

# Sentinel-2 reveals the hidden colours of desert south-west Arizona, USA

Sentinel-2 MSI acquired on 16 August 2019 at 18:09:21 UTC

Author(s): Sentinel Vision team, VisioTerra, France - [svp@visioterra.fr](mailto:svp@visioterra.fr)

Keyword(s): Land, hydrology, desert, reg, erosion, alluvial cones, USA, United States

[3D Layerstack](#)

Fig. 1 - S2 (16.08.2019) - 11,8,2 colour composite - SW Arizona near Yuma between what remains of Colorado (west) & Gila (south) rivers. [2D view](#)

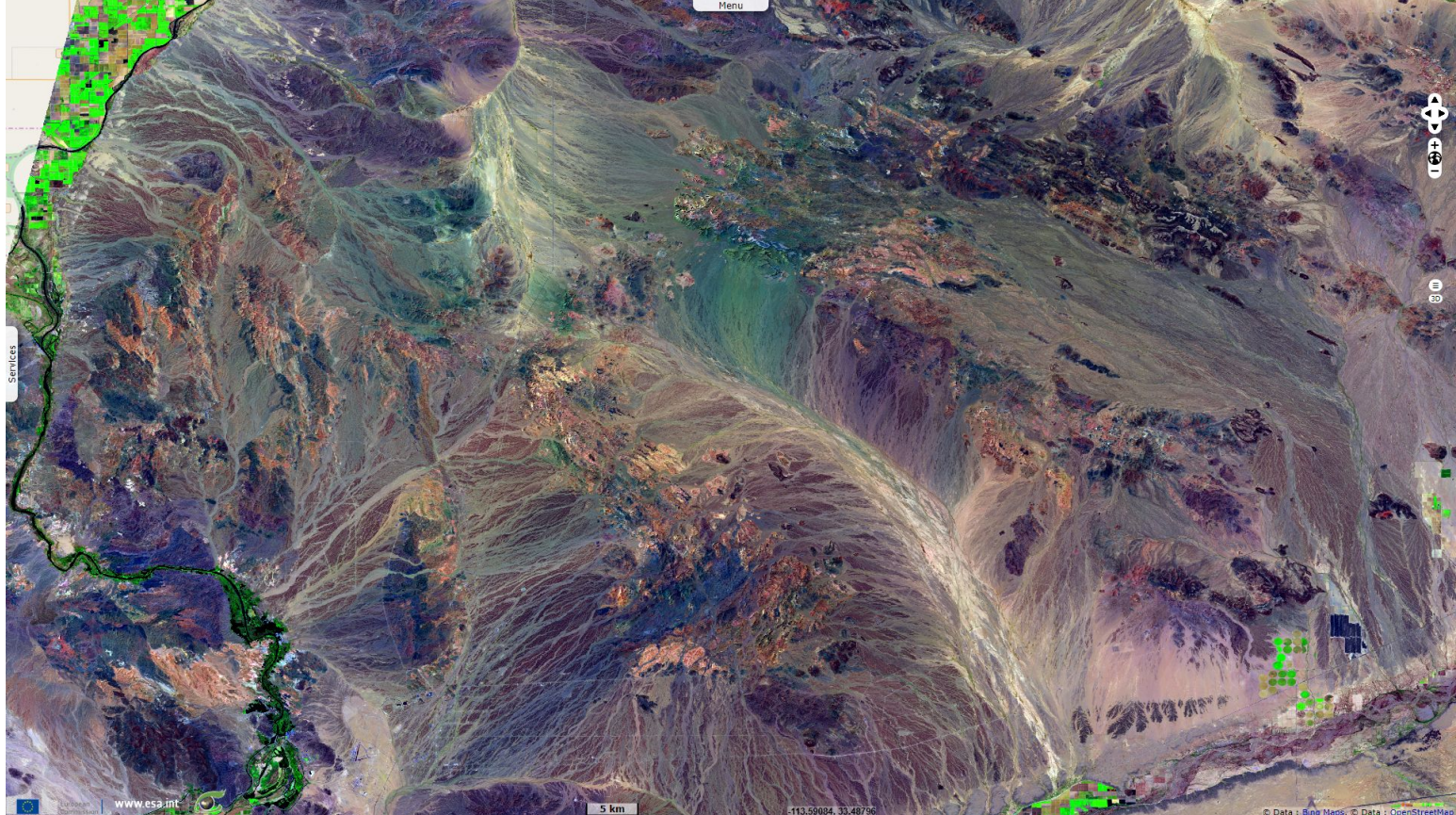
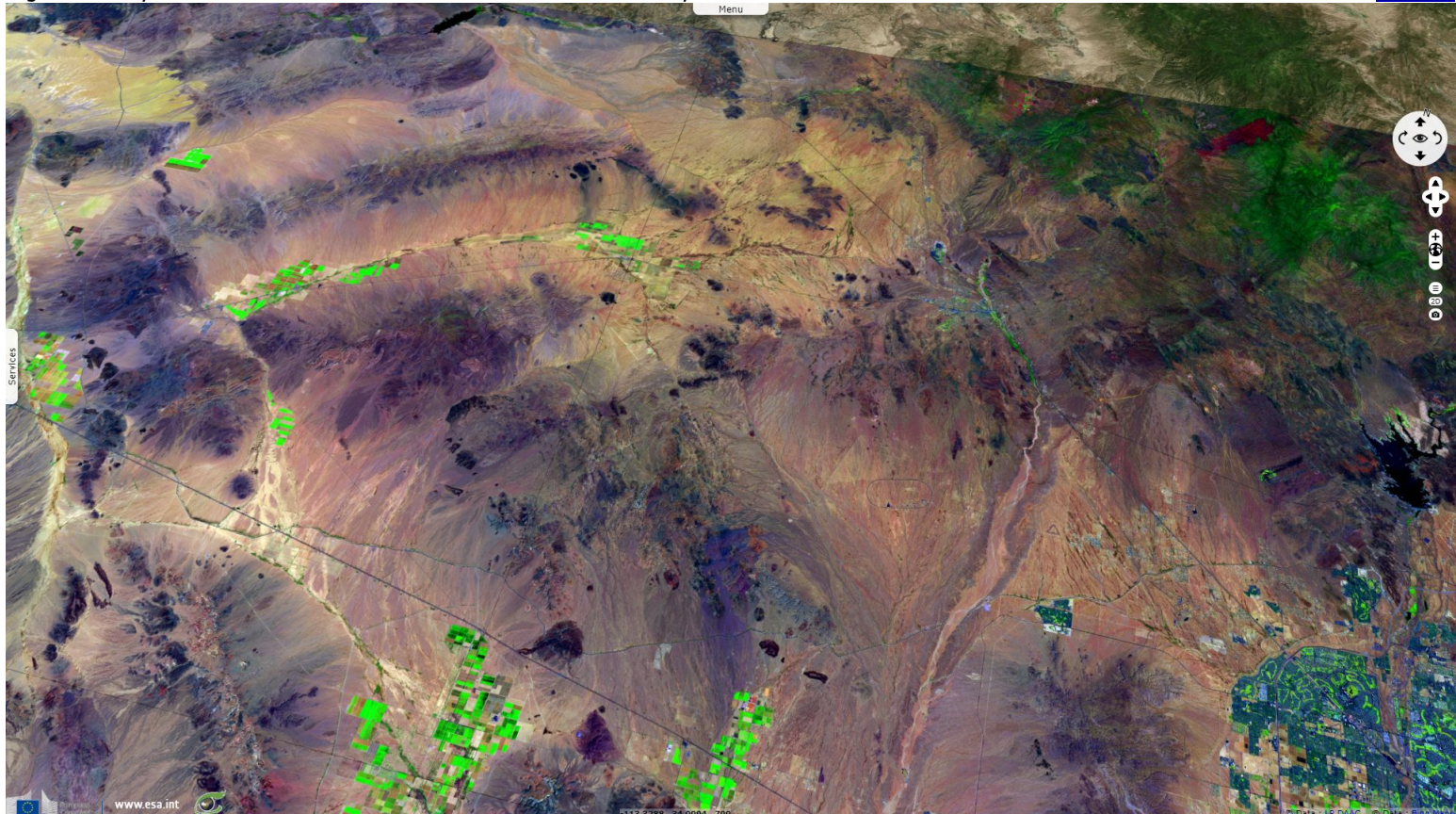


Fig. 2 - Variety of colours between Phoenix (south-east) and the sandy Cactus wilderness area (north-west). [3D view](#)





While the south-west of Arizona shows mostly in shades of brown contrasted by the hydrographic network and the occasional mine, NIR & SWIR bands show a richer colour palette.

