Sentinel Vision
SED-822
24 February 2021

2D Layerstack

A flood allows the dry Gascoygne river to reach the sea, Australia

Sentinel-2 MSI acquired on **26 January 2021** at 02:13:51 UTC
Sentinel-2 MSI acquired on **29 January 2021** at 02:32:51 UTC
Sentinel-2 MSI acquired on **08 February 2021** at 02:32:51 UTC
Sentinel-2 MSI acquired on **10 February 2021** at 02:13:49 UTC

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Keyword(s): Hydrology, river, flood, precipitations, water colour, sediments, alluvium, erosion, Australia

Fig. 1 - S2 (29.01.2021) - Gascoyne River is the longest river in Western Australia at 865km. 2D view

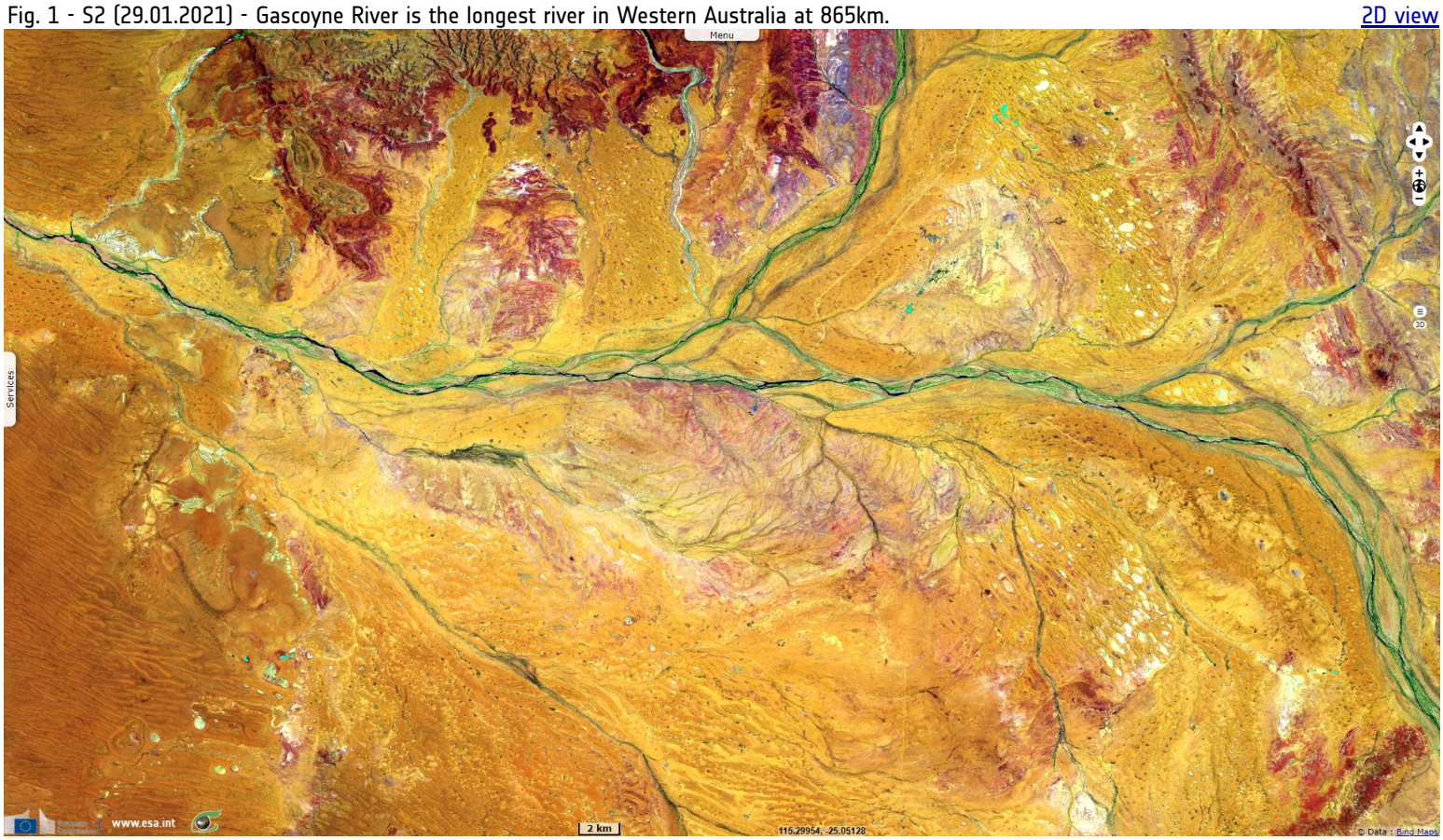

Fig. 2 - S2 (08.02.2021) - Its lower course was dry until precipitations flooded its riverbed. 2D animation 2D view

