

Progressive improvements in Sentinel-1 processing showcased over Alger

Sentinel-1 CSAR IW acquired on 21 April 2019 from 05:53:55 to 05:54:20 UTC
Sentinel-1 CSAR IW acquired on 22 April 2019 from 05:44:55 to 05:45:45 UTC

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[3D Layerstack](#)

Fig. 1 - S1 [21 & 22.04.2019] - vv,vh,vv colour composite - Alger region shown in 2D with an automatic stretching using S1 raw reprojection. [2D view](#)

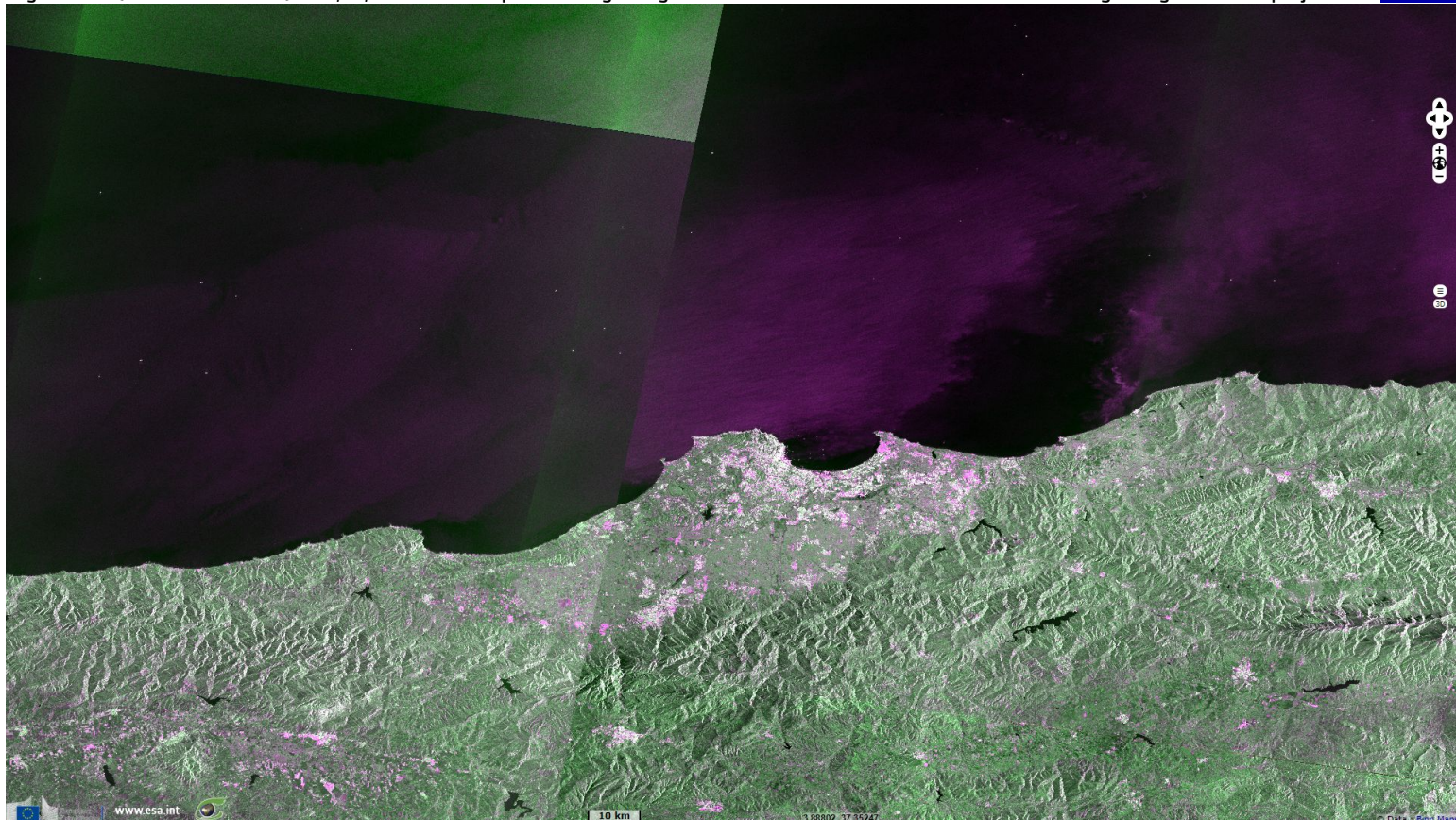


Fig. 2 - vv,vh,ndi(vh,vv) colour composite - 3D view using a linear stretching to ensure continuity. [3D view](#)

