

Upper Jubba & Shabelle rivers in the Ethiopian plateau

Sentinel-3 OLCI FR acquired on **06 December 2017** from 06:56:09 to 06:59:09 UTC
Sentinel-3 OLCI FR acquired on **29 December 2017** from 06:59:54 to 07:02:54 UTC
Sentinel-3 OLCI FR acquired on **22 November 2018** from 06:56:17 to 06:59:17 UTC
Sentinel-3 OLCI FR acquired on **03 February 2019** from 07:03:46 to 07:06:46 UTC

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[2D Layerstack](#)

Fig. 1 - S3 OLCI (22.11.2018) - 10,6,3 colour composite - Jubba & Shabelle rivers are born from the eastern side of the Gregory rift.

[2D view](#)

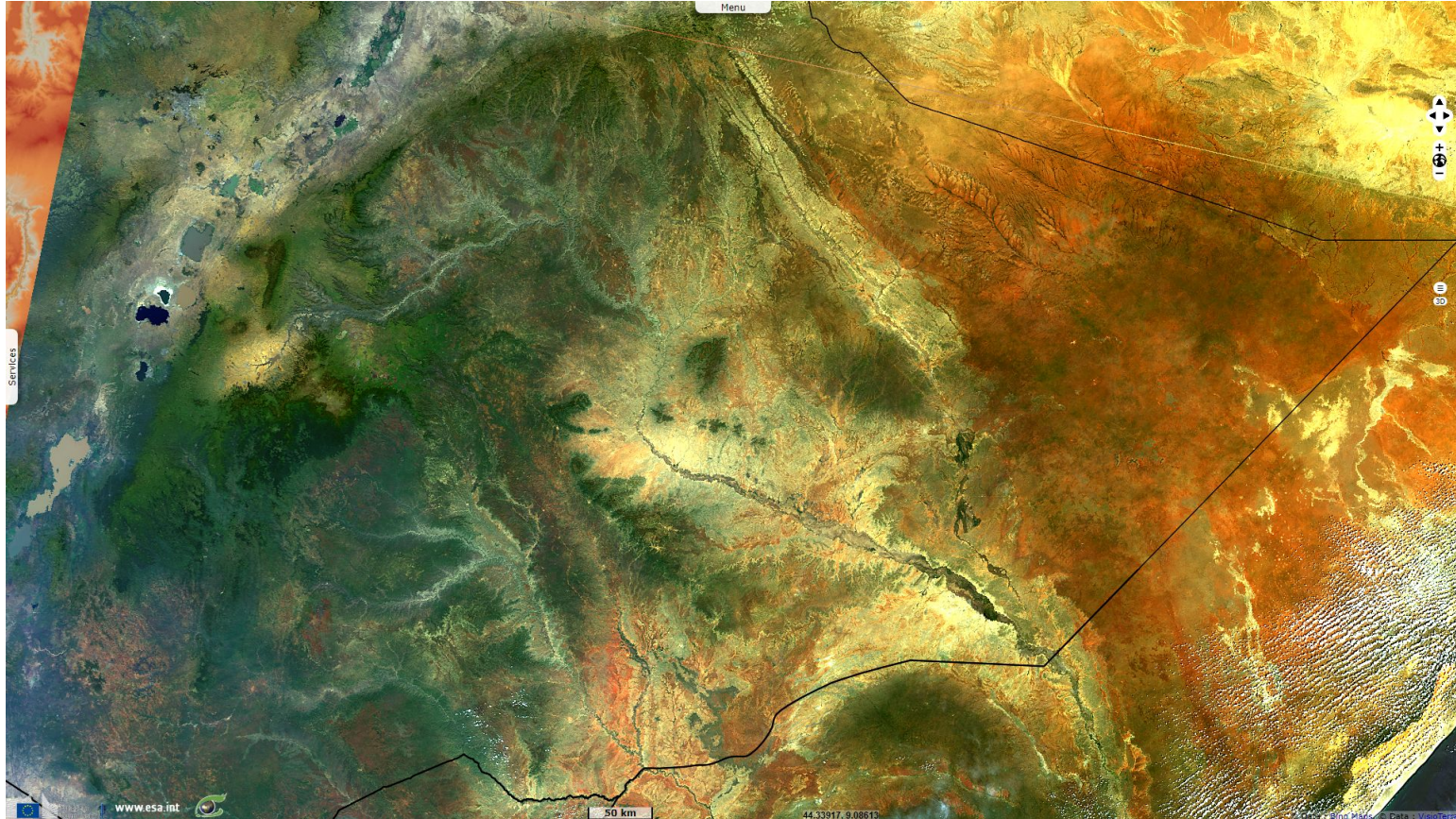
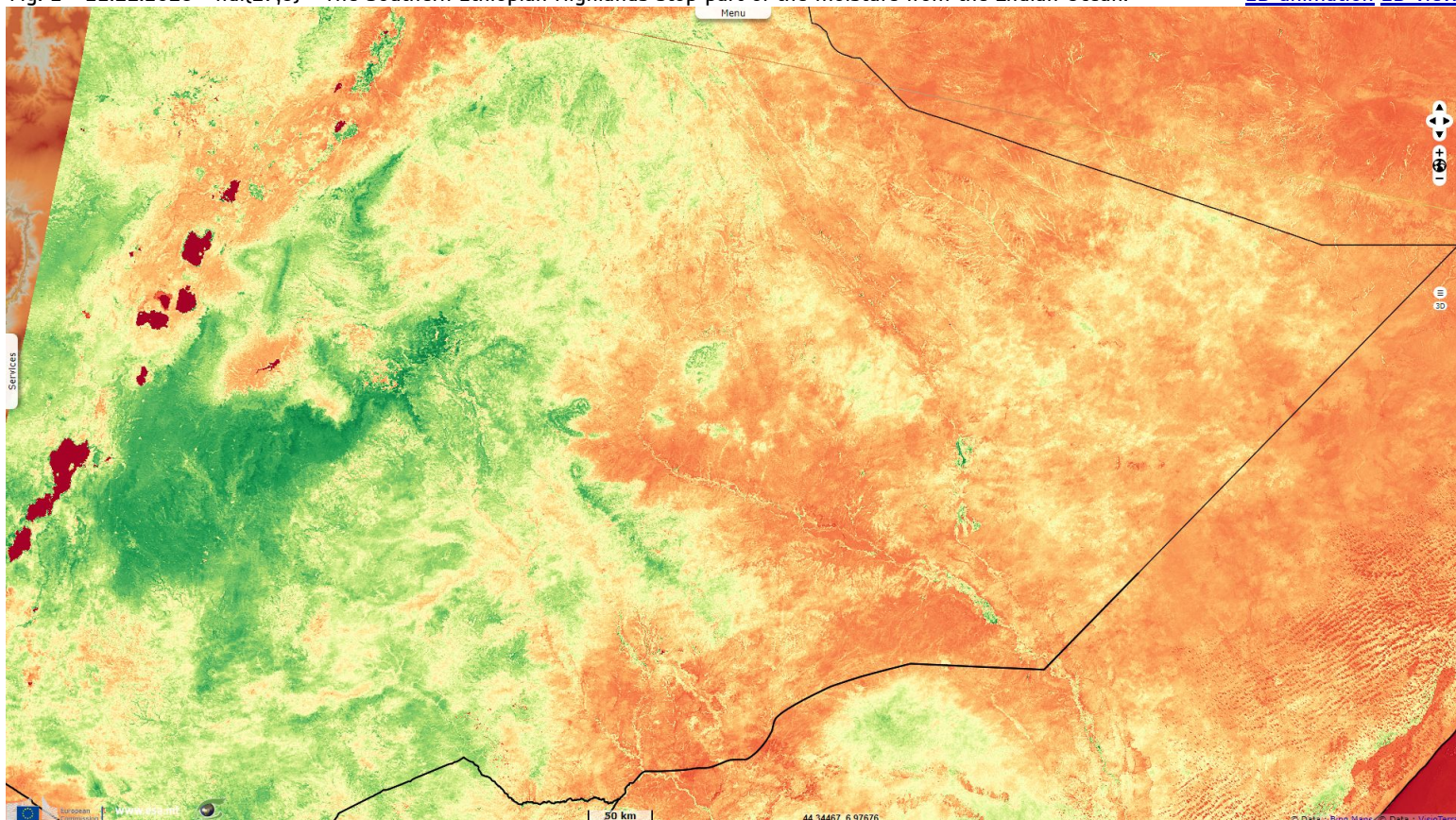


Fig. 2 - 22.11.2018 - ndi(17,8) - The Southern Ethiopian Highlands stop part of the moisture from the Indian Ocean.

