Sentinel Vision
SED-860
30 April 2021

2D Layerstack

Mid-Amazon flood, Brazil

Sentinel-1 CSAR IW acquired on **08 March 2021** from 09:47:18 to 09:47:43 UTC
Sentinel-1 CSAR IW acquired on **10 March 2021** from 09:31:00 to 09:31:25 UTC
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Sentinel-1 CSAR IW acquired on **25 April 2021** from 09:47:20 to 09:47:45 UTC
Sentinel-1 CSAR IW acquired on **27 April 2021** from 09:31:01 to 09:31:26 UTC

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Keyword(s): Flooding, emergency, urban planning, hydrology, Amazon river, Brazil

Fig. 1 - S1 (08-17.03.2021) - Several subbasins of the Amazon usually flood at different periods of the year. 2D view

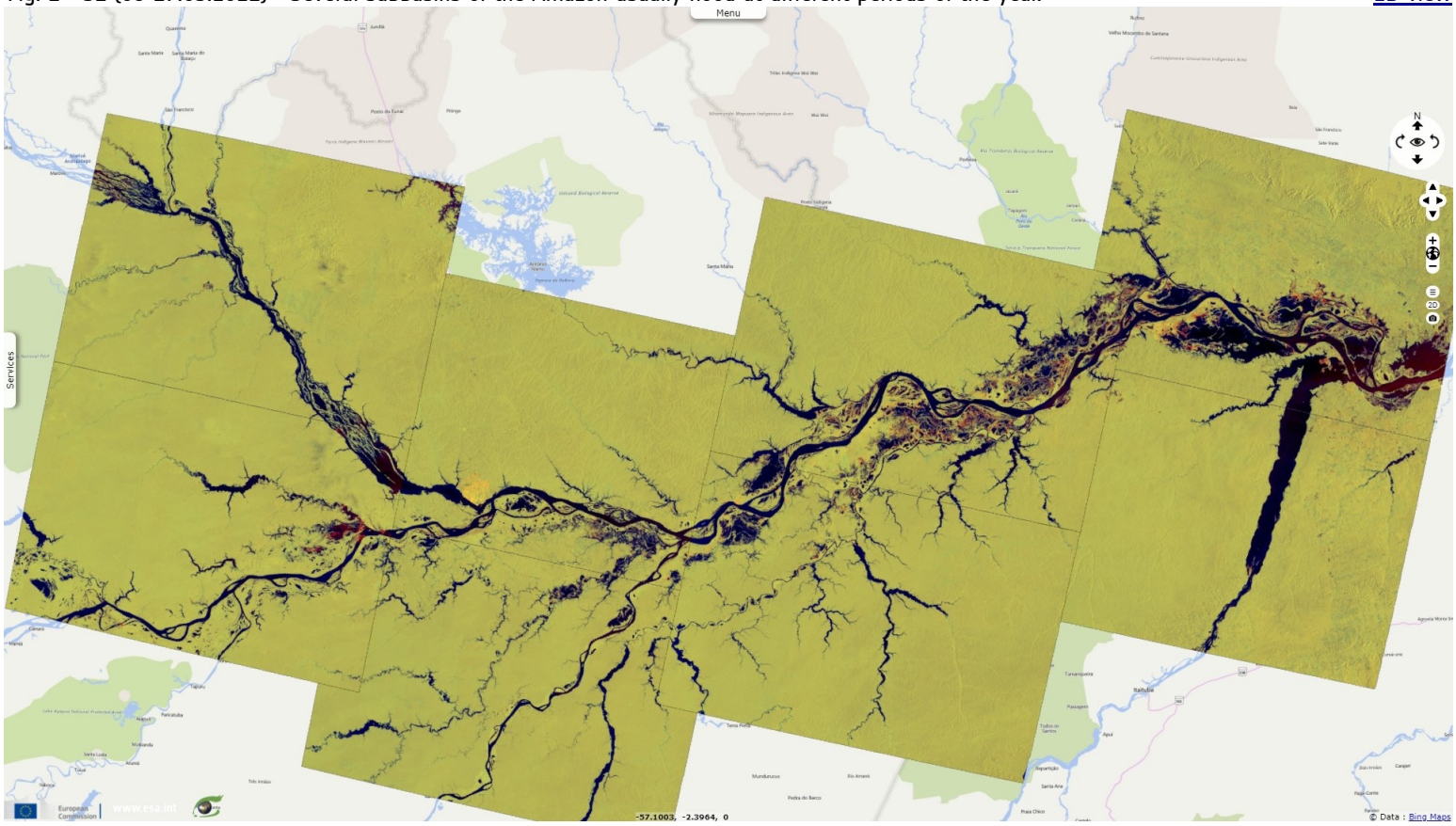


Fig. 2 - S1 (20-27.04.2021) - View of the same area six weeks later. 2D view

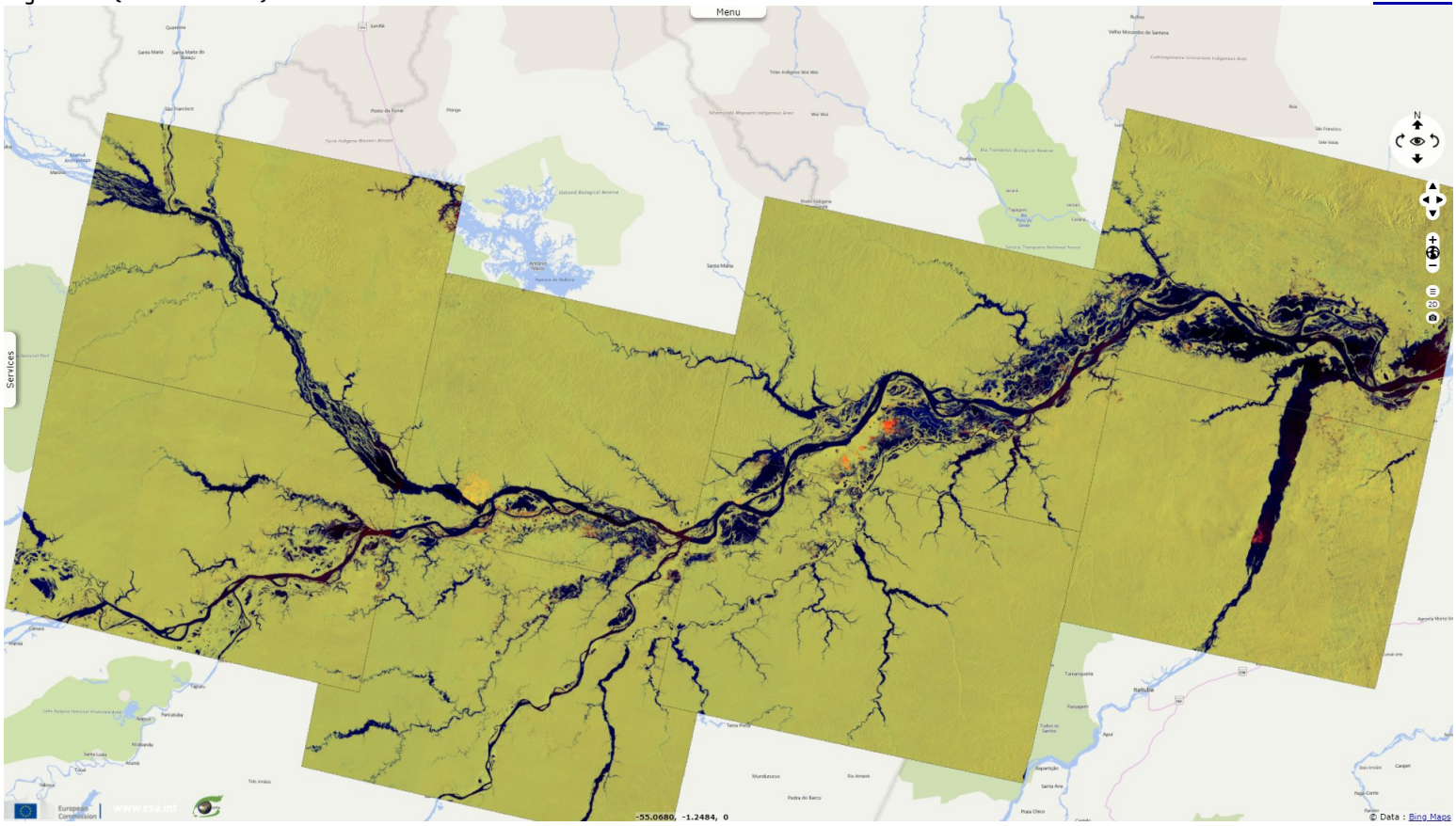


Fig. 3 - S1 (08-17.03.2021 & 20-27.04.2021) - View around the confluence with the Rio Negro which subbasin is not impacted. 3D animation