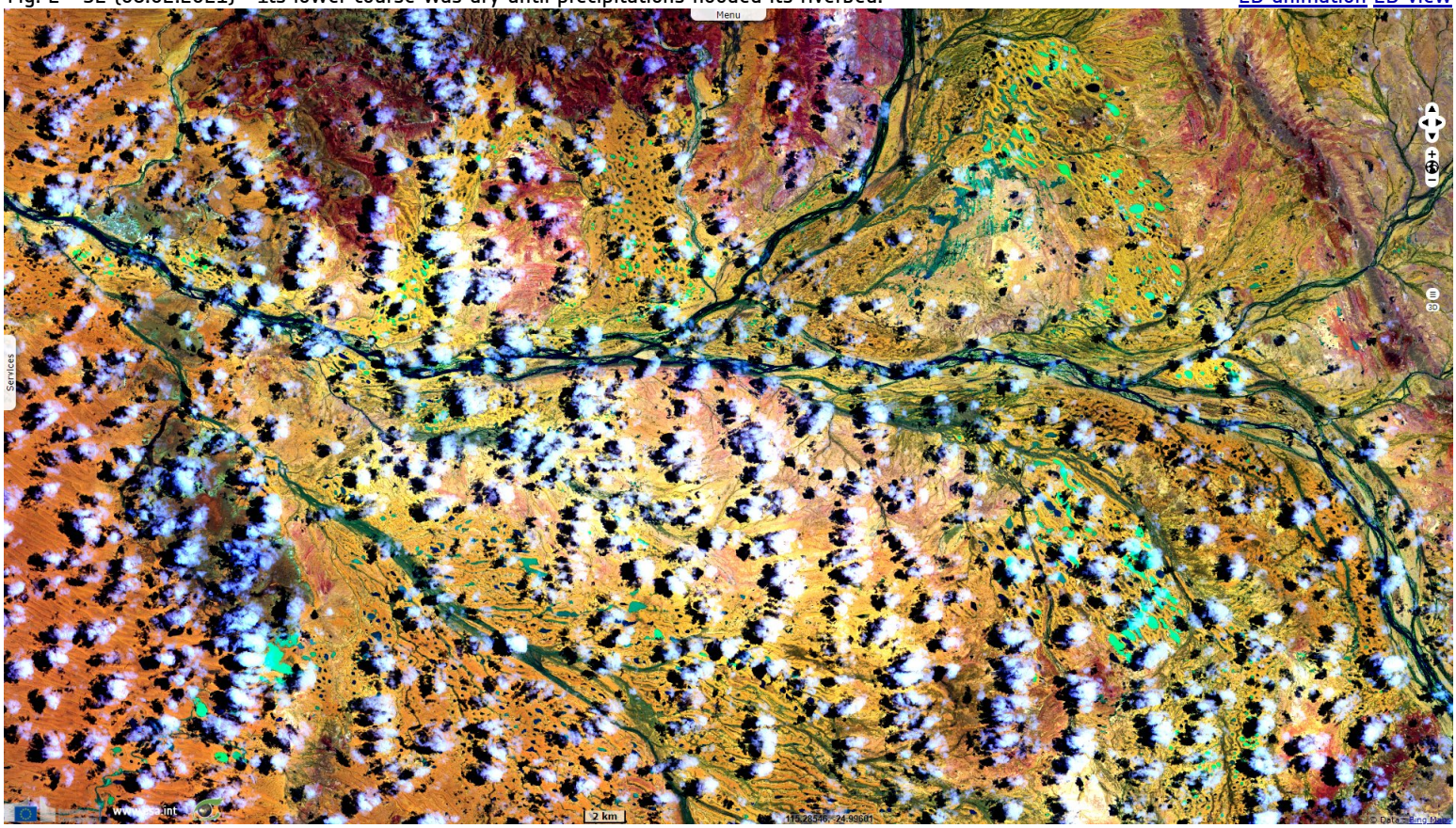

Fig. 3 - S2 (29.01.2021) - It flows for about 120 days of the year and below the dry river bed for the remainder of the year. 2D view

