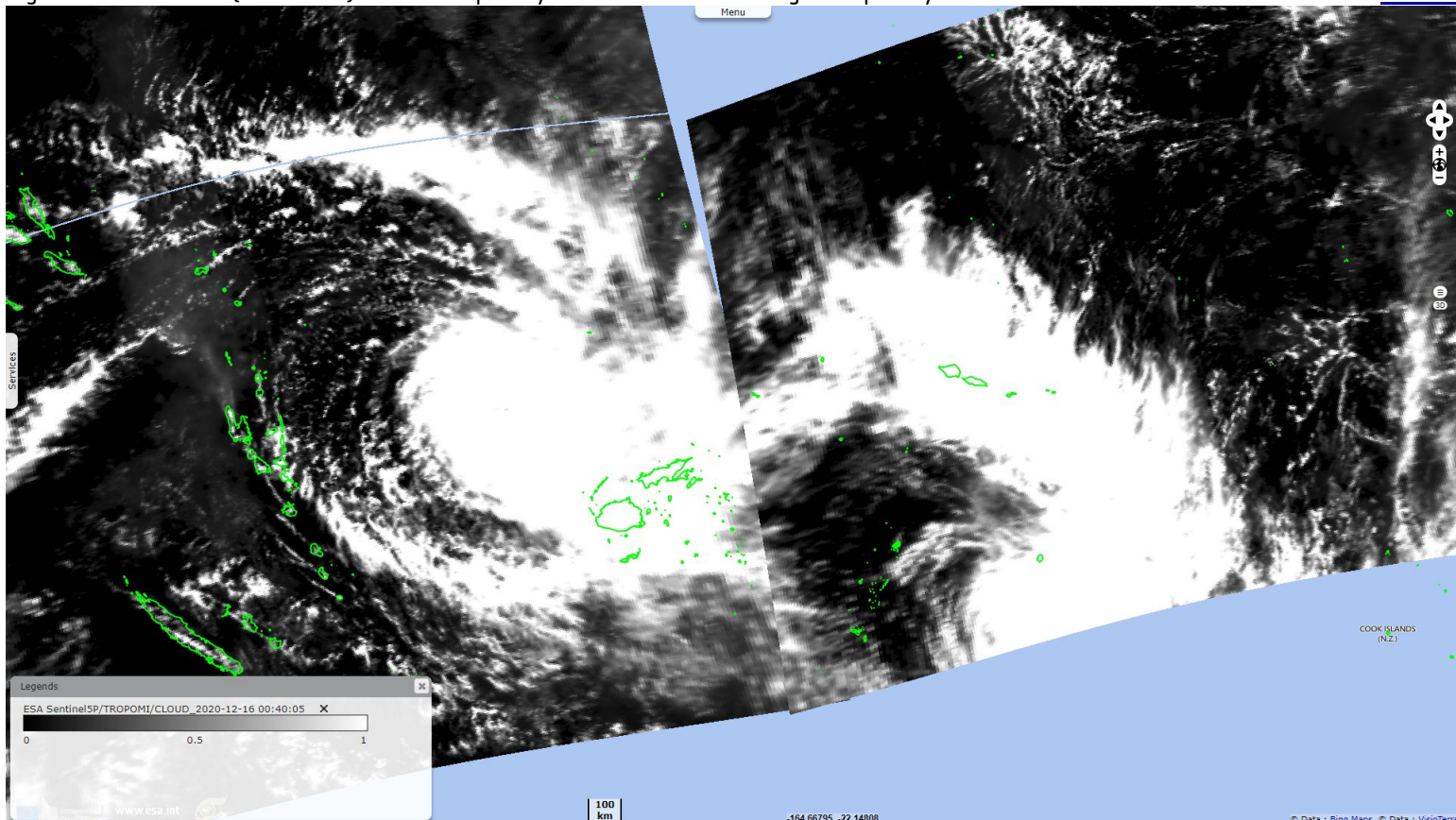


Fig. 2 - S5P TROPOMI (17.12.2020) - Yasa was the earliest Category 5 tropical cyclone in the South Pacific Ocean.