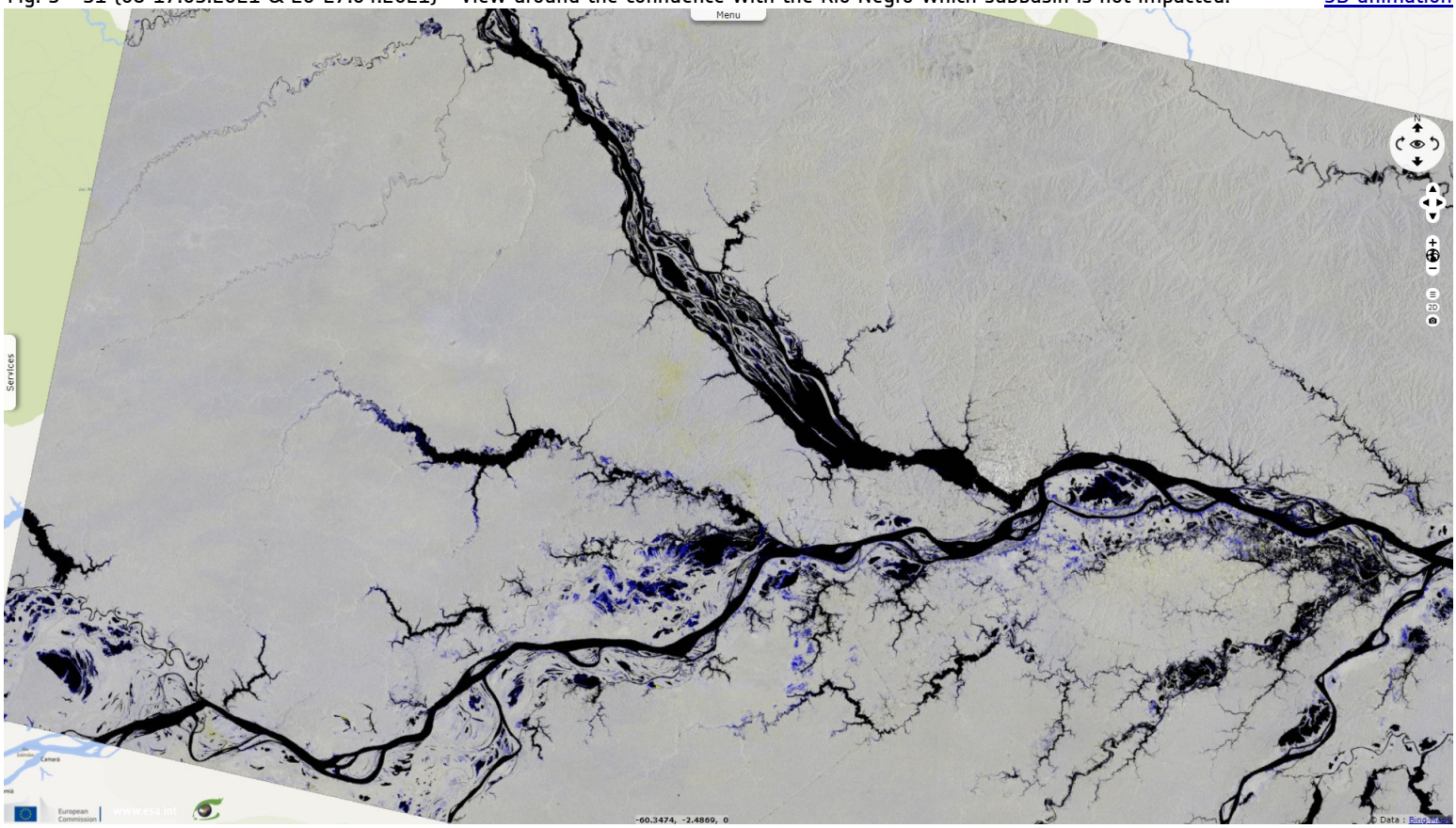


Fig. 4 - Further east, the flood impacts down to Santarem and the confluence with the Tapajos river. 3D animation

