

# Large scale Nile-based irrigated agriculture in Sudan

Sentinel-3 SLSTR RBT acquired on 08 March 2019 at 07:48:37 UTC  
Sentinel-3 OLCI FR acquired on 03 June 2019 at 07:54:01 UTC  
Sentinel-3 SLSTR RBT acquired on 02 September 2019 at 07:33:41 UTC  
Sentinel-3 OLCI FR acquired on 25 September 2019 at 07:37:29 UTC

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Keyword(s): Land, hydrology, vegetation, irrigated agriculture, food security, flooding, dam, sediments, alluvium, Nile river, Sahara desert, Sudan



[2D Layerstack](#)

Fig. 1 - S3 SLSTR (02.09.2019) - The East-African monsoon rejuvenates vegetation in otherwise dry areas.

[2D view](#)

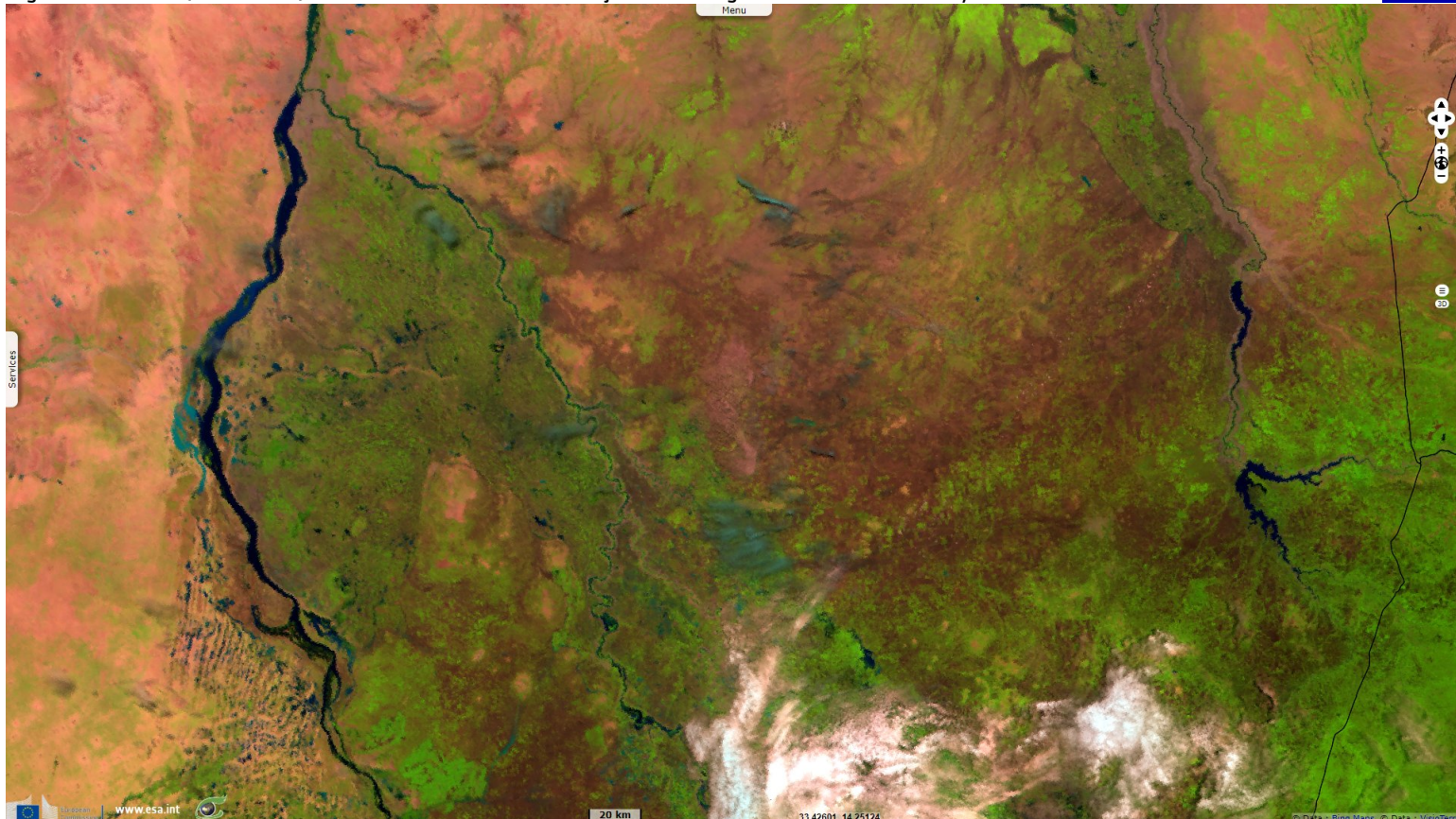


Fig. 2 - S3 OLCI (25.09.2019) - The yearly Nile high waters allow large scale irrigation in Sudan far from the dam lakes at east.