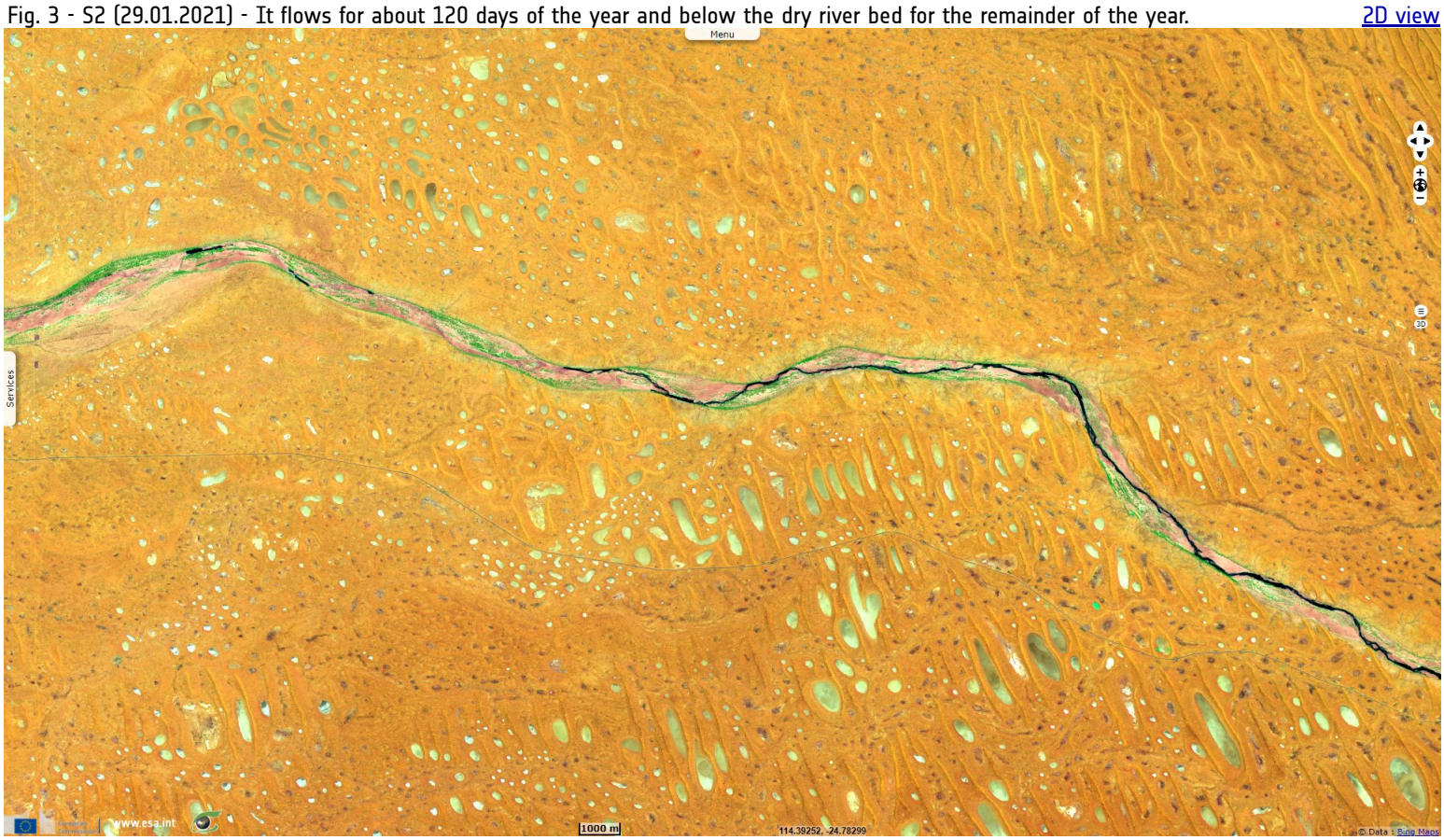

Fig. 4 - S2 (08.02.2021) - It is in effect a huge water storage system with the river's aquifers lying below the desert sands. 2D animation 2D view

