

# Monitoring of wetlands & land degradation in Eastern Africa

Sentinel-3 OLCI LFR & SLSTR RBT acquired on **04 January 2017** from 07:07:22 to 07:13:22 UTC  
Sentinel-3 OLCI LFR acquired on **05 January 2017** at 06:44:11 UTC  
Sentinel-3 OLCI LFR & SLSTR RBT acquired on **07 January 2017** from 07:29:49 to 07:35:49 UTC  
Sentinel-1 CSAR IW acquired on **30 July 2018** at 03:44:23 UTC  
Sentinel-1 CSAR IW acquired on **18 November 2021** at 15:57:11 UTC

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Keyword(s): Mountain range, precipitation, hydrology, vegetation, erosion, Ethiopia, Kenya, Uganda, Rwanda.

Fig. 1 - S3 SLSTR (04 & 07.01.2017) - Land degradation and wetlands in Eastern Africa are monitored under the banner of GMES & Africa. [2D view](#)



Fig. 2 - 2018-2020 - C3S ERA5/Monthly standard deviation - The Ethiopian Highlands receive high but irregular precipitations during the year. - [2D View](#)

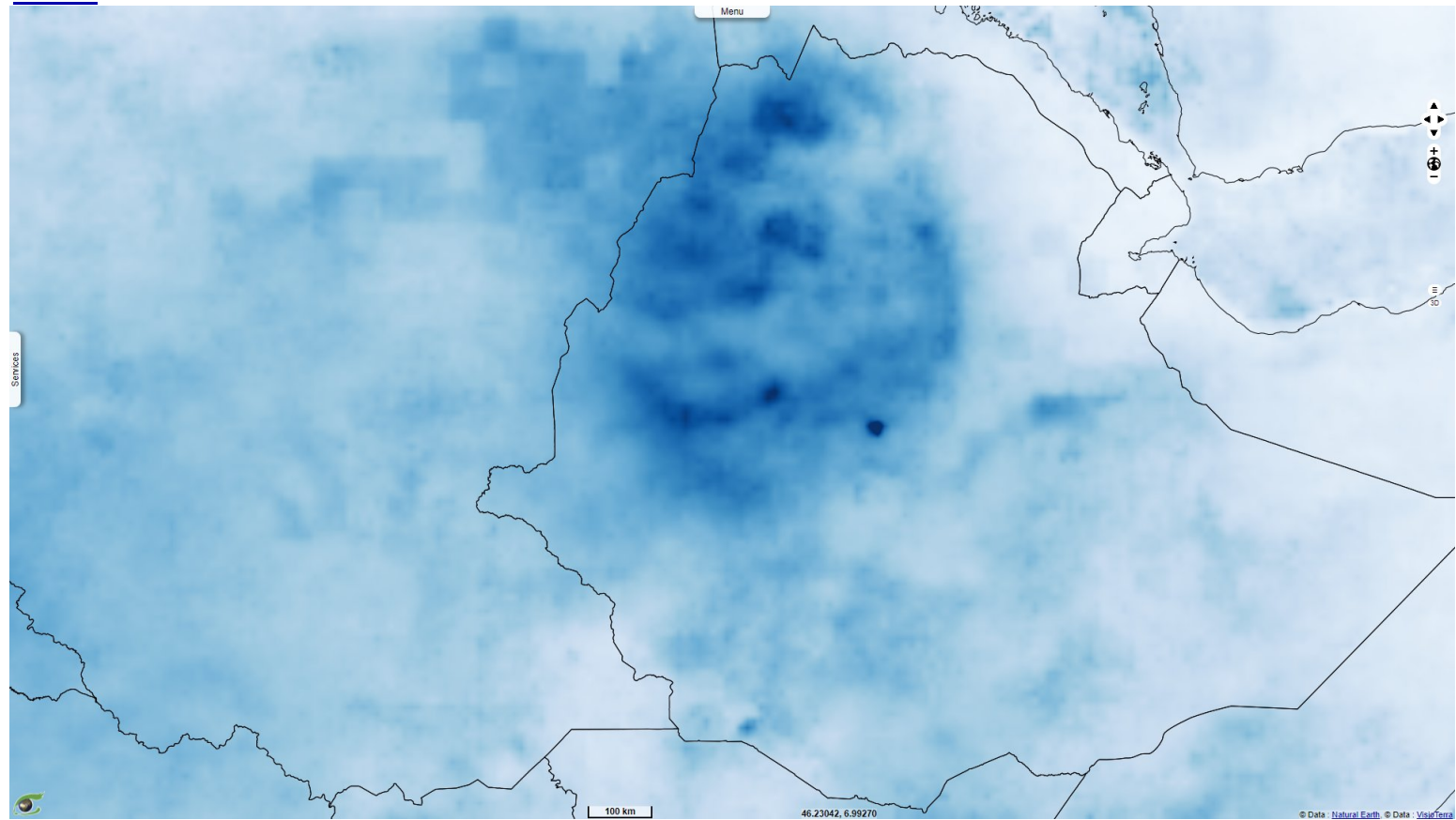


Fig. 3 - COP DEM - Eroded landscape of the Ahmar mountains in the Shebelle river basin. [3D view](#)