[2D animation](#) [2D view](#)



The river discharge and vegetation cover varies wildly along the four seasons, with several wetter months succeeded by several months of draught.

Fig. 3 - 29.12.2017 - These rivers carved deep canyons in the Bale & Ahmar ranges before they weaken in the more arid Somalia.

[2D view](#)

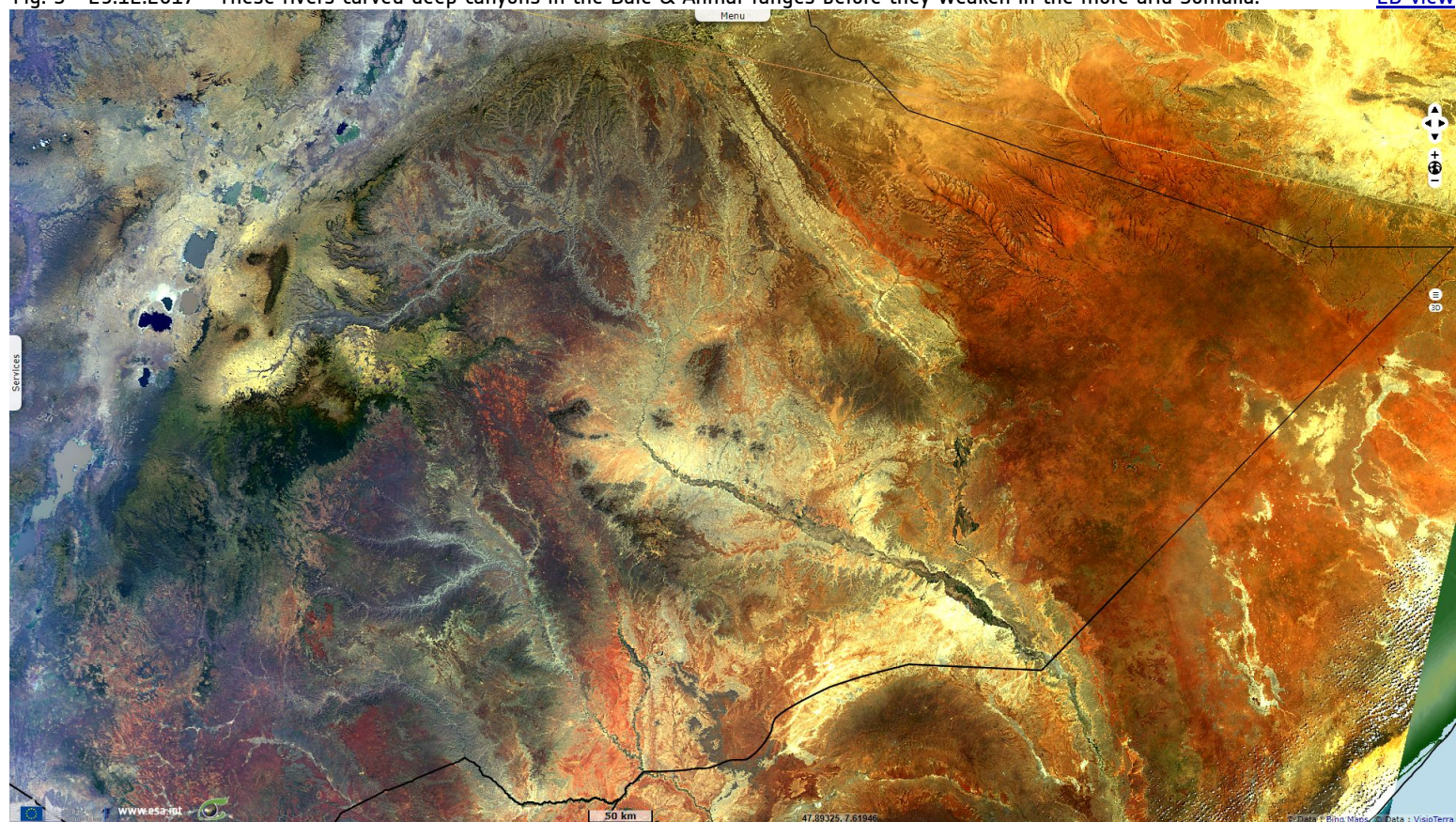
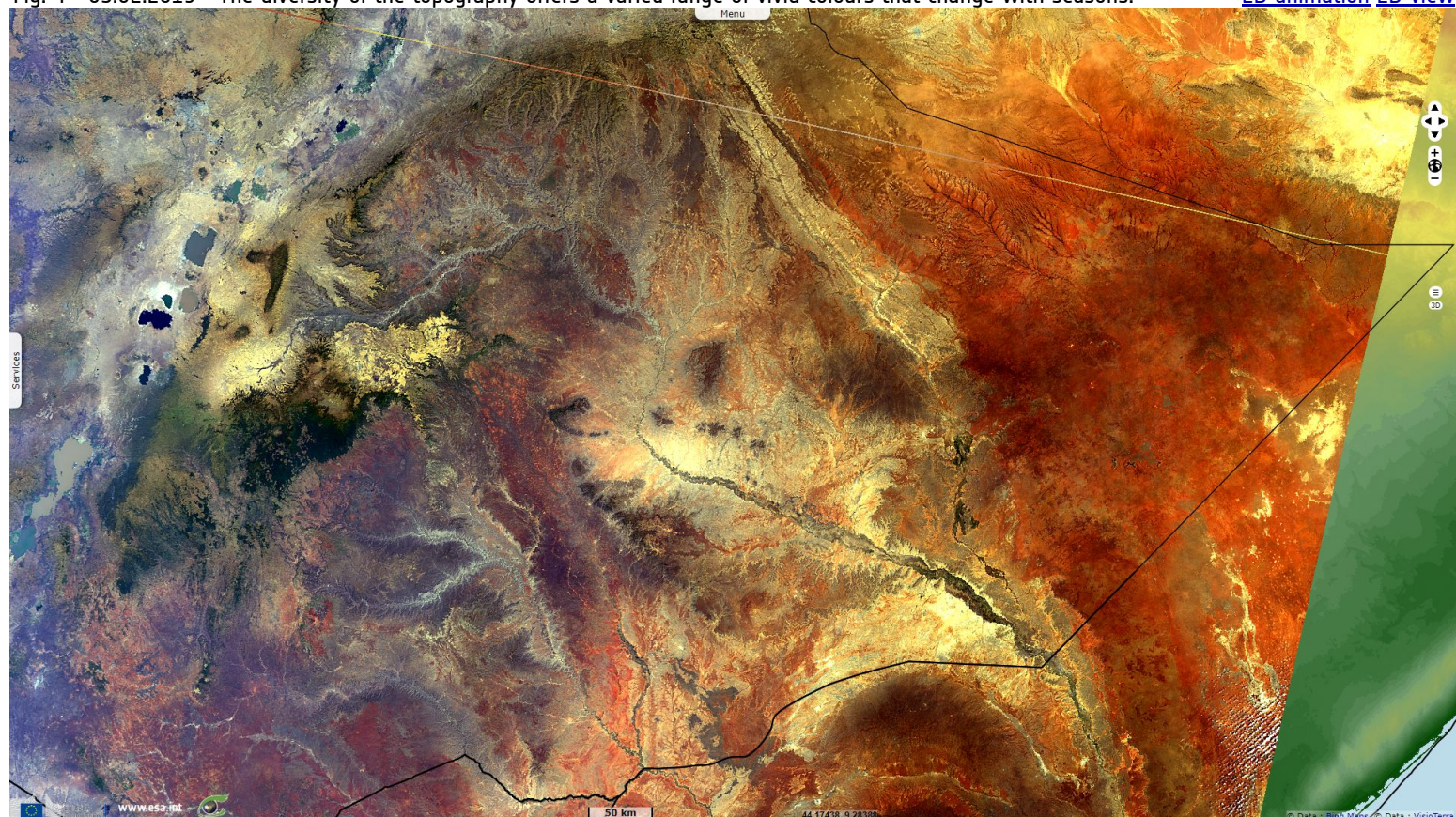














Fig. 4 - 03.02.2019 - The diversity of the topography offers a varied range of vivid colours that change with seasons.

[2D animation](#) [2D view](#)



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