

Wildfires bathe California in smoke, United States

Sentinel-5P TROPOMI AER_AI & CO acquired on 22 July 2021 at 20:53:33 UTC

Sentinel-3 SLSTR LST acquired on 22 July 2021 at 05:54:20 UTC

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Sentinel-2 MSI acquired on 23 July 2021 at 18:49:19 UTC

Sentinel-3 OLCI FR & SLSTR RBT acquired on 25 July 2021 from 18:30:40 to 18:33:40 UTC

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[2D Layerstack](#)

Fig. 1 - S3 SLSTR (22-25.07.2021) - Several wildfires (visible in red) spread across California after weeks of drought and heatwave.

[2D view](#)

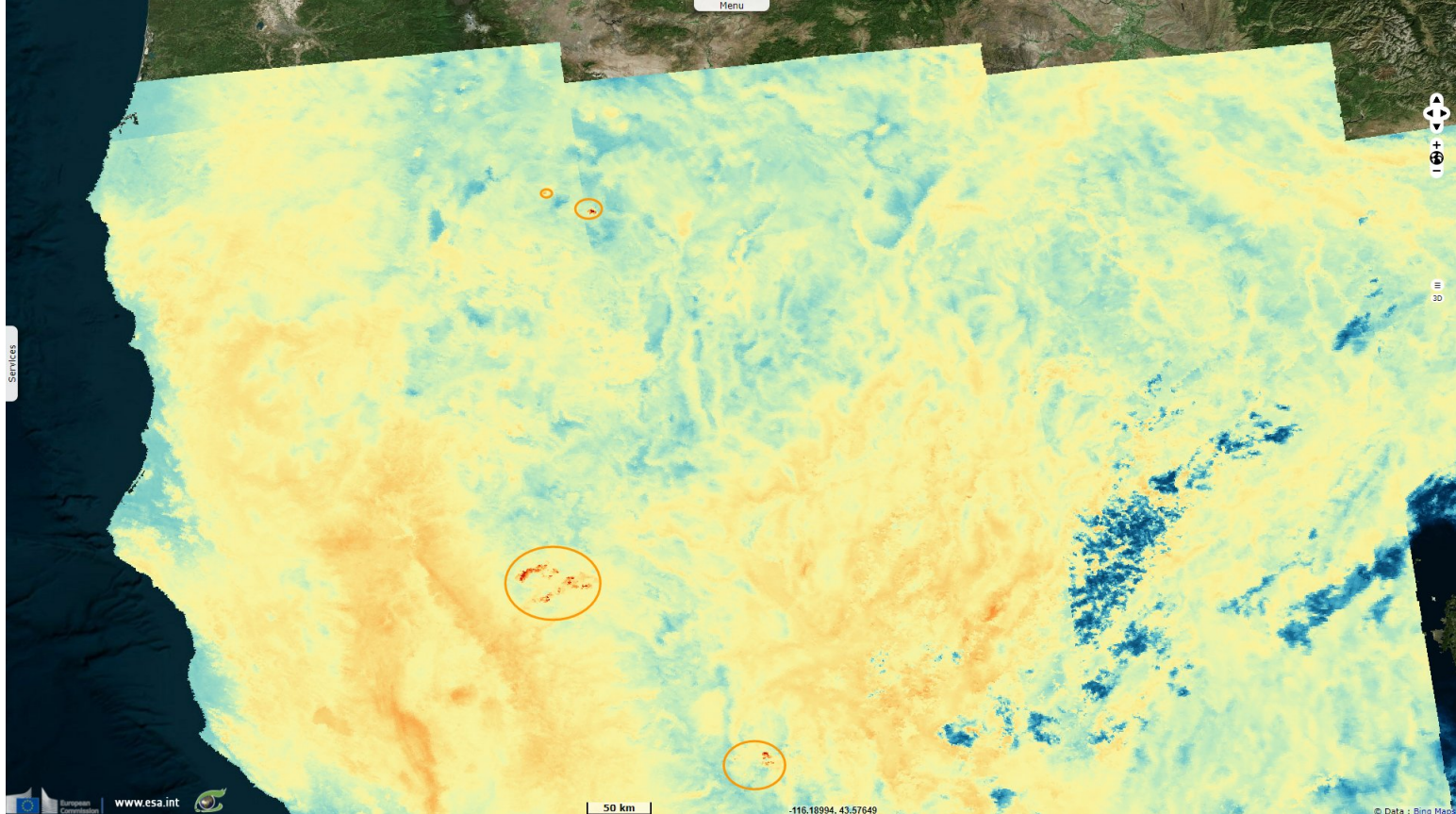


Fig. 2 - S5P TROPOMI (22-27.07.2021) - Carbon Monoxide total column - It generated large amounts of noxious smoke inland.

