

Electrification of deforested areas, Para state, Brazil

Sentinel-1 CSAR IW acquired on 29 September 2016 from 09:05:56 to 09:06:21 UTC

Sentinel-2 MSI acquired on 28 July 2017 at 13:51:09 UTC

...

Sentinel-2 MSI acquired on 11 August 2021 at 13:51:21 UTC

Sentinel-1 CSAR IW acquired on 13 January 2022 from 09:06:25 to 09:06:50 UTC

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

Keyword(s): Infrastructure, electric power, deforestation, Amazon, Brazil



[2D Layerstack](#)

Fig. 1 - S1 (29.09.2016->23.10.2016) - South of the Amazon, deforested areas between Xingu & Tocantins rivers run by electric lines, Brazil. [2D view](#)

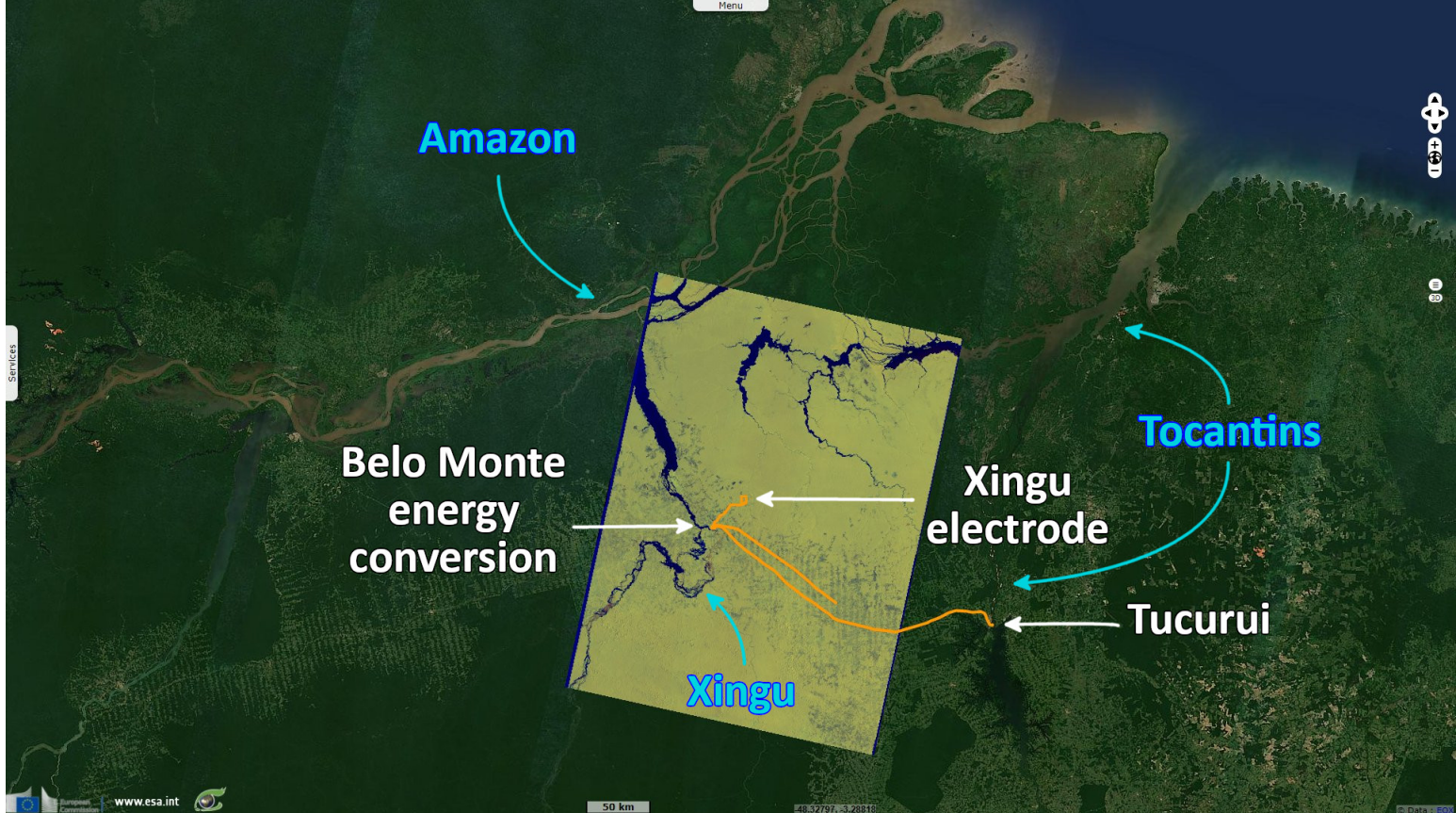


Fig. 2 - S2 (11.08.2021) - Belo Monte energy conversion substation feeds High Voltage Direct Current lines feed lines to Minas Gerais & Rio de Janeiro.