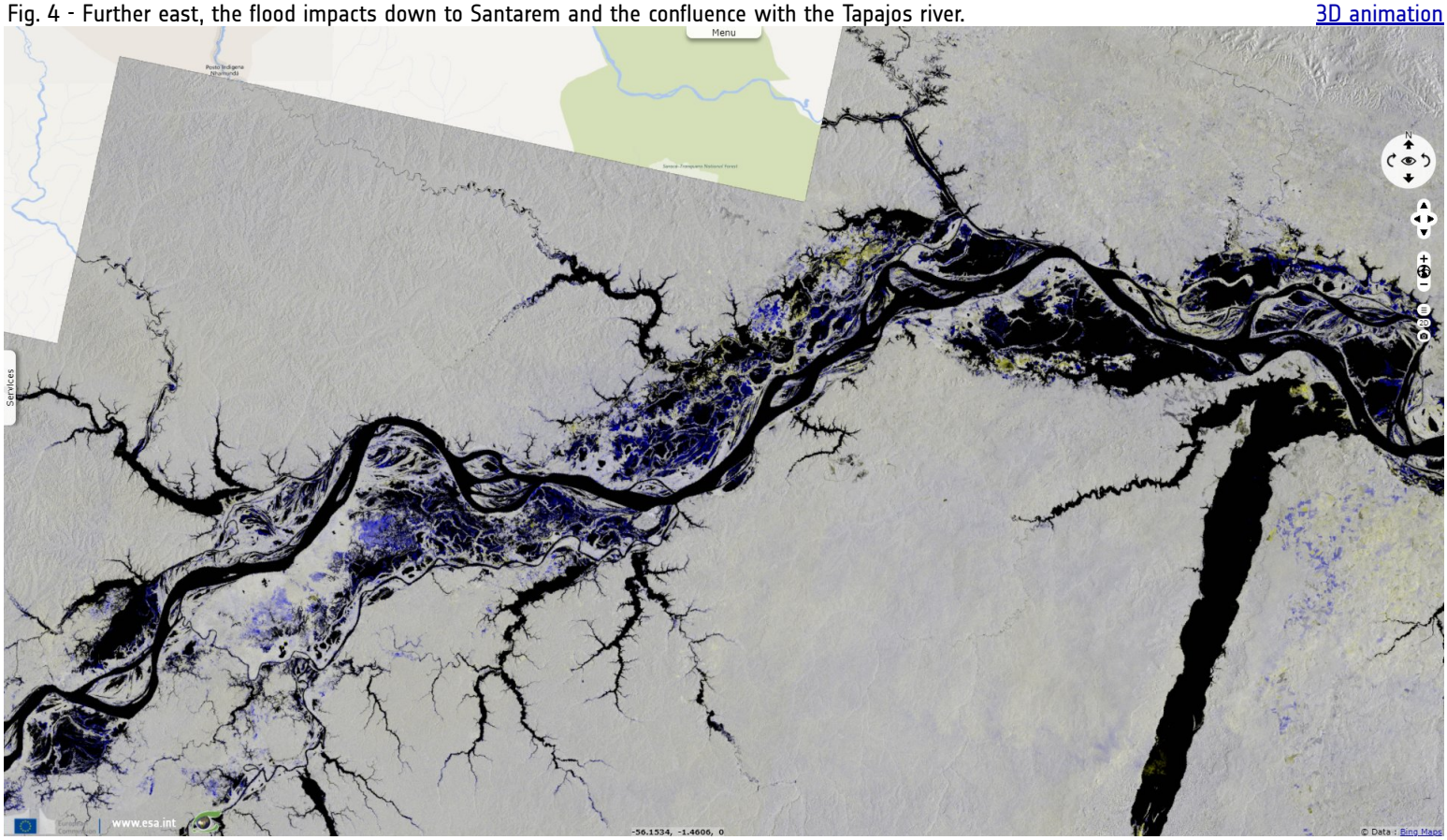
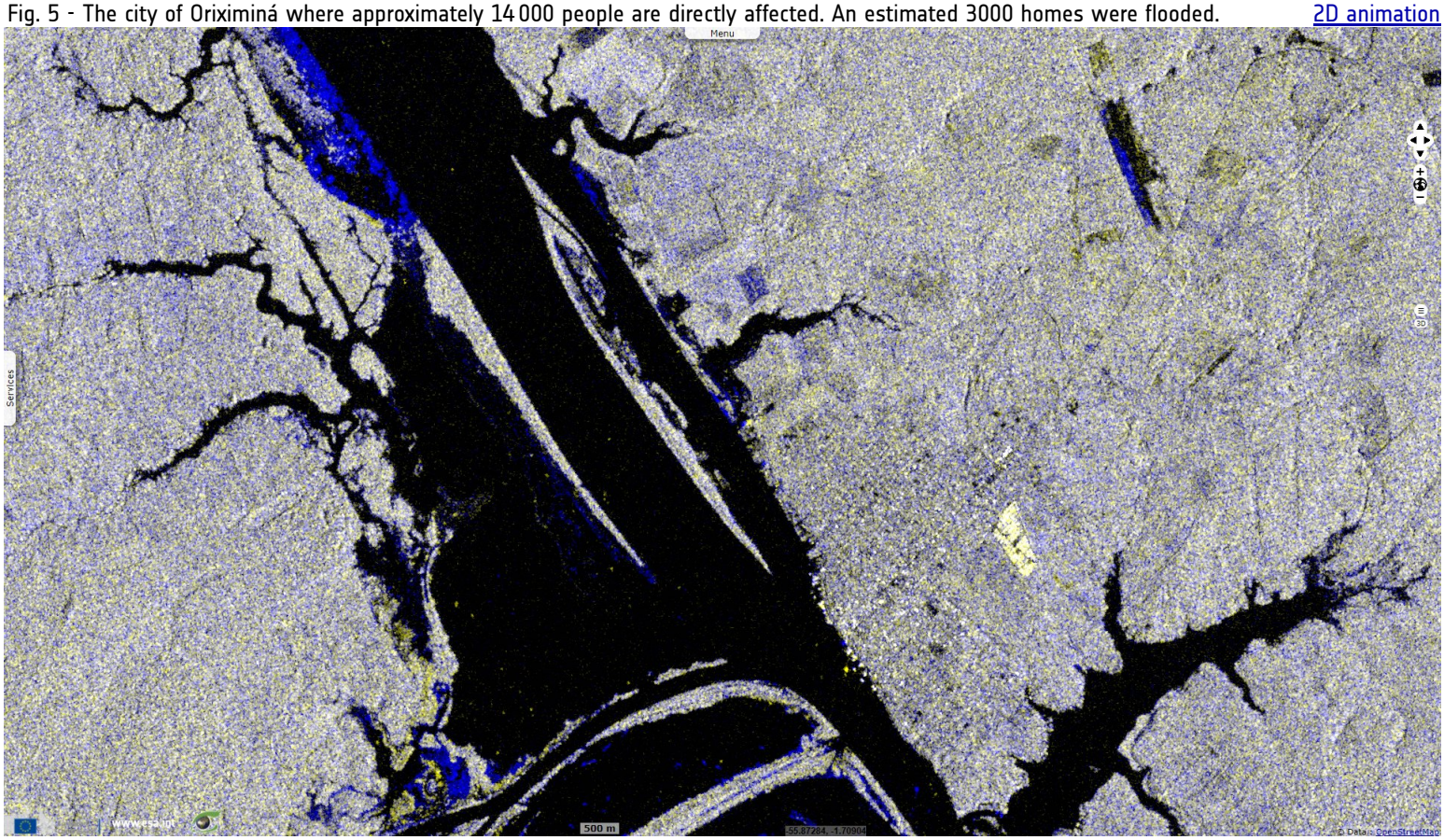


Fig. 5 - The city of Oriximiná where approximately 14 000 people are directly affected. An estimated 3000 homes were flooded. 2D animation



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