



[2D Layerstack](#)

Earth Overshoot Day, Sasol industrial complex of Secunda, world's biggest single-site greenhouse gases emitter, RSA

Sentinel-1 CSAR IW acquired on 25 March 2015 at 16:38:14 UTC

Sentinel-2 MSI acquired on 22 April 2018 at 07:46:09 UTC

Sentinel-1 CSAR IW acquired on 15 July 2021 at 16:38:56 UTC

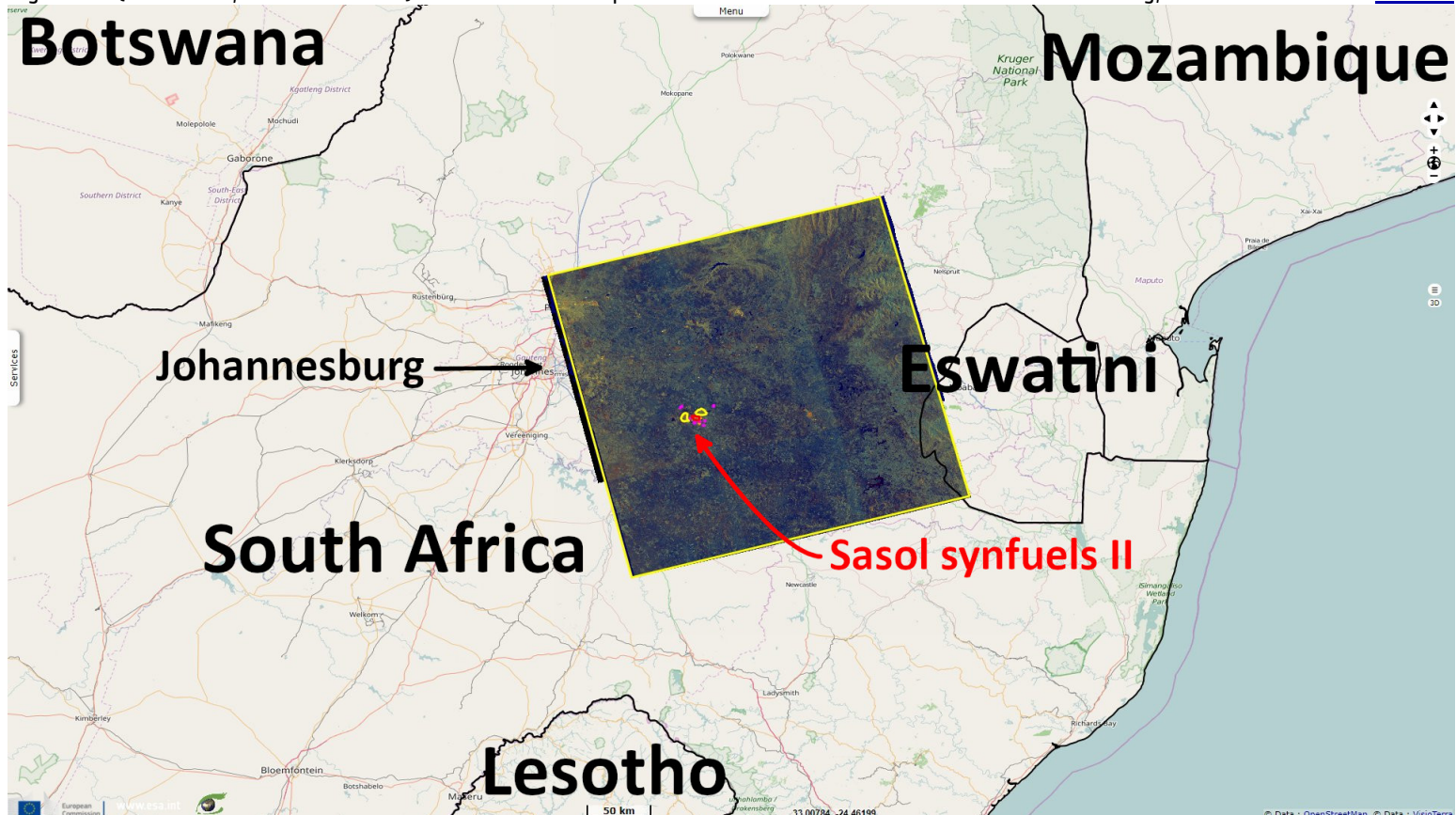
Sentinel-2 MSI acquired on 25 July 2021 at 07:46:19 UTC

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

Keyword(s): Climate change, global warming, Greenhouse Gas, atmosphere, oil and gas, coal mine, urban planning, South Africa, RSA

Fig. 1 - S1 (25.03.2015, 06 & 18.04.2015) - The industrial complex of Secunda lies 110 km south-east of Johannesburg, South Africa.