[2D view](#)

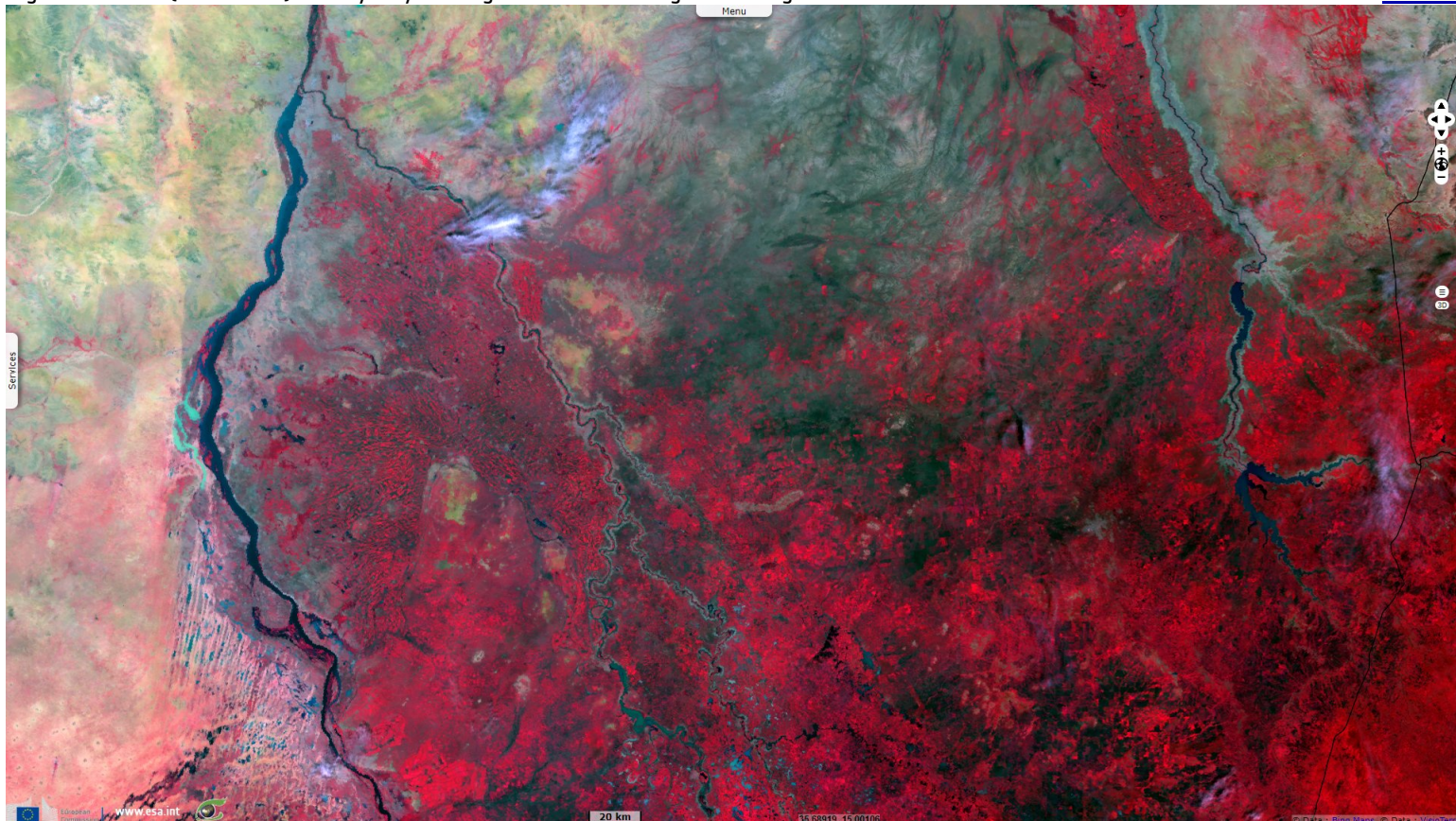




Fig. 3 - S3 SLSTR (08.03.2019) - In March, green areas are irrigated cropland. The largest, Gezira Scheme, lies just upstream of Khartoum. [2D view](#)