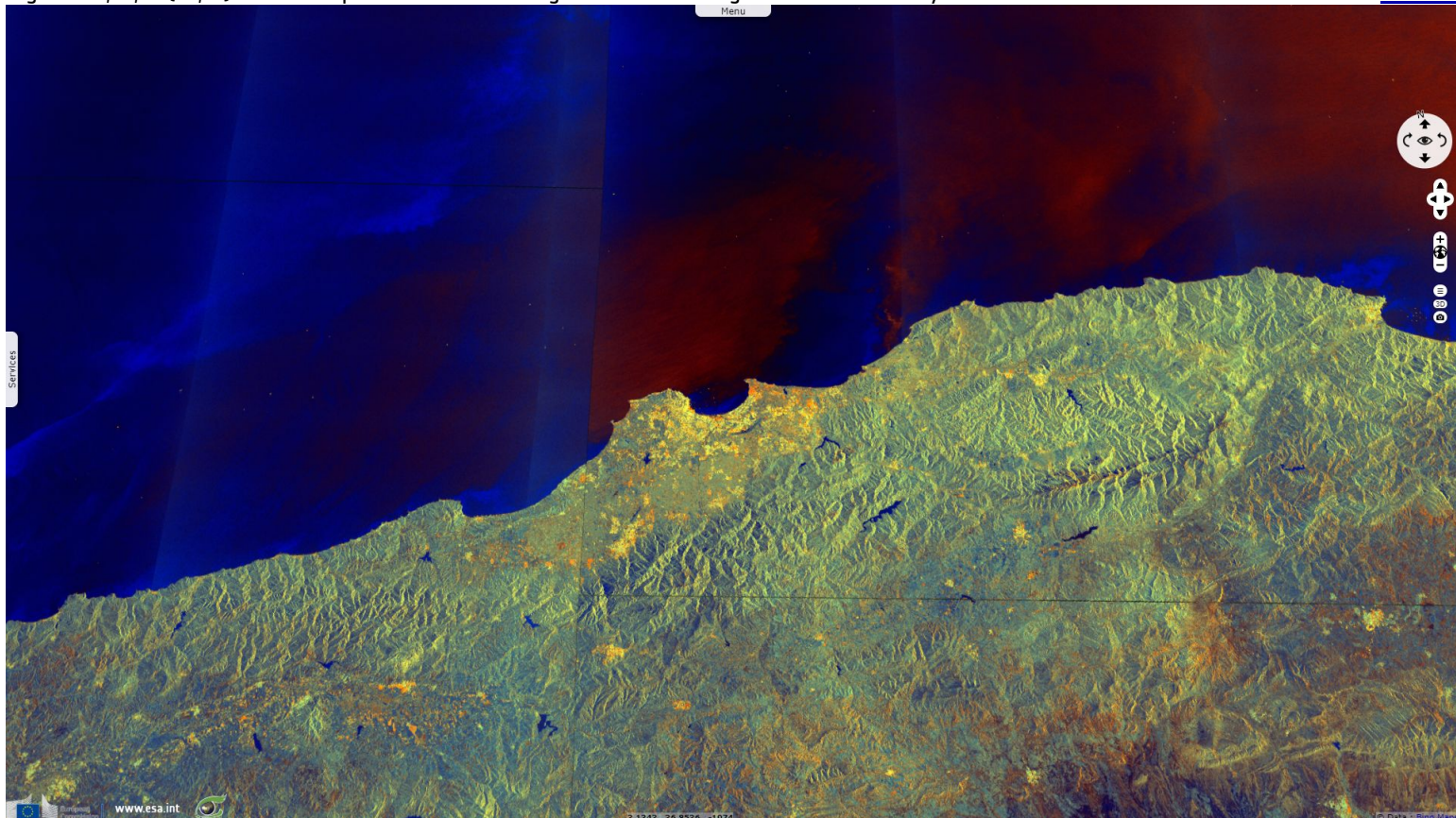


Fig. 3 - σ_0 processing, GEBCO altimetry/bathymetry - A land/sea mask is applied on orthorectified images to process differently land & sea. [3D view](#)