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

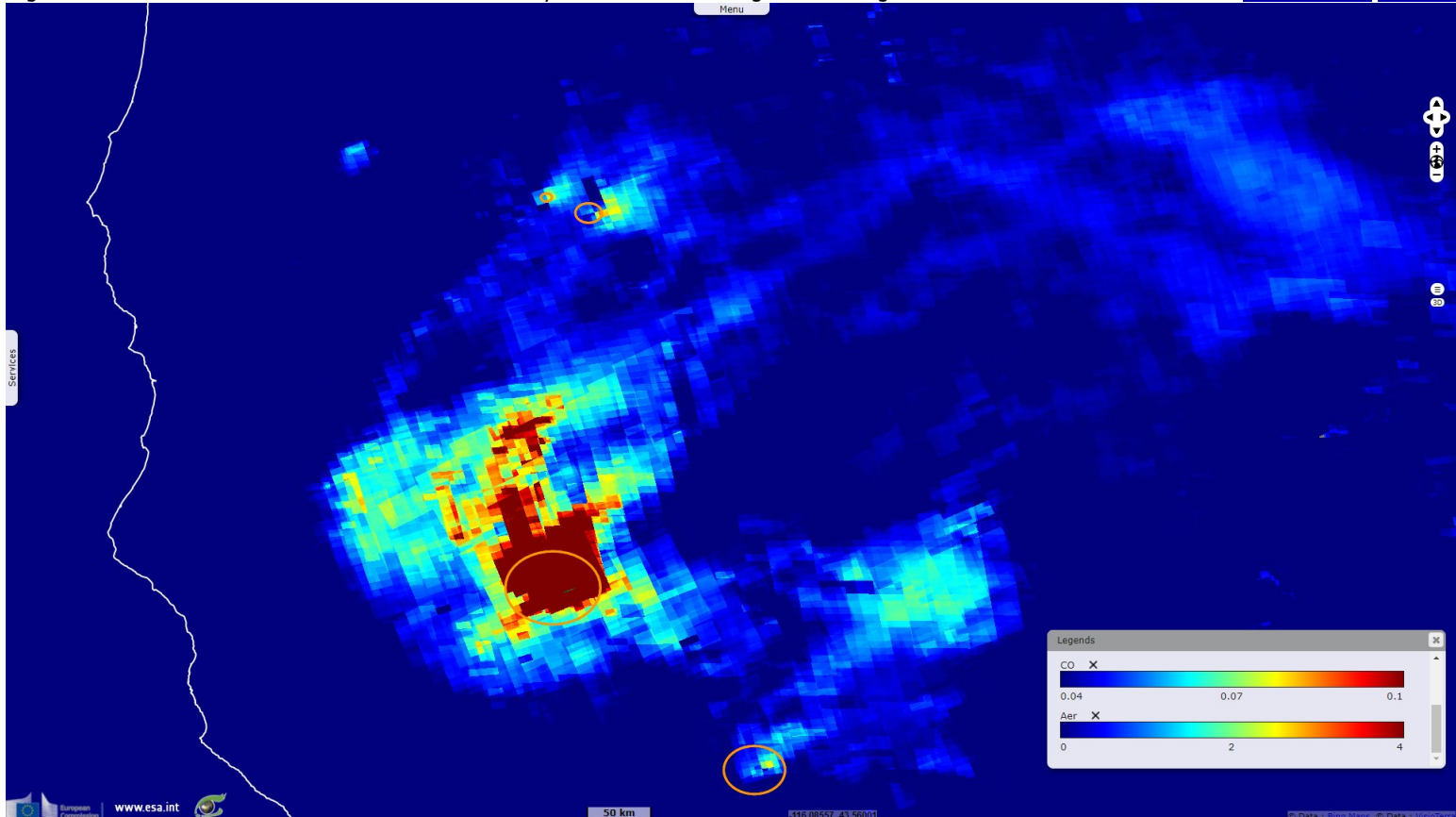


Fig. 3 - S3 SLSTR (23.07.2021) - The worst of these was Dixie fire, fought by 5400 firemen; it burnt over 1000 km² in Northern California. [2D view](#)

