

Udachny diamond mine

Sentinel-1 CSAR IW acquired on **14 September 2016** at 23:10:58 UTC

Sentinel-1 CSAR IW acquired on **11 February 2017** at 23:09:58 UTC

Sentinel-2 MSI acquired on **22 May 2017** at 04:27:11 UTC

Sentinel-2 MSI acquired on **18 June 2017** at 04:15:51 UTC

Sentinel-2 MSI acquired on **29 October 2017** at 04:29:11 UTC

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

Keyword(s): Land, open pit mine, natural ressources, taiga, geology, Siberia, Russia

[2D Layerstack](#)

Fig. 1 - S2 (22.05.2017) - 8,4,3 colour composite - Udachny lies in Sakha (Yakutia) Republic in Eastern Siberia, Russia.

[3D view](#) [2D view](#)

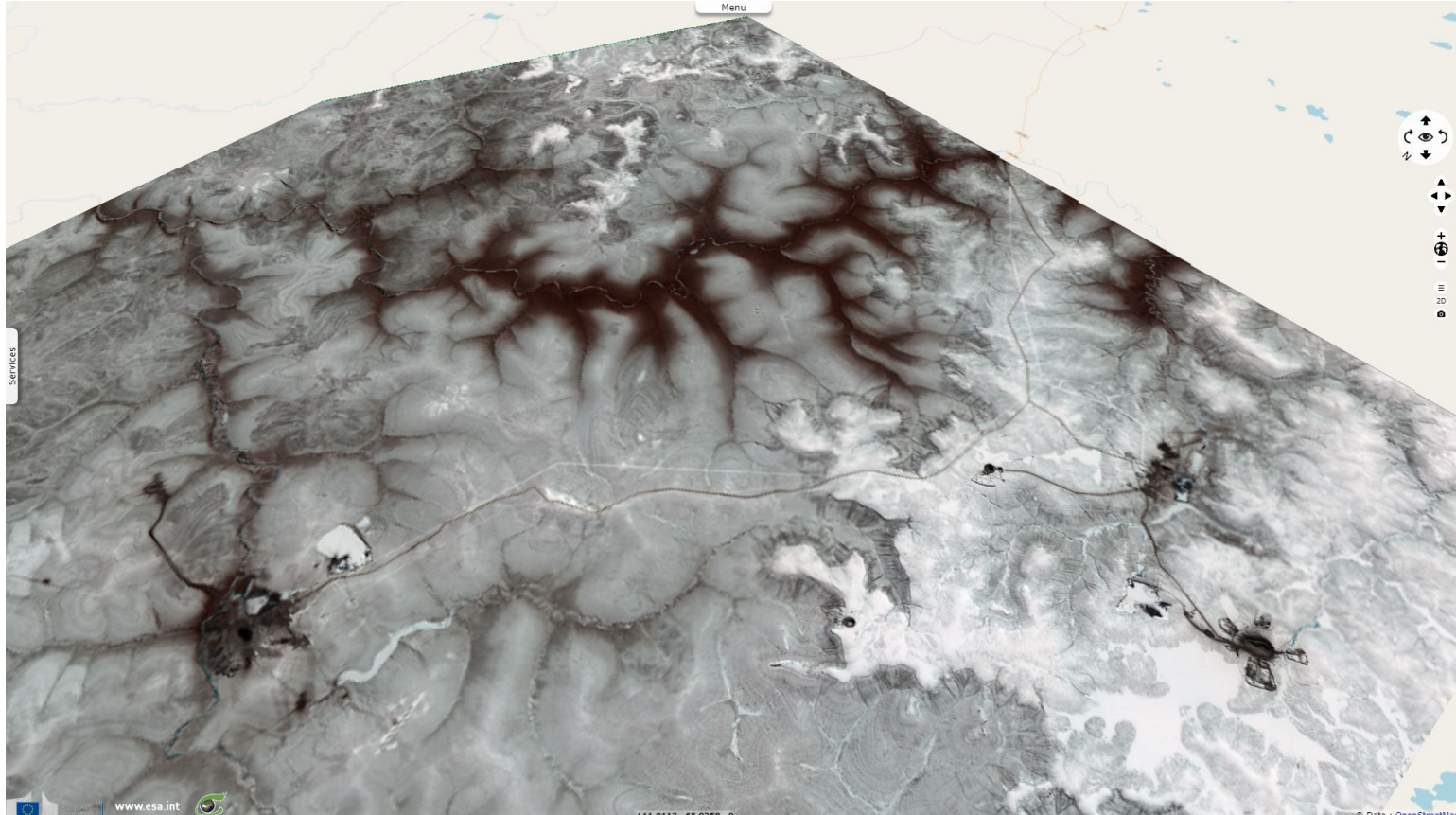


Fig. 2 - S2 (18.06.2017) - 11,8,2 colour composite - It is located just outside the arctic circle, the city was build with the mine.