Fig. 3 - From soft transitions to stark contrasts, the painter of this scene used a lot of colours.

[3D view](#)

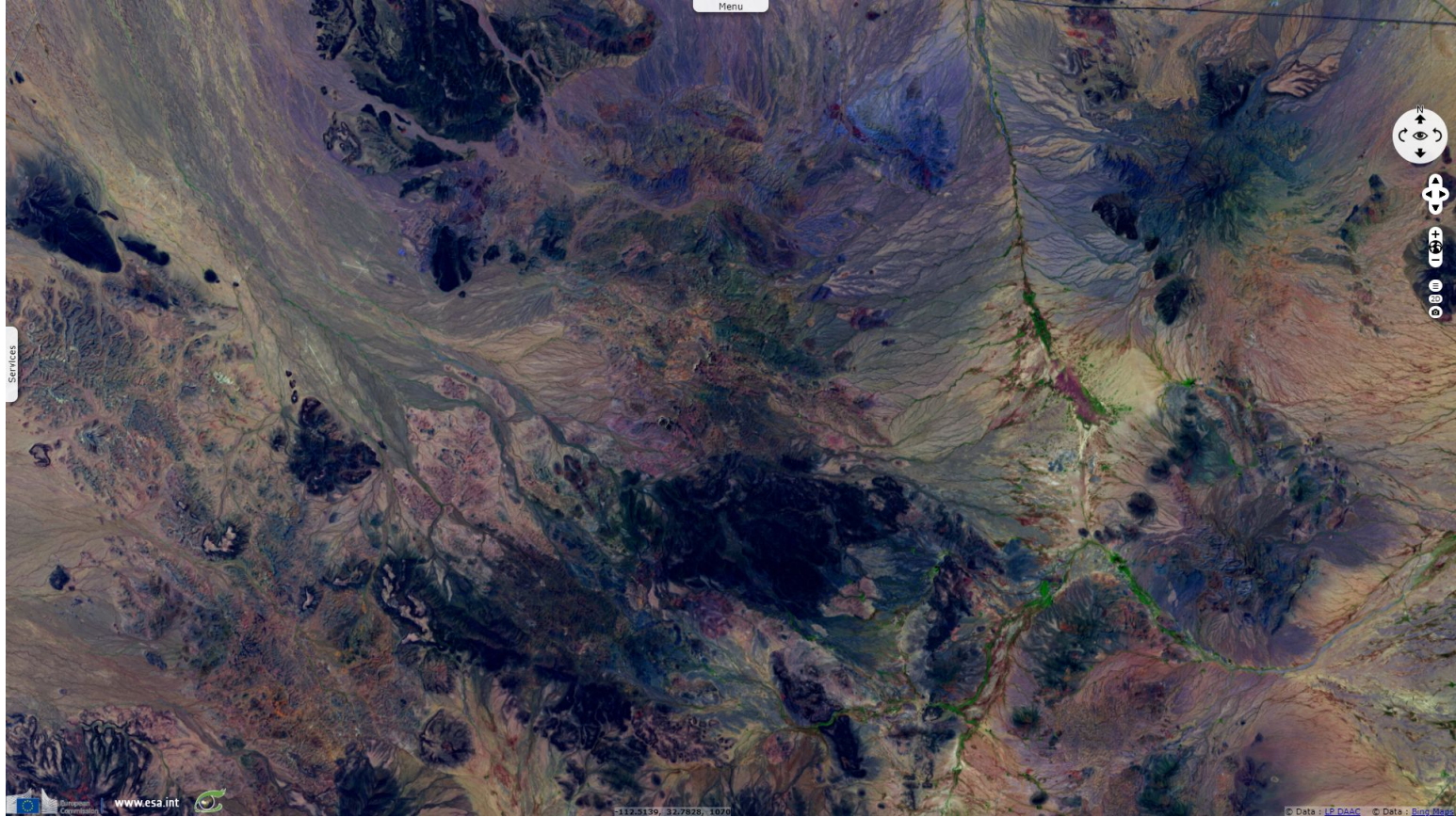


Fig. 4 - Zoom in on a detail where colours mesh together more smoothly while covering a large swath of the available hues.