[2D view](#)



Sasol Coal liquefaction plants currently supply about 28% of South Africa's fuel needs from coal.

Fig. 2 - S2 (22.04.2018) - Lying between underground coal mines & gold mines, Secunda city & eMbalenhle township were built specifically to host their workers.



Fig. 3 - S1 (21.06.2021, 03 & 15.07.2021) - World's biggest single-site greenhouse gases emitter, Secunda "produces the most polluting liquid fuels in the world."

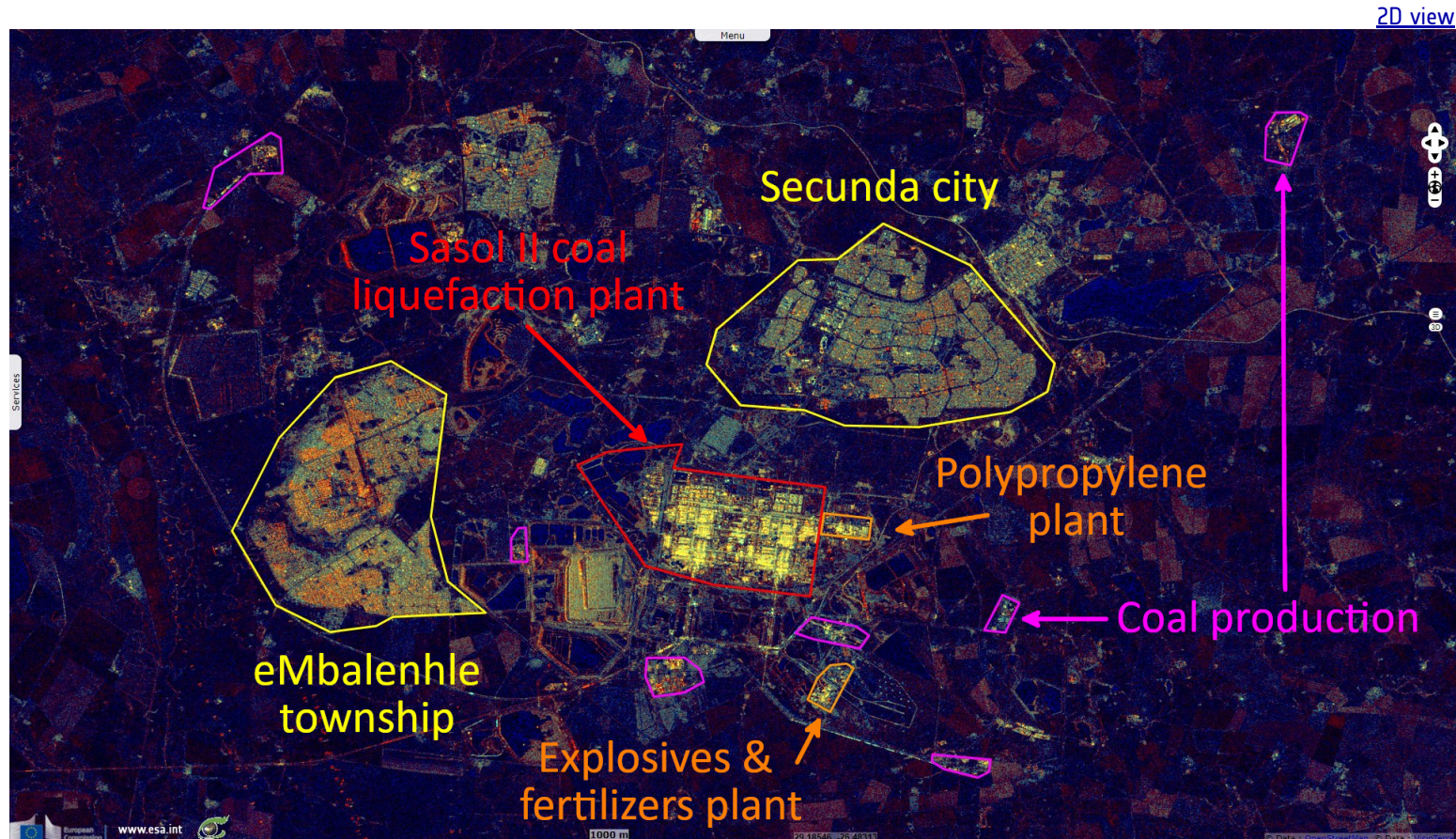














Fig. 4 - S2 (25.07.2021) - At 56.5 million tons of greenhouse gases a year, Secunda's emissions exceed that of over 100 countries, including Norway & Portugal.

[2D 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.
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	ColHub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal	CryoSat portal