

Super typhoon Rai, the fifth of the Pacific 2021 season

Sentinel-2 MSI acquired on 20 November 2021
Sentinel-2 MSI acquired on 20 December 2021
Sentinel-3 OLCI FR acquired on 13, 15, 17 and 20 December 2021
Sentinel-3 SLSTR RBT acquired on 15 December 2021

Author(s): Sentinel Vision team, VisioTerra, France - svp@visioterra.fr

Keyword(s): Natural disaster, cyclone, emergency, global warming, climate change, precipitations, Philippines



[2D Layerstack](#)

Fig. 1 - S3 OLCI (13-15-17-20.12.2021) - 10,6,3 Natural colour - The super Typhoon Rai monitored by Sentinel-3A and Sentinel-3B.

[2D view](#)

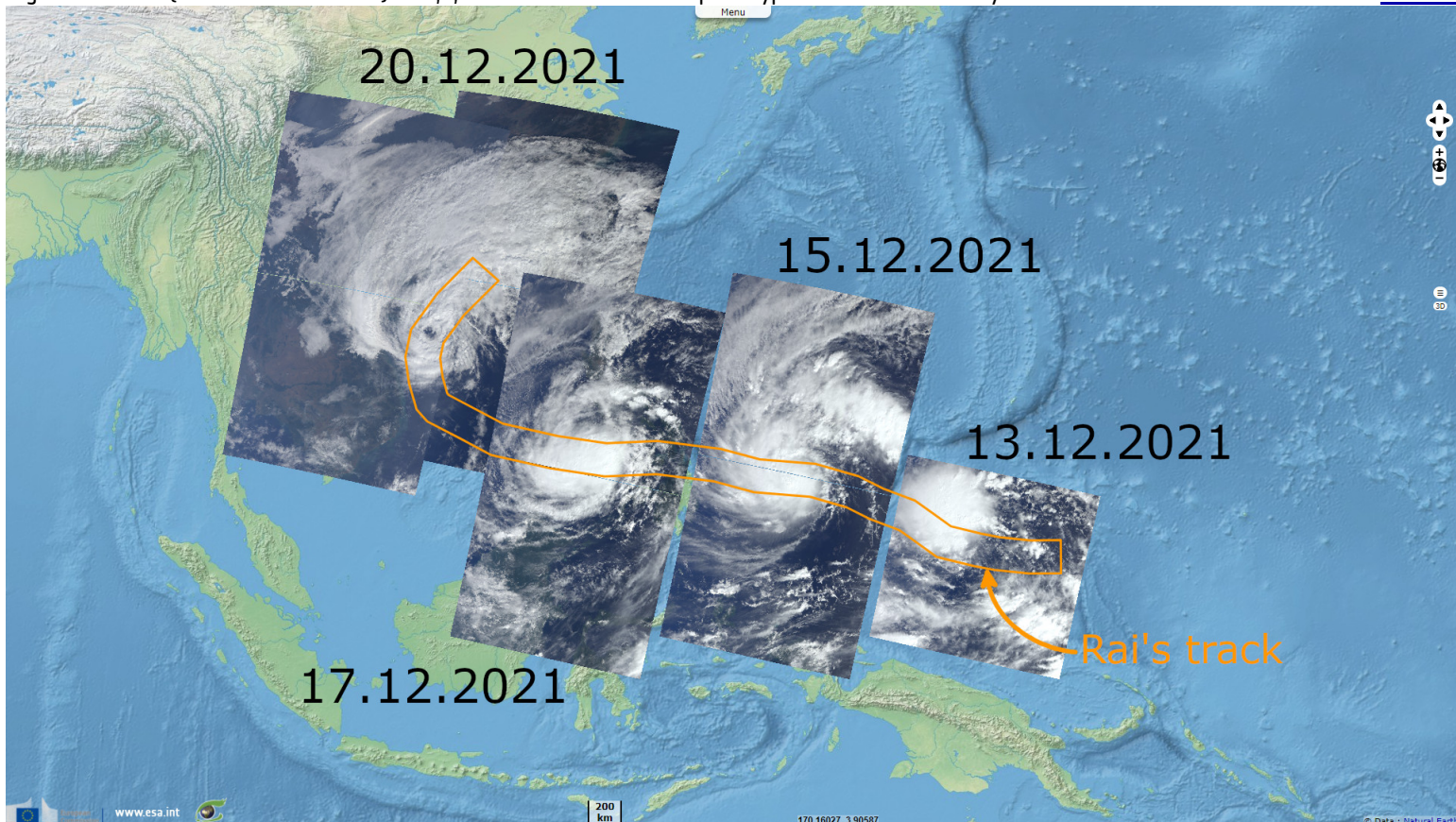


Fig. 2 - S3 OLCI (13.12.2021) - 10,6,3 Natural colour - Typhoon Rai short after its formation on the 12 December 2021.

