

Flash flood in Concepcion, Paraguay

null acquired on **01 December 2010** at 00:00:00 UTC

Sentinel-2 MSI acquired on **03 January 2021** at 13:51:11 UTC

Sentinel-1 CSAR IW acquired on **05 January 2021** at 09:19:26 UTC

Sentinel-1 CSAR IW acquired on **17 January 2021** at 09:19:26 UTC

Sentinel-2 MSI acquired on **18 January 2021** at 13:51:09 UTC

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

Keyword(s): Emergency, flash flood, urban planning, river, hydrology, Paraguay

[2D Layerstack](#)

Fig. 1 - S1 (05.01.2021) - Concepción lies in Concepción department in Paraguay, next to the river this country is named after.

[2D view](#)

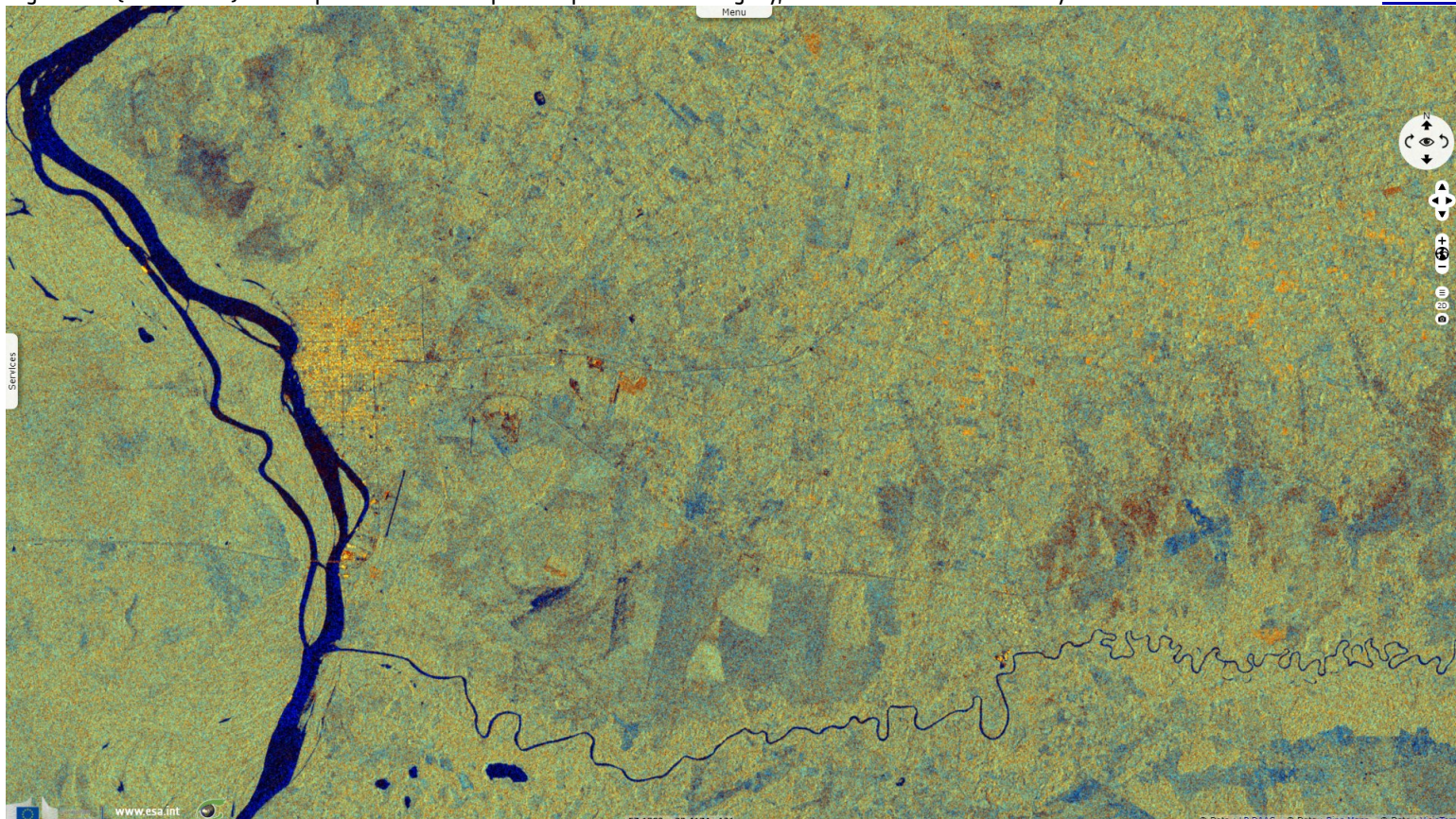


Fig. 2 - S1 (17.01.2021) - View at the beginning of a flash flood event which struck in around 7 districts of the city from 16 January, 2021.