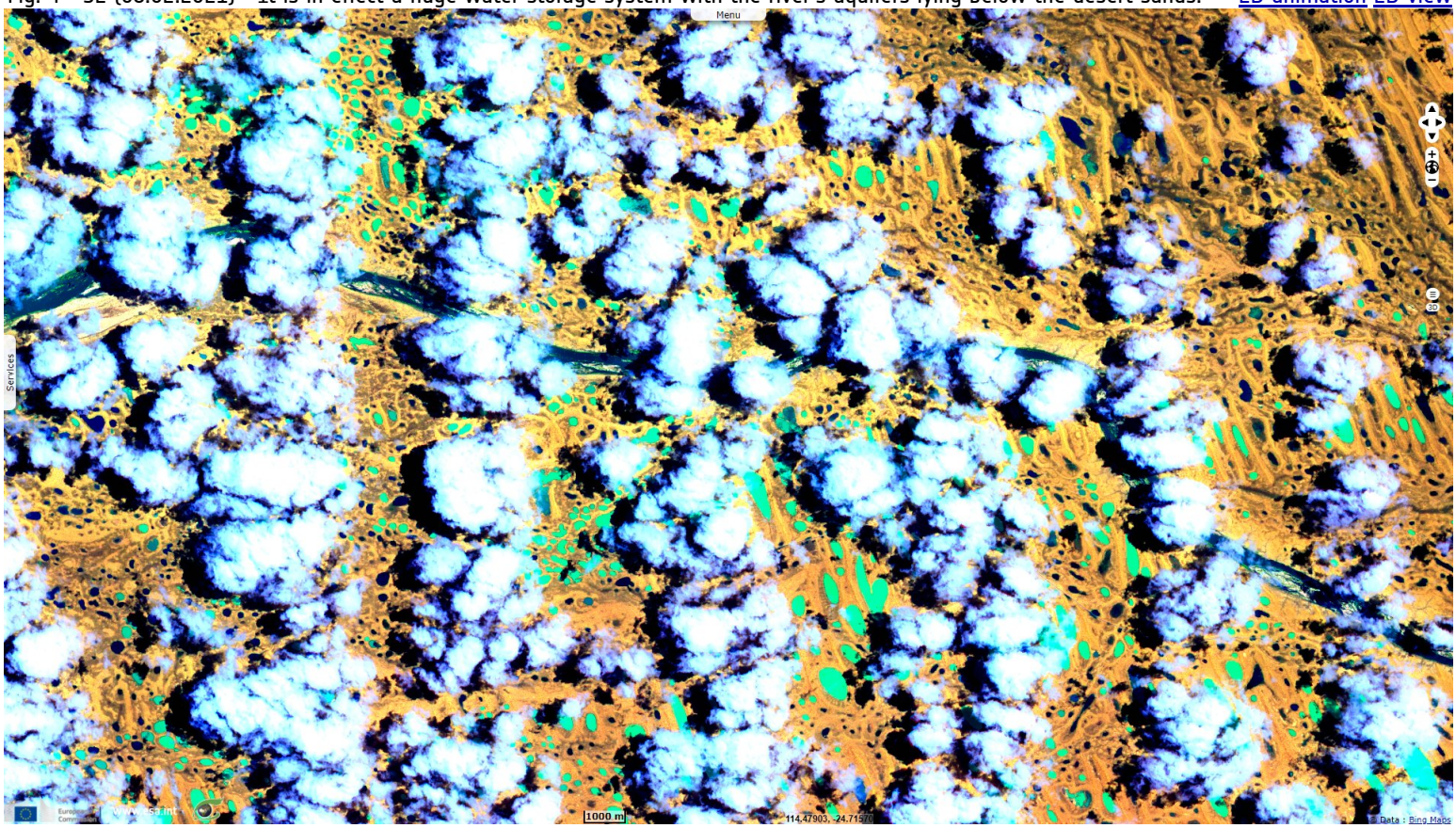

Fig. 5 - S2 (29.01.2021) - The river reaches its mouth as it flows into Shark Bay and the Indian Ocean at Carnarvon. 2D view

Fig. 6 - S2 (08.02.2021) - As it filled its then dried river bed and reached the sea, the Gascoyne river brought a heavy sediment load. 2D animation 2D view

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Funded by the EU and ESA SED-822-SentinelVision powered by VisioTerra