[2D view](#)

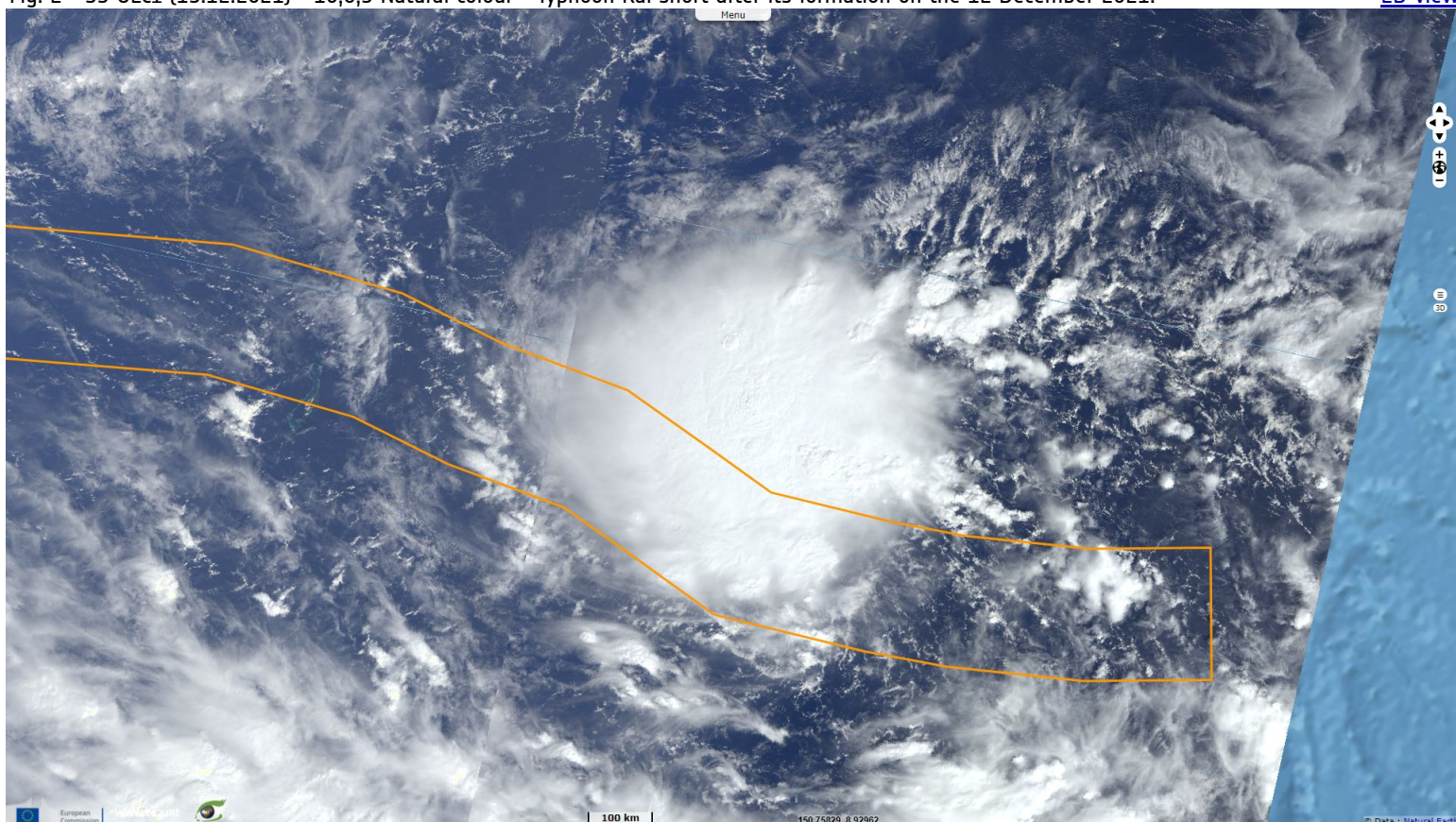


Fig. 3 - S3 SLSTR (15.12.2021) - S8N - A thermal 3D view of Rai just before it hit the Philippines as a category 5 typhoon.