[3D view](#)

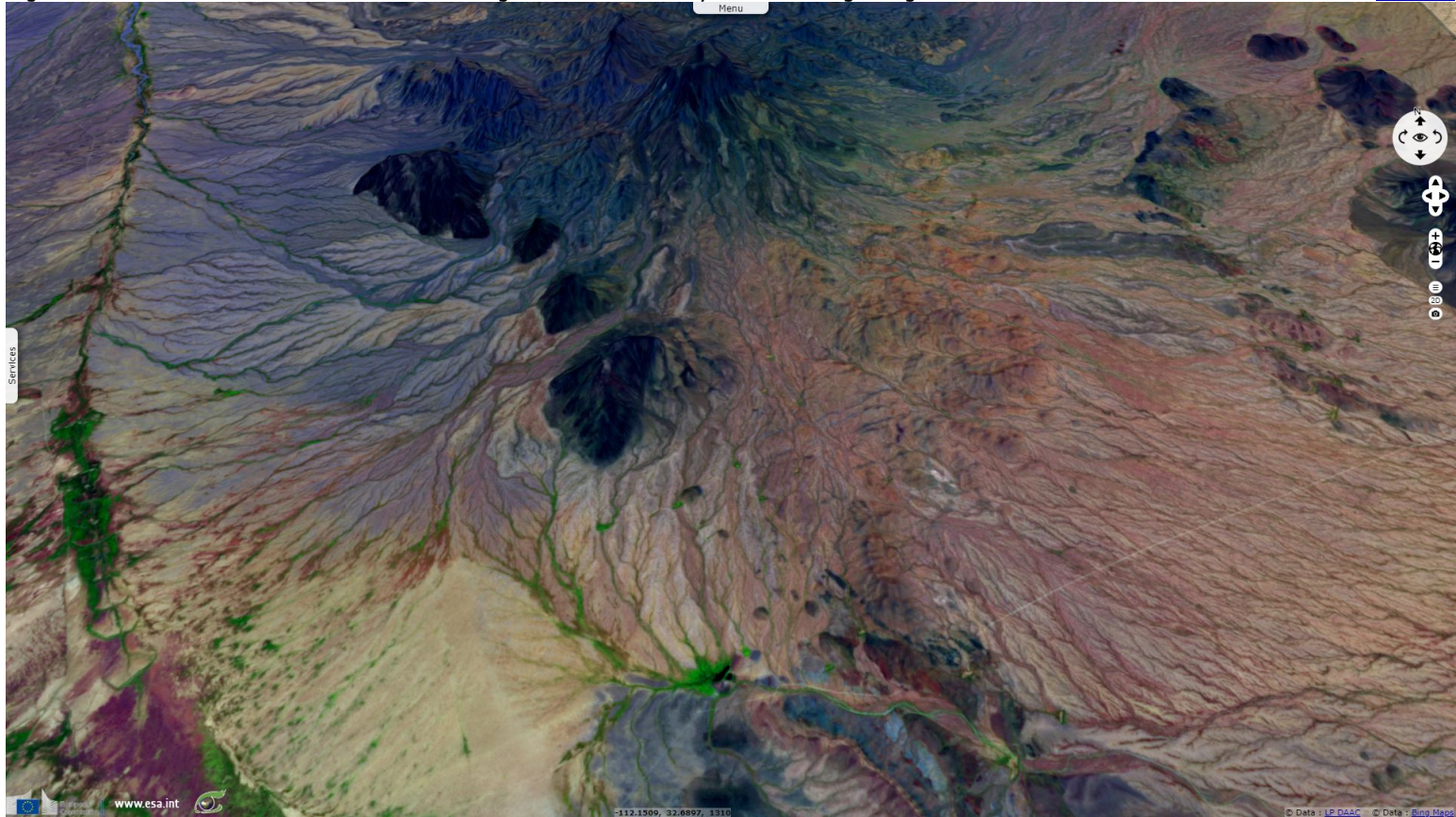
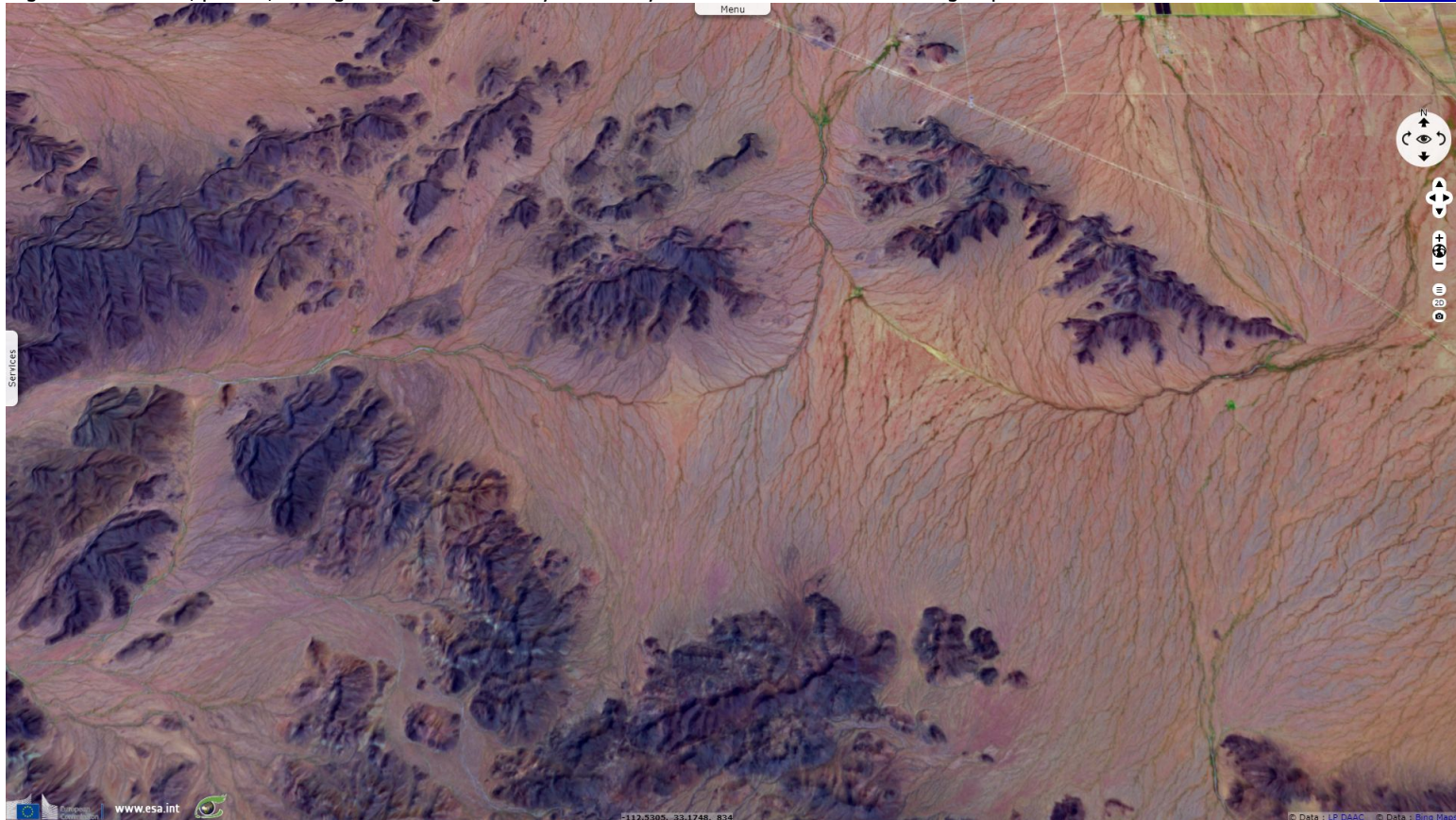
















Fig. 5 - Watershed, passes, talwegs and ridges are easy to identify amid this barren land showing in pastel colour tones.

[3D 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 2019, processed by VisioTerra.*

More on European Commission space:							
More on ESA:				<a href="#">S-1 website</a>	<a href="#">S-2 website</a>	<a href="#">S-3 website</a>	
More on Copernicus program:				<a href="#">SciHub_portal</a>	<a href="#">Cophub_portal</a>	<a href="#">Inthub_portal</a>	<a href="#">Colhub_portal</a>
More on VisioTerra:				<a href="#">Sentinel Vision Portal</a>	<a href="#">Envisat+ERS_portal</a>	<a href="#">Swarm+GOCE_portal</a>	<a href="#">CryoSat_portal</a>



Funded by the EU and ESA

SED-505-SentinelVision