[2D view](#)

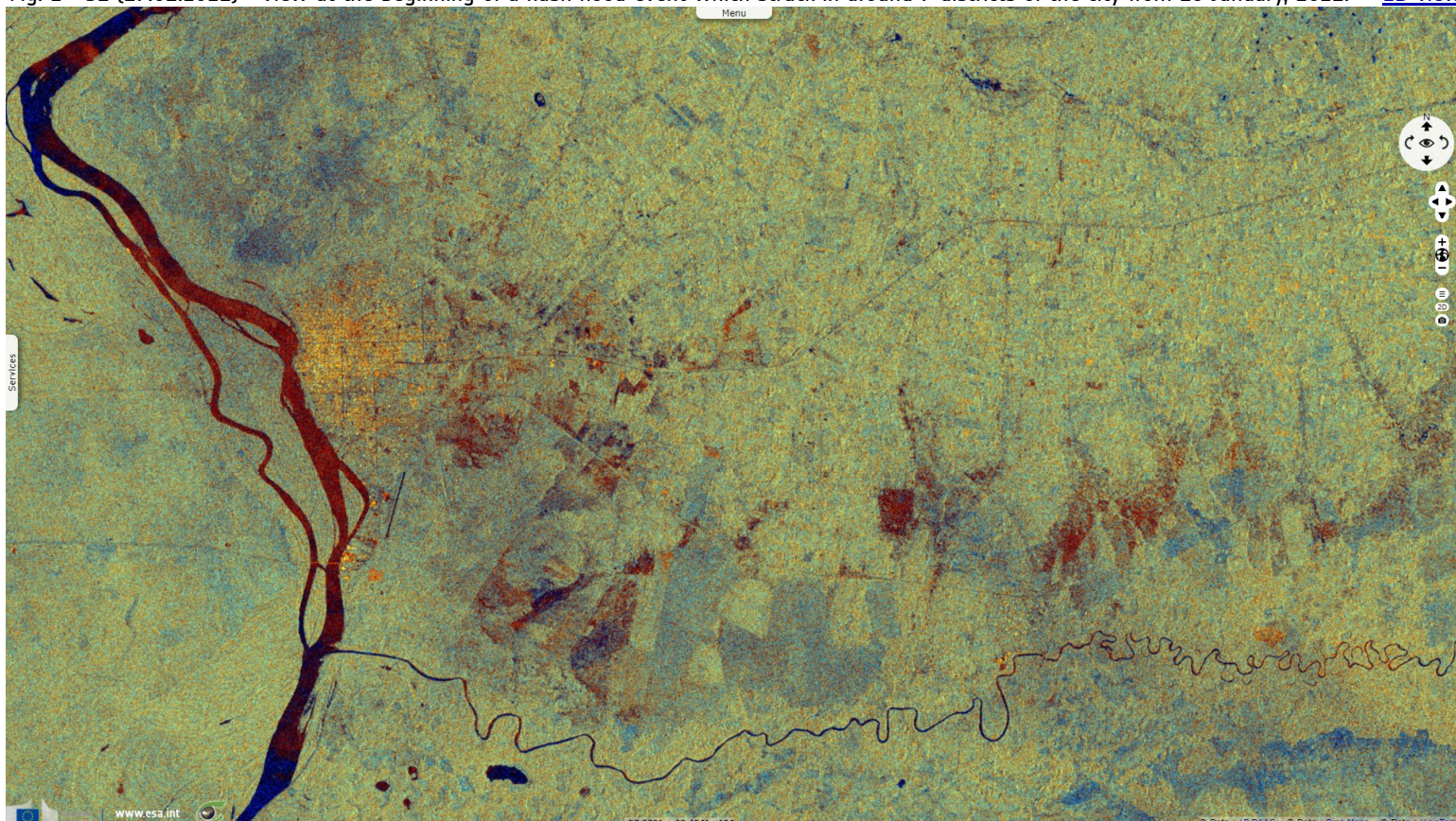


Fig. 3 - S1 (17.01.2021) - Almost 230 mm of rain fell in the city on 17 January 2021, affecting at least 4000 families.