[3D view](#)

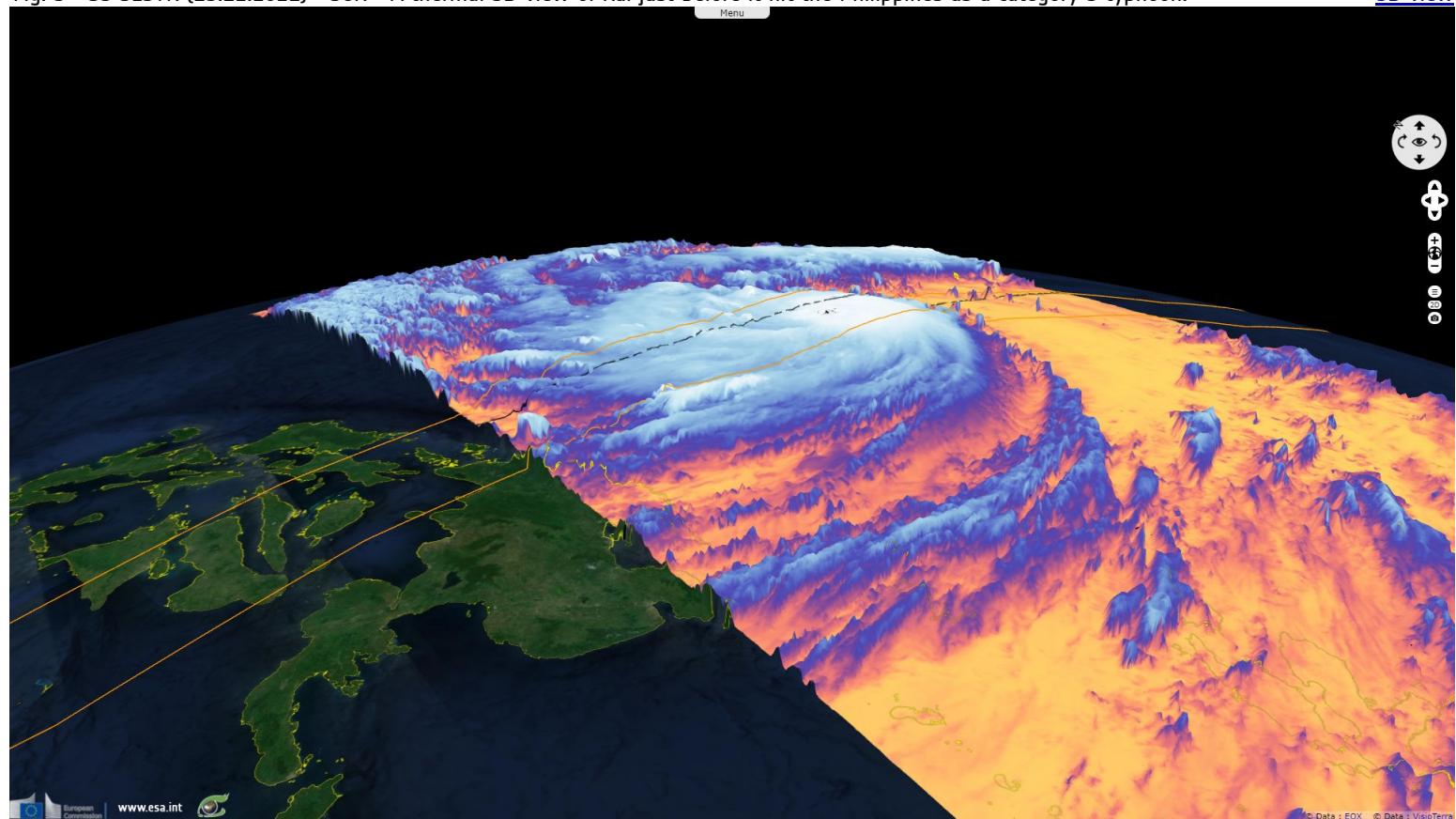


Fig. 4 - S2 (20.11 vs. 20.12.2021) - The degraded vegetation and materials carried to the sea witnesses the passage of Typhoon Rai.

[2D animation](#)



*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
Contains modified Copernicus Sentinel data 2021, processed by VisioTerra.*

More on European Commission space:						
More on ESA:				S-1 website	S-2 website	S-3 website
More on Copernicus program:				SciHub portal	Cophub portal	Inthub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal
					CryoSat portal	