[2D view](#)

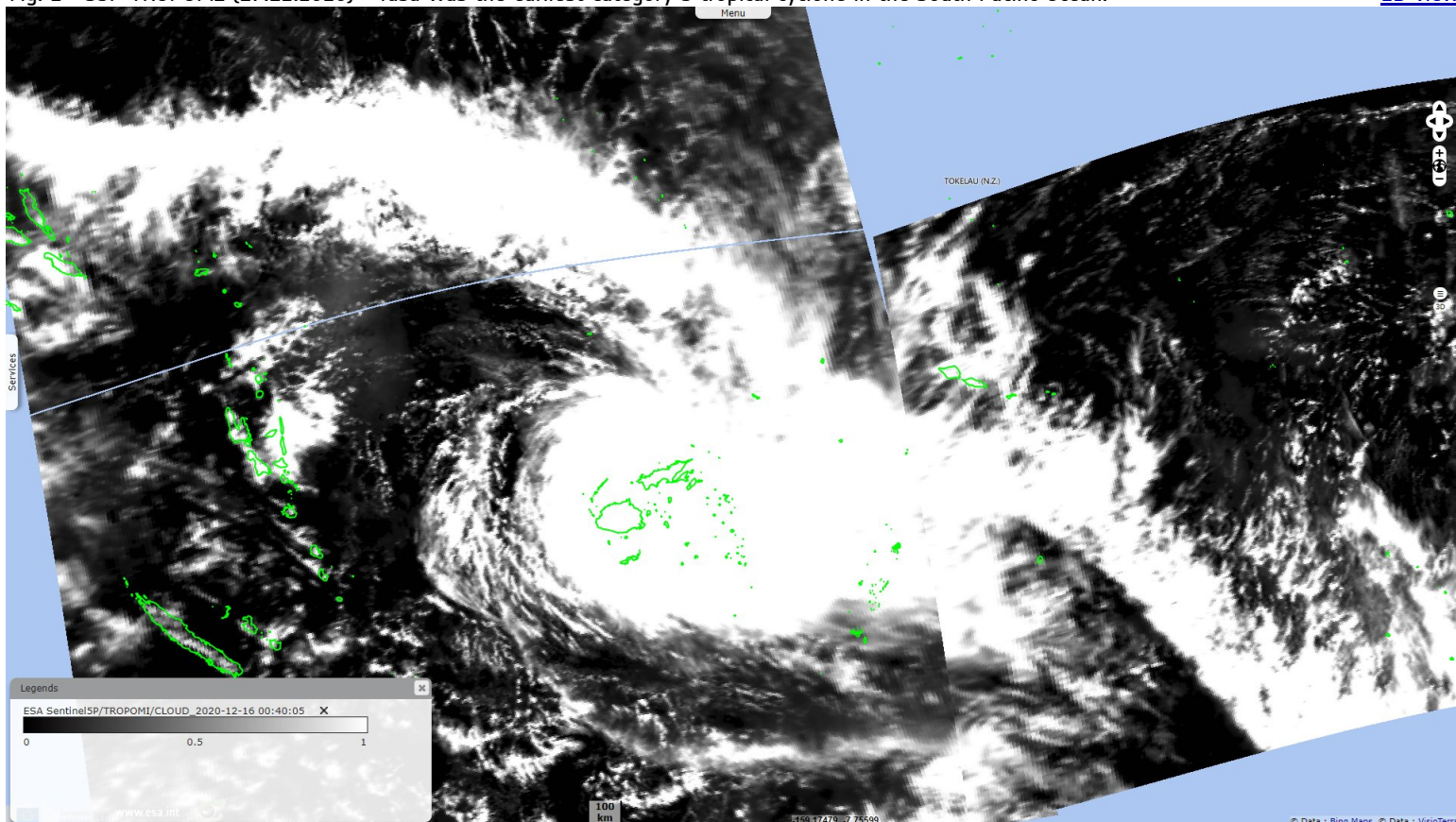


Fig. 3 - S3 OLCI (13.12.2020) - Yasa made landfall in Bua Province on Vanua Levu island at around 06:00 UTC on December 17.