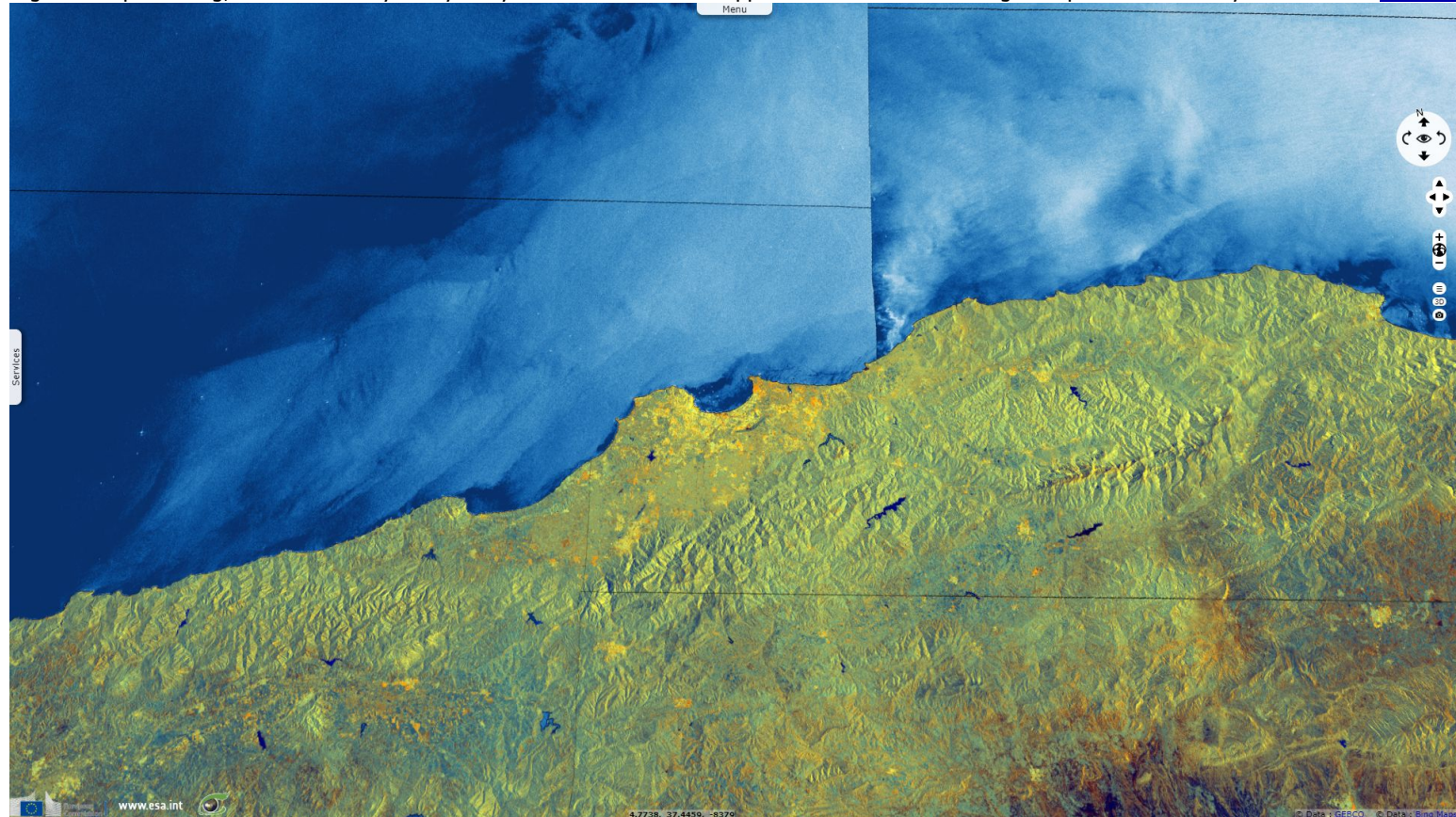
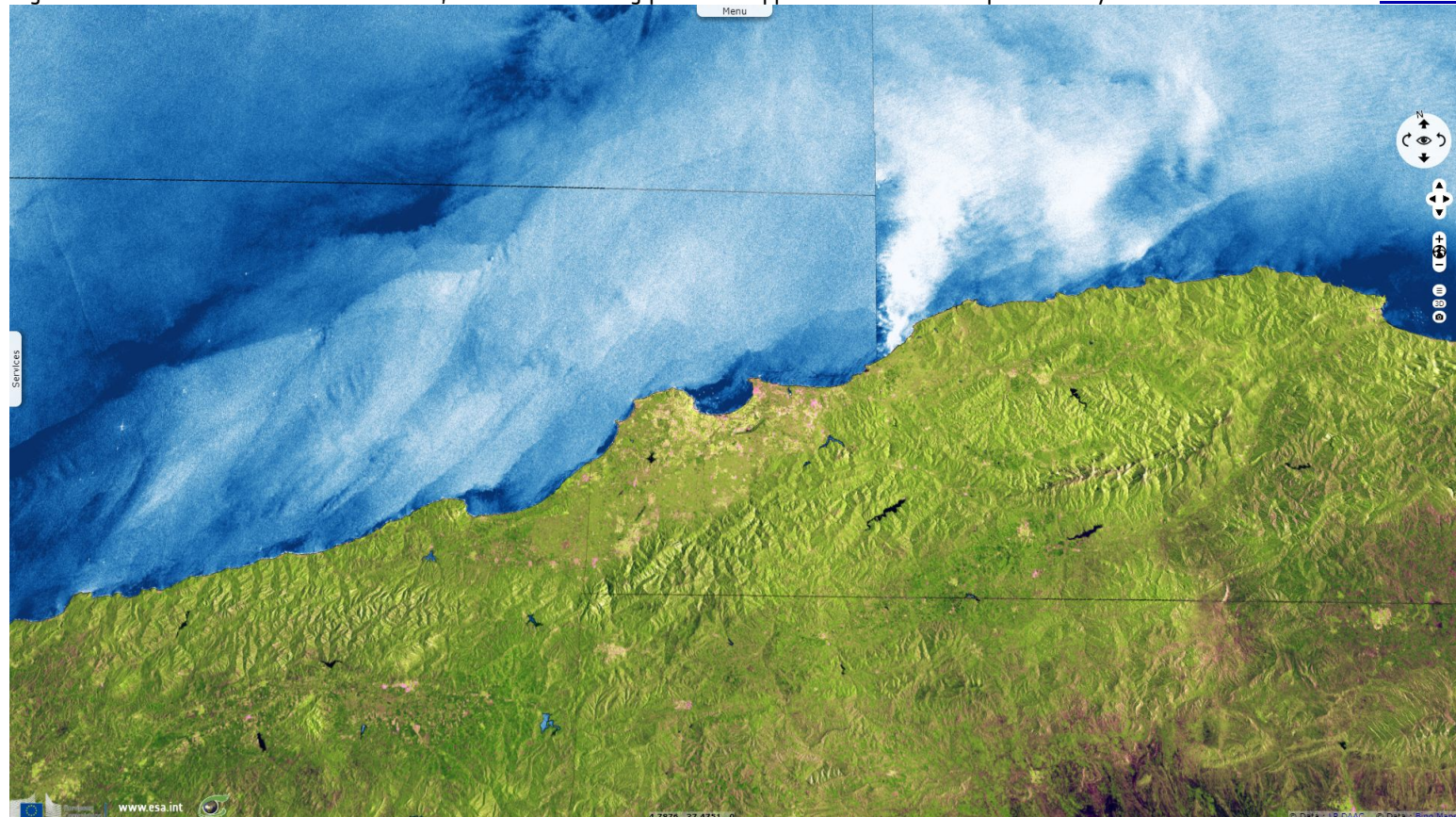


Fig. 4 - The finer STRM DEM is used on land, a column stretching process is applied on the sea to improve the dynamic. [3D view](#)



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