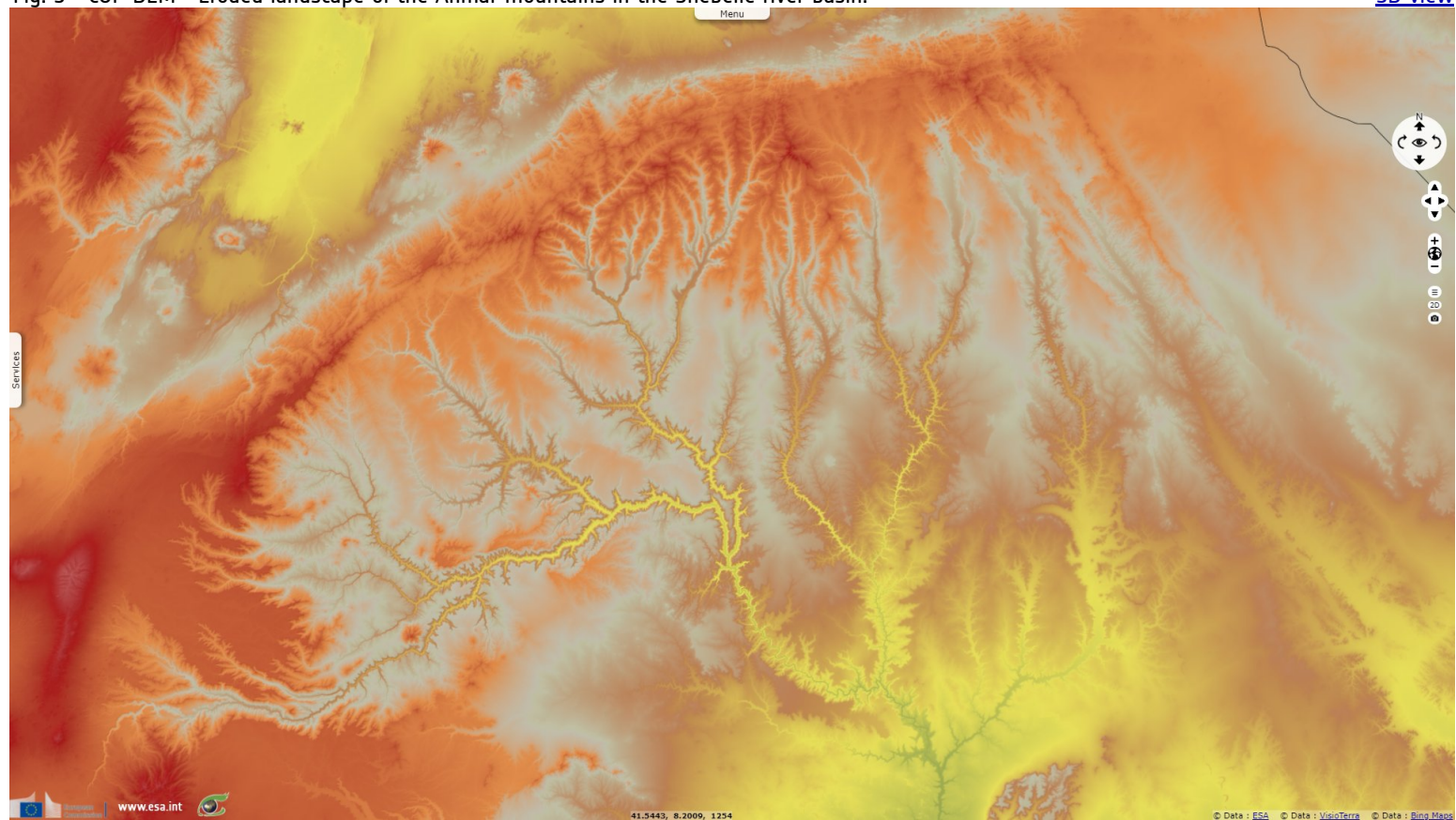


Fig. 4 - S1 (18.11.2021) - Cherang'any Hills in the North West highlands are one of the five important water catchment areas in Kenya. [2D view](#)