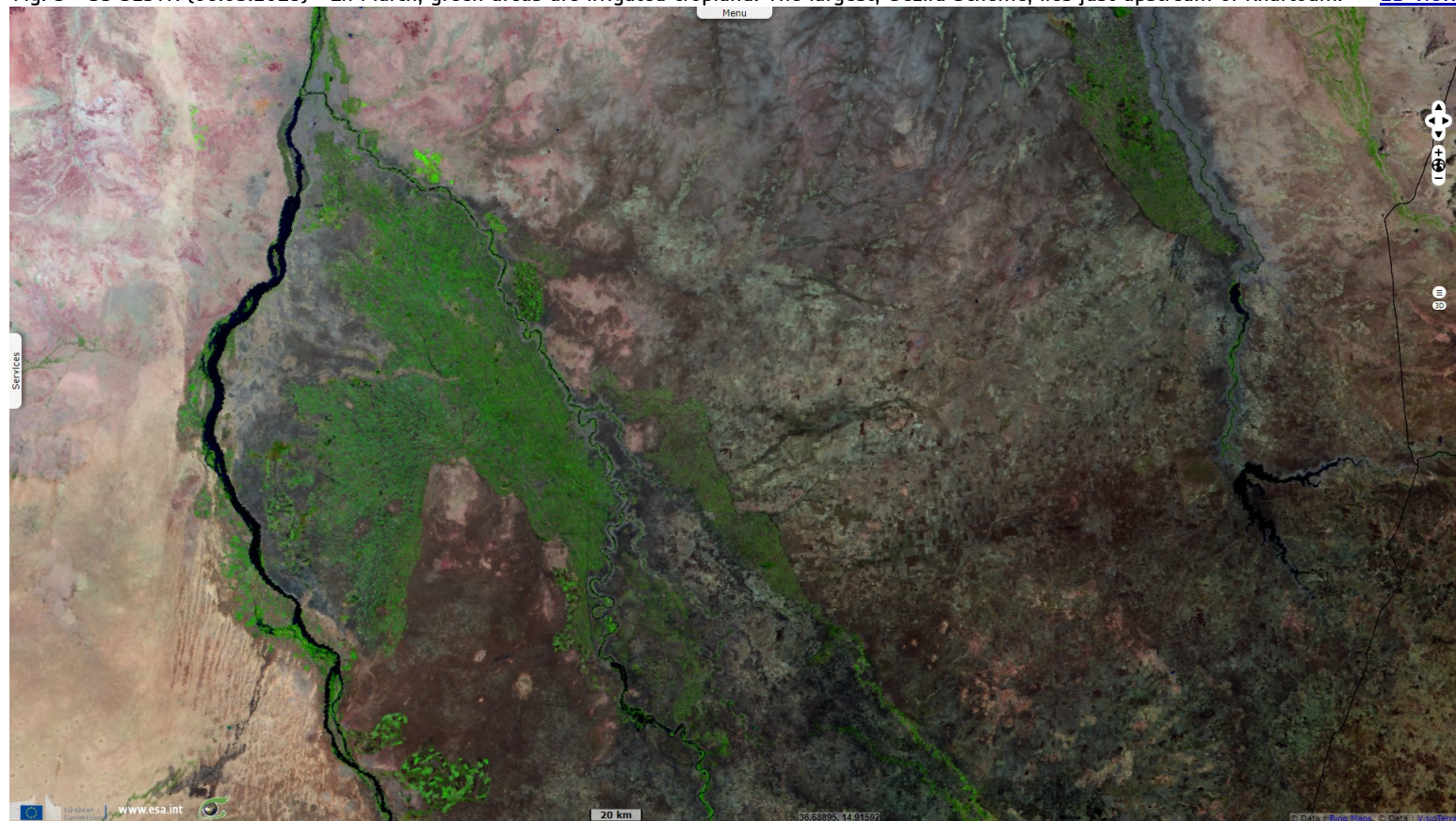
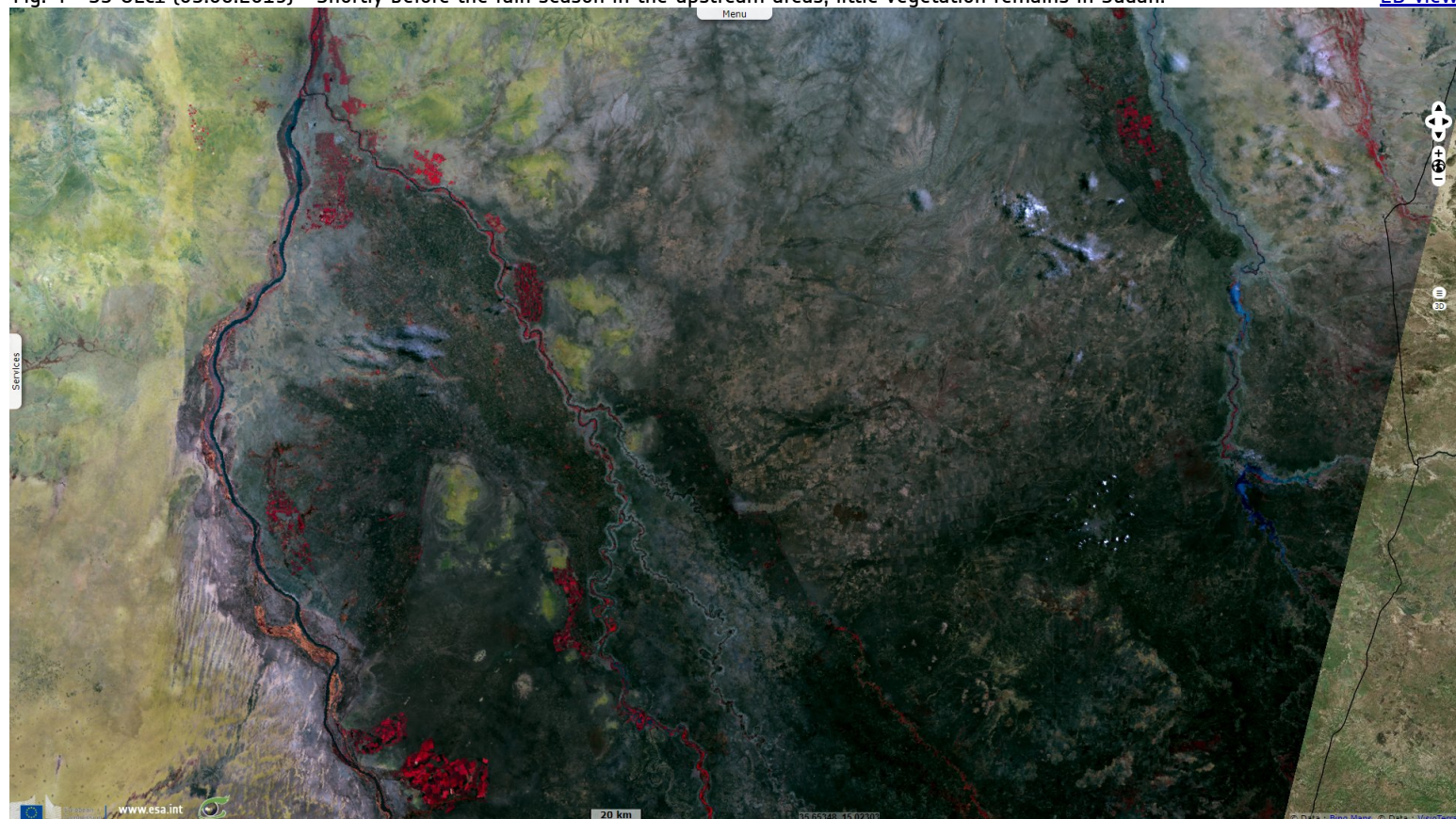


Fig. 4 - S3 OLCI (03.06.2019) - Shortly before the rain season in the upstream areas, little vegetation remains in Sudan. [2D view](#)



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