[2D view](#)

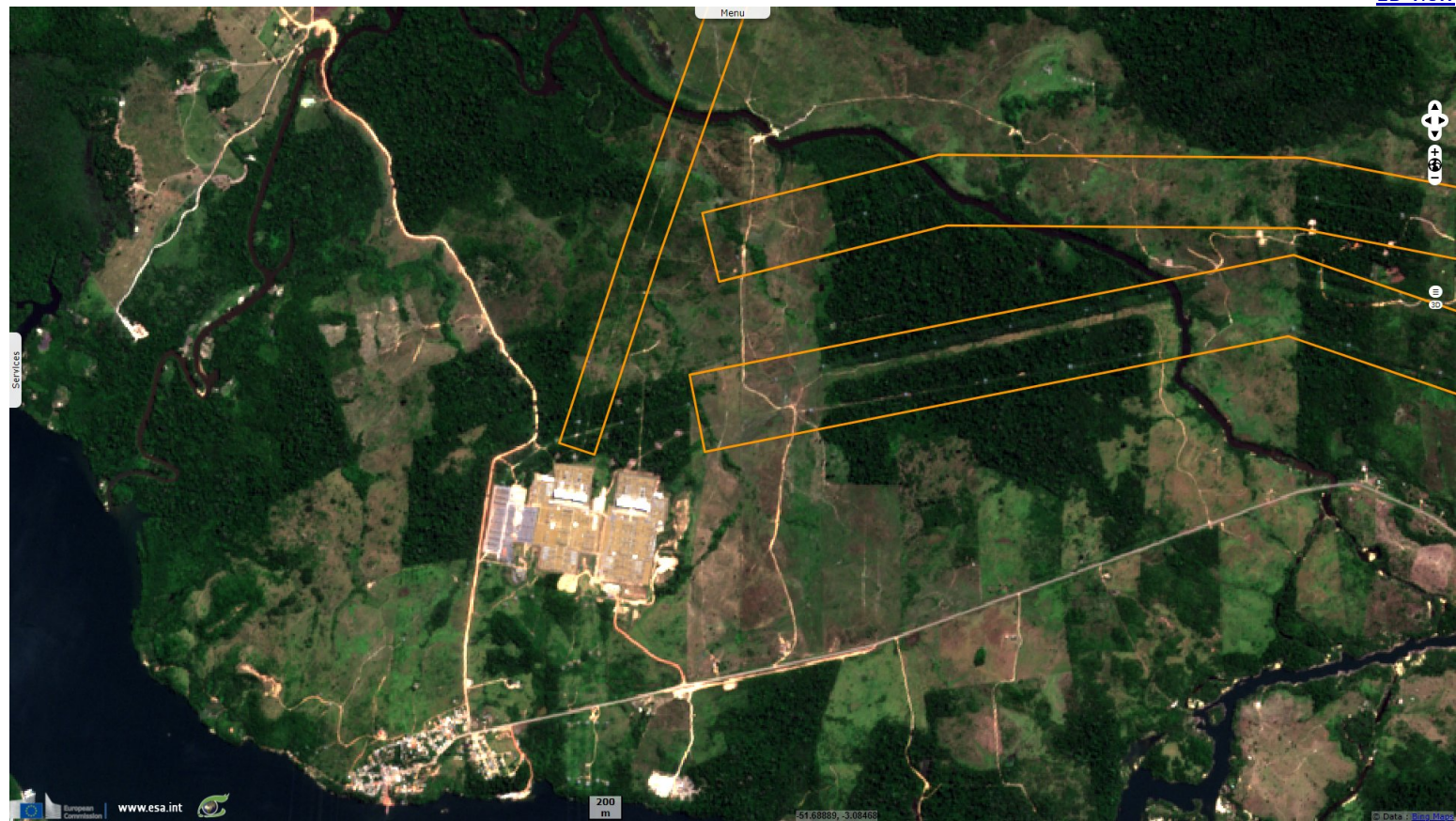


Fig. 3 - S2 (28.06.2016) - Further inland, an area undergoing progressive deforestation.