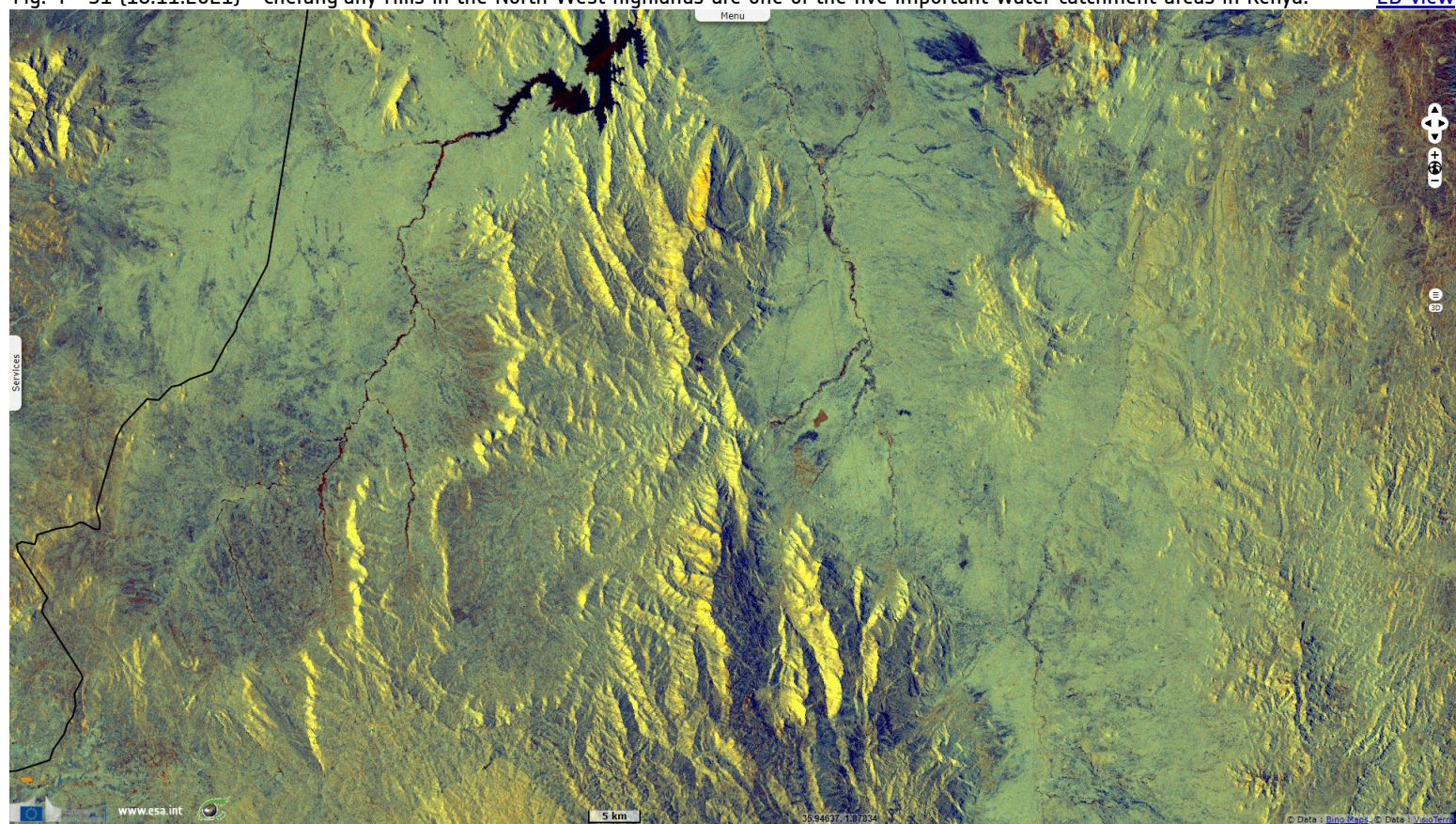


Fig. 5 - COP DEM - Strong slopes in the Ruwenzori range, between Uganda and the DRC. [3D view](#)