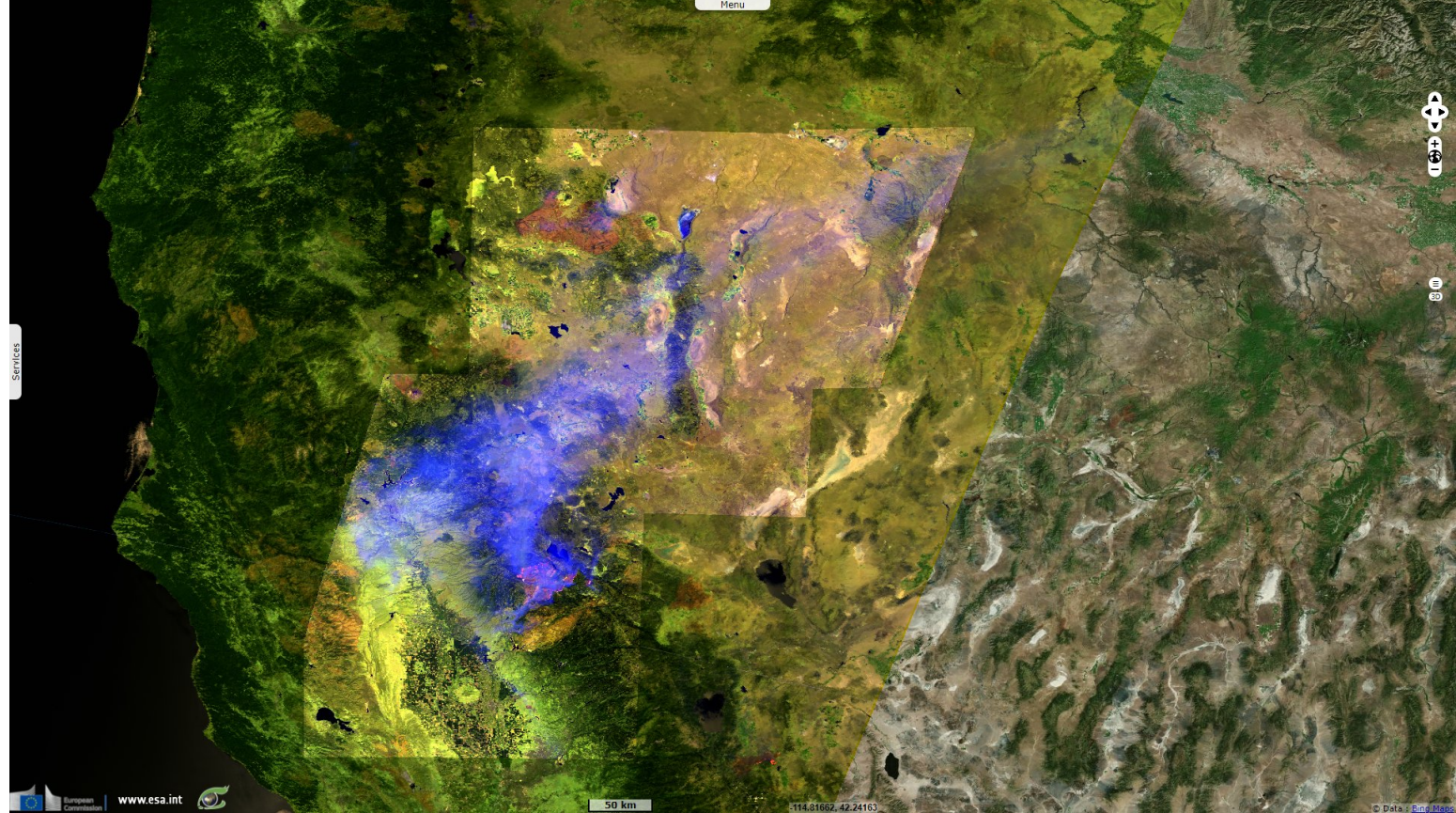


Fig. 4 - S2 (23.07.2021) - It caused an intense pyrocumulus that generated lightning and far-flying fire embers, worsening its consequences. [2D view](#)



Fig. 5 - S3 OLCI (24.07.2021) - The plumes reached Nevada at east, Oregon at north and Idaho at north-east, over 600 km away.