[3D view](#)

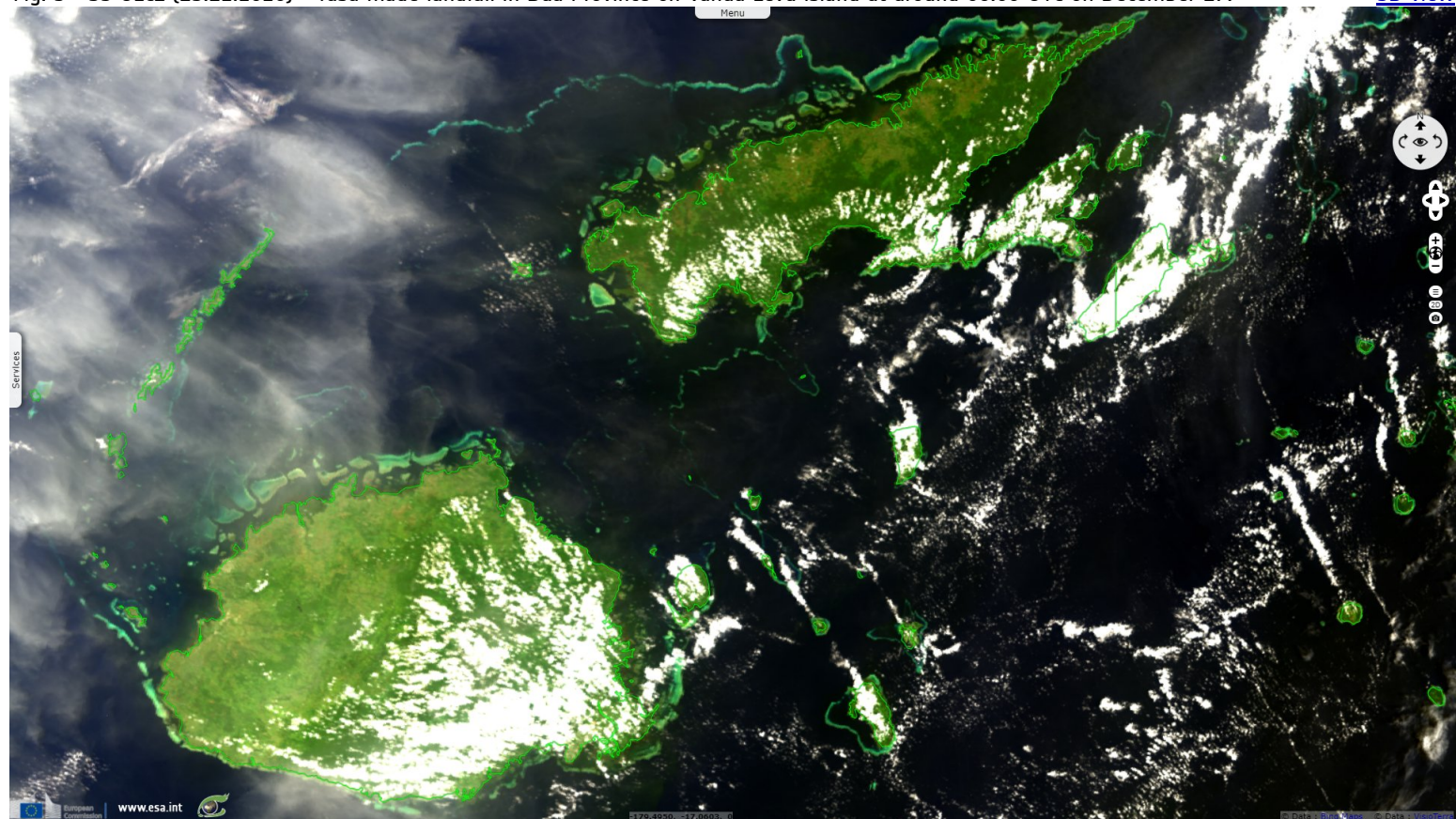


Fig. 4 - S3 OLCI (19.12.2020) - Prime Minister Frank Bainimarama said in a video about 95% of the country's population, were in the direct path of Yasa.

[3D view](#)



Fig. 5 - S3 OLCI (18.12.2020) - As the cyclone passed on Vanua Levu island, it caused erosion due to runoff and a loss of the leaf cover.