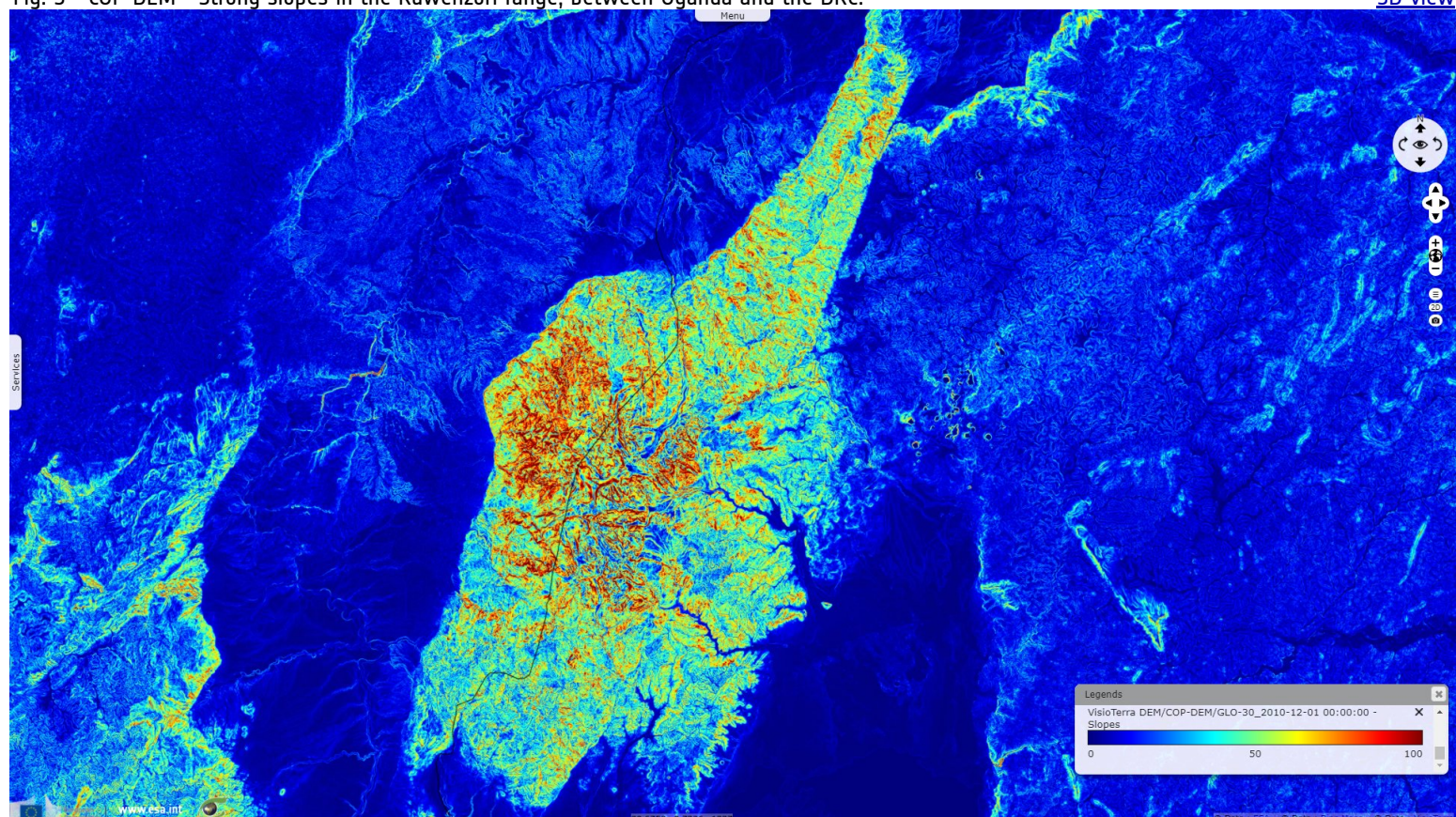
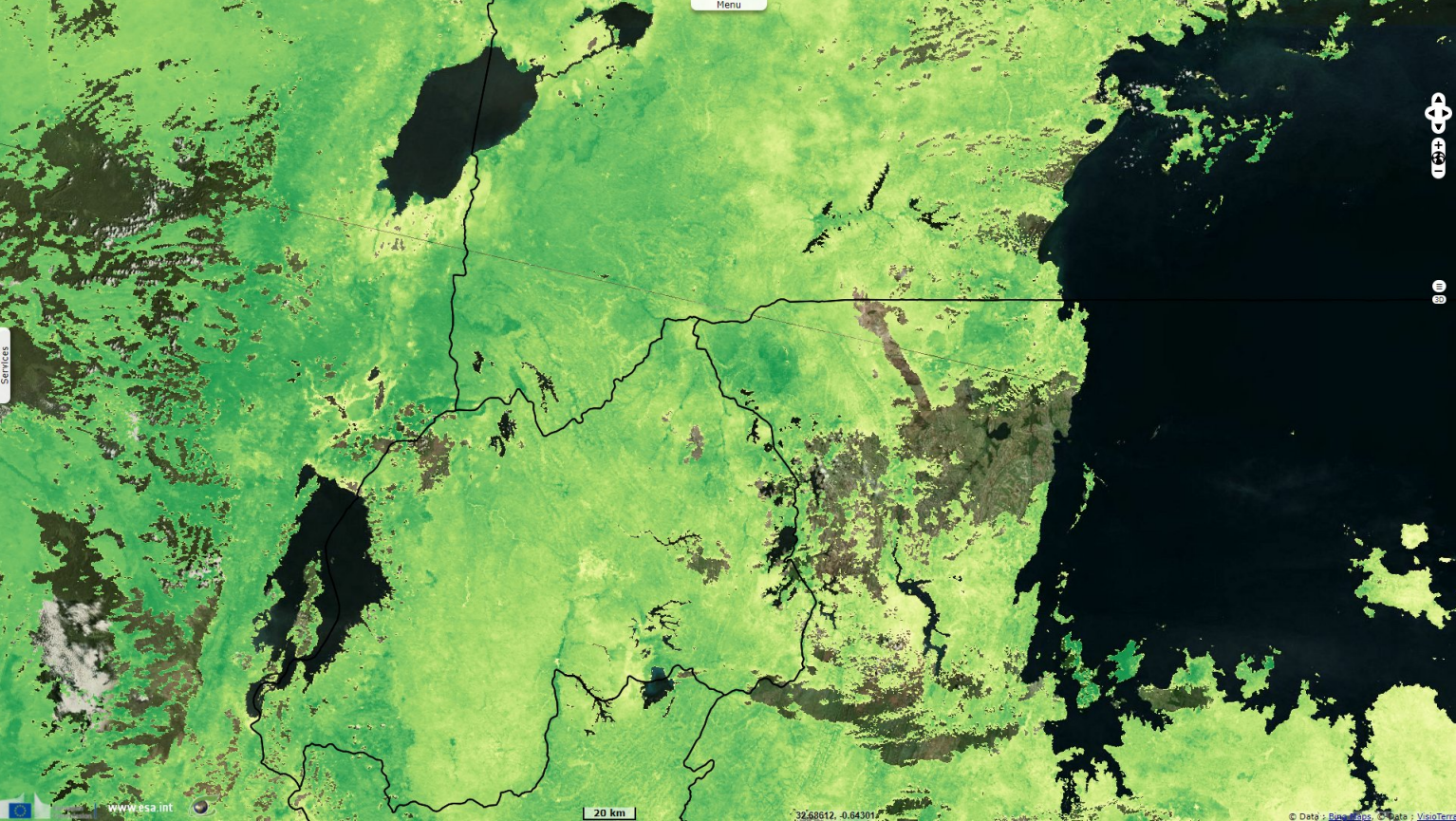


Fig. 6 - S3 OLCI (04, 05 & 07.01.2017) - Global Vegatation Index - Vegetation cover stabilises soil and reduces erosion. [2D view](#)



*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.*

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