[2D view](#)

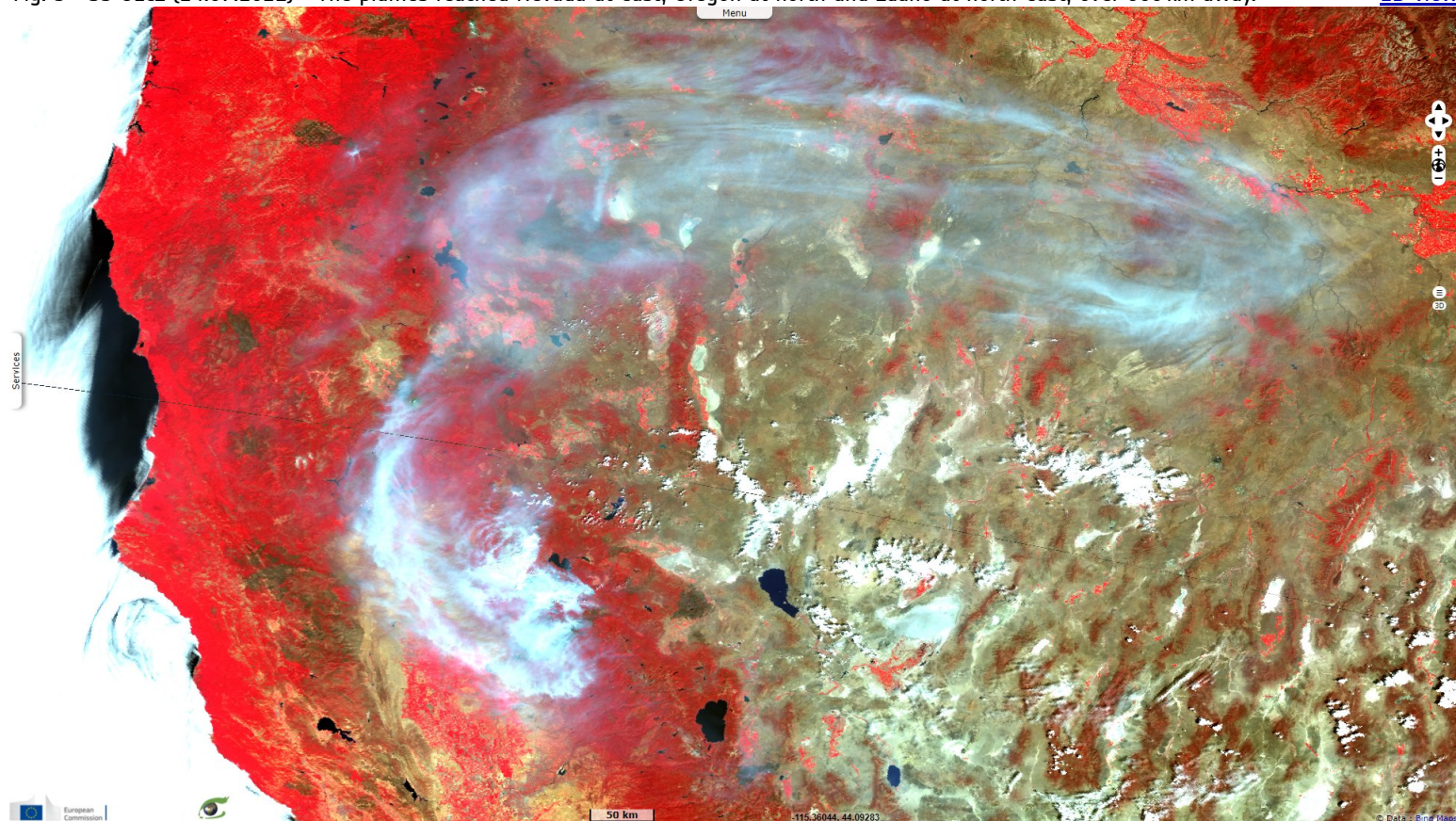
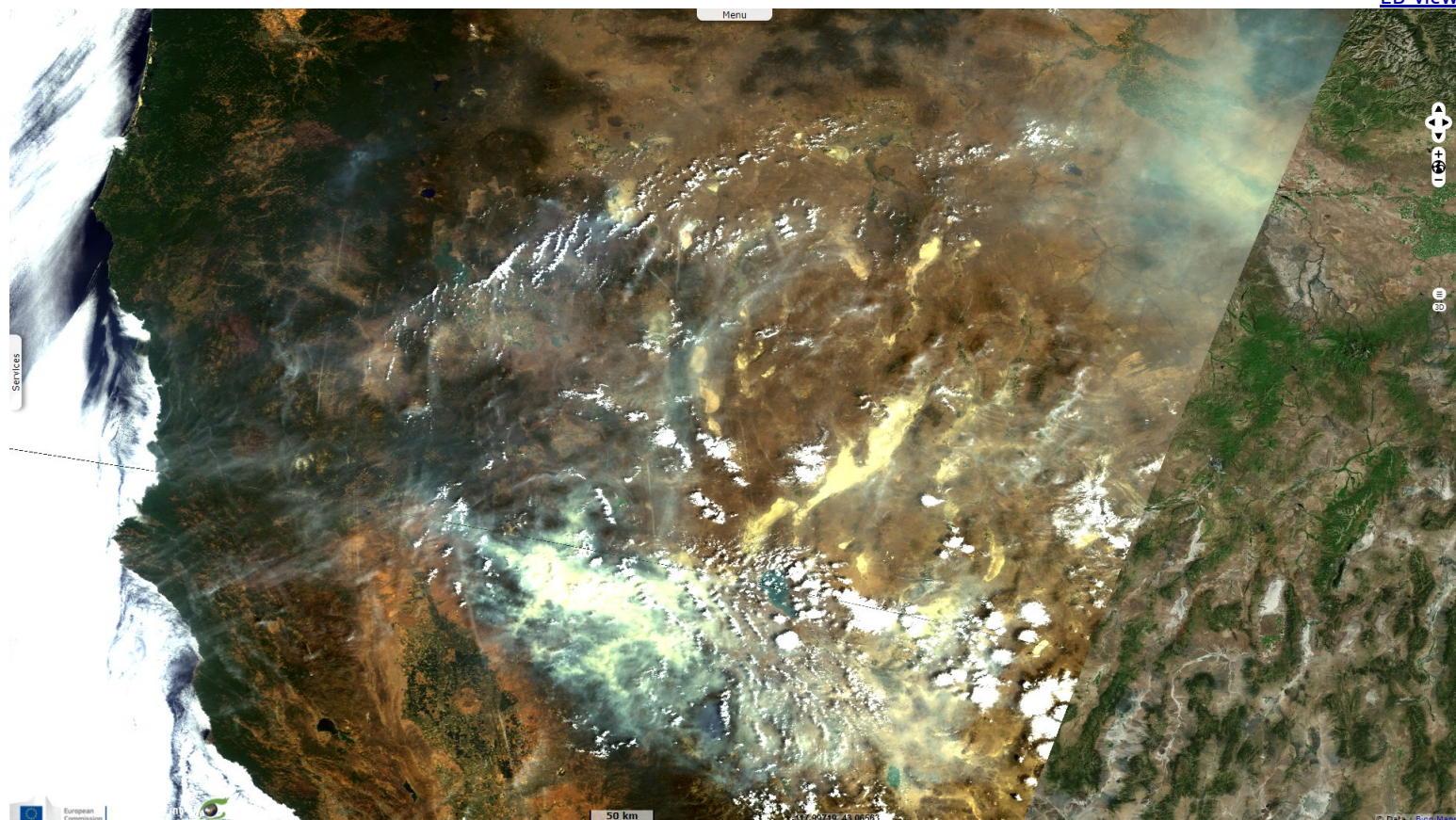














Fig. 6 - S3 OLCI (25.07.2021) - Fires have already burned 3 times more vegetation this year than at this time in 2020, the worst fire year in California's history.

[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.
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