[2D view](#)

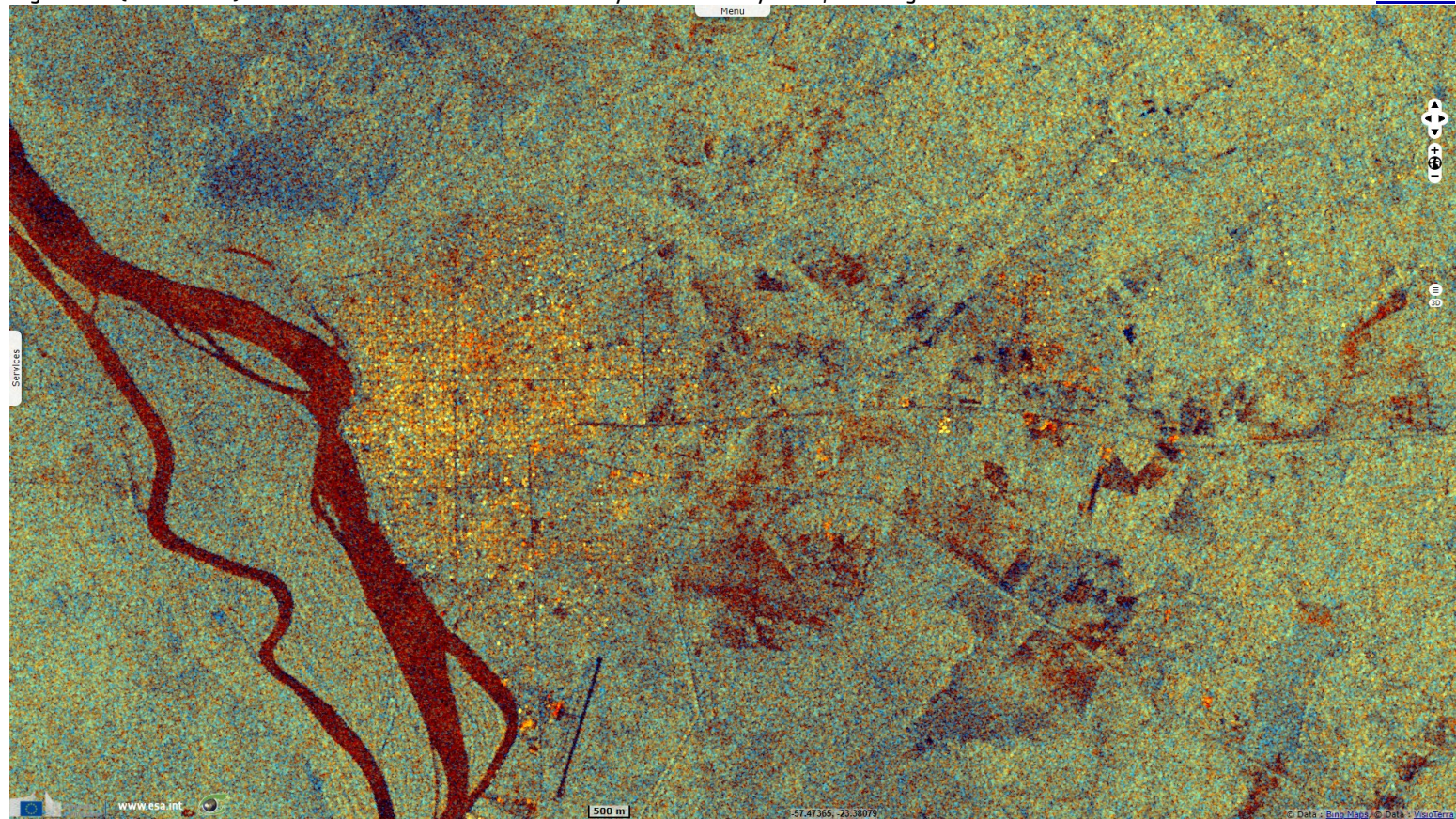
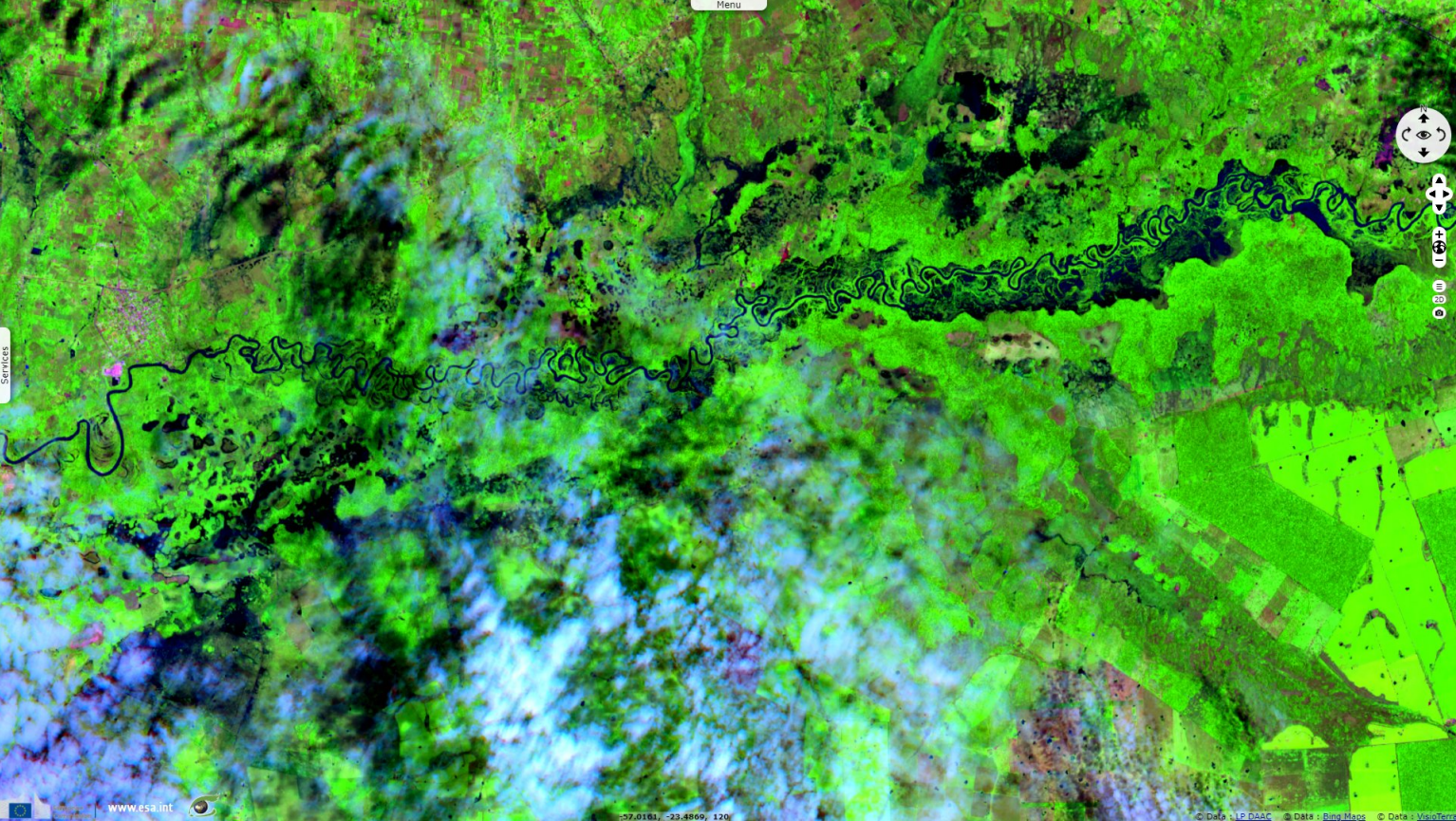


Fig. 4 - S2 (03.01.2021) - River Ypané before the flood.

[2D view](#)



Fig. 5 - S2 (18.01.2021) - Levels of its parent, the Paraguay River jumped from around 1.6m on 17 January to 2.28m the following day. [2D view](#)



Excess water is mostly visible over bare soil, at this point the water level was mostly below the top of the vegetation.

*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	COP Hub portal	Intrub portal Colhub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal CryoSat portal