[3D view](#)

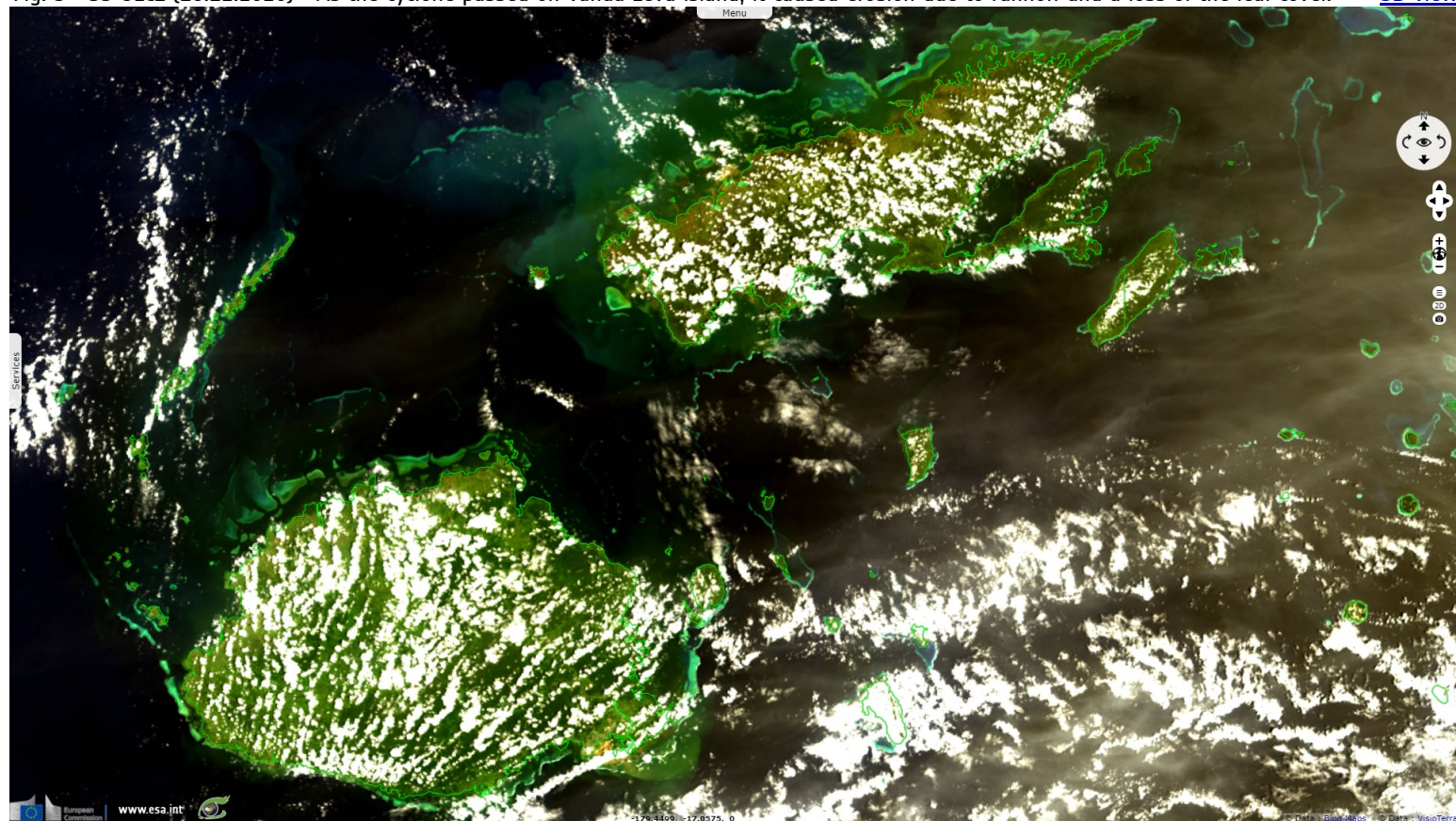


Fig. 6 - S2 (19.12.2020) - The alerts and preparations allowed to limit the human toll to 4 dead and 1 missing.

[3D view](#)



*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
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