[2D view](#)



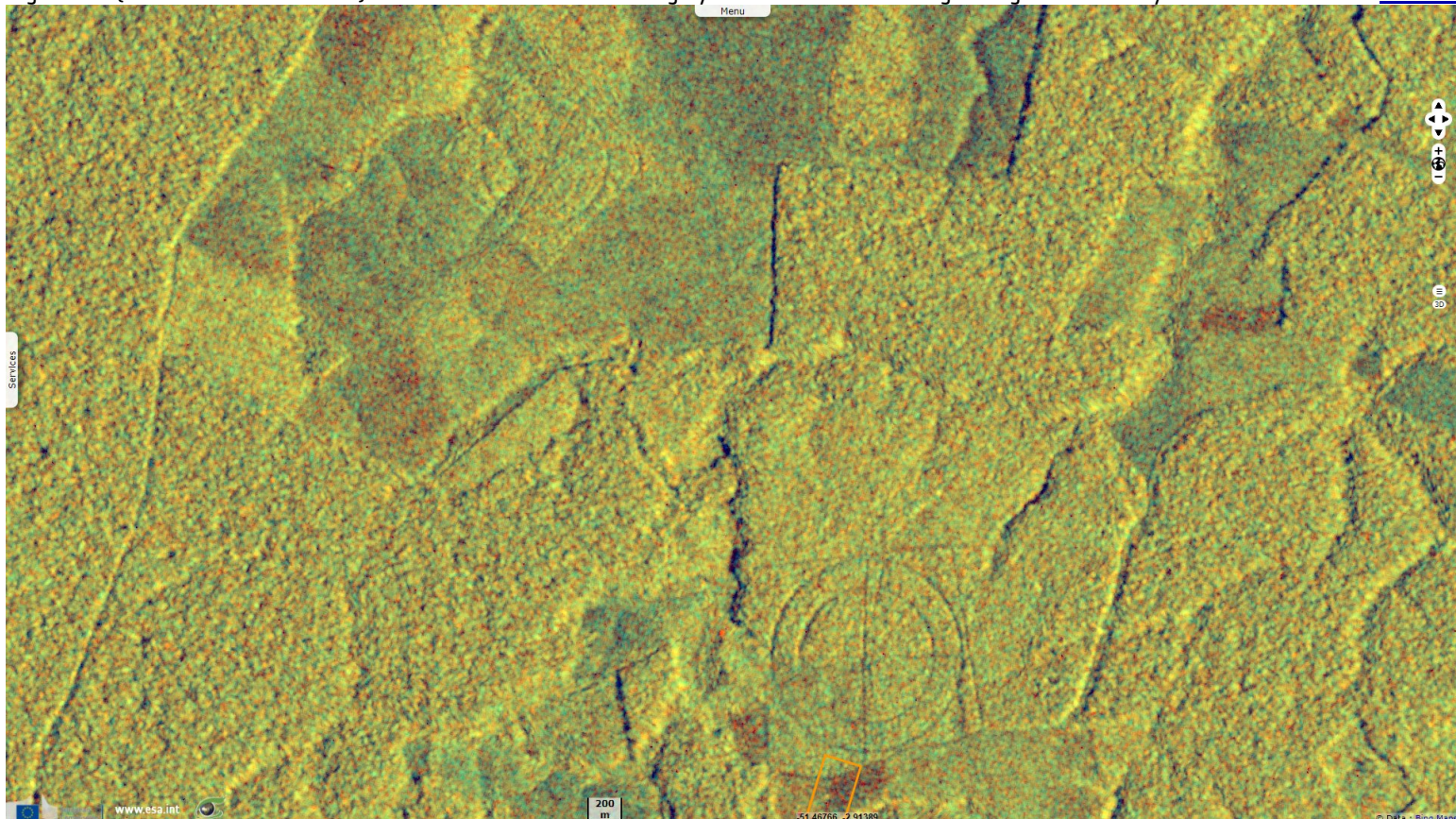
Fig. 4 - S2 (11.08.2021) - Xingu ground electrode electrical substations were built there in 2018 with two infrastructures visible.

[2D view](#)



Fig. 5 - S1 (20.12.2021->13.01.2022) - It is also visible in radar imagery which allows monitoring through the cloud layer.

[2D view](#)



The views expressed herein in no way be taken to reflect the official opinion of the European Space Agency or the European Union. Contains modified Copernicus Sentinel data 2022, 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	Colhub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal	CryoSat portal