[3D view](#) [2D view](#)

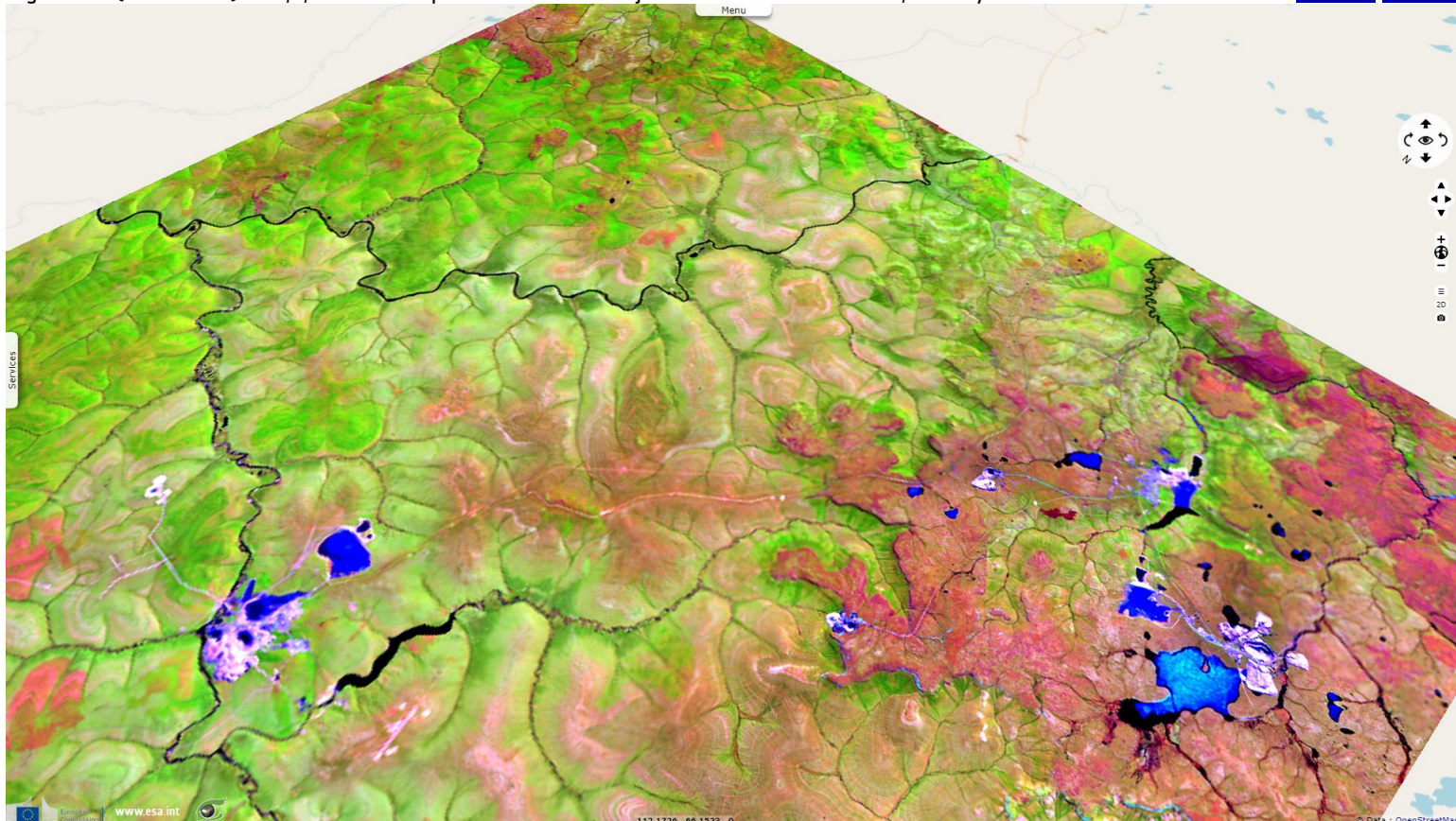


Fig. 3 - S2 (18.06.2017) - 4,3,2 natural colour - Udachny faces negative monthly means even in May, for a total of 8 months by year. [2D view](#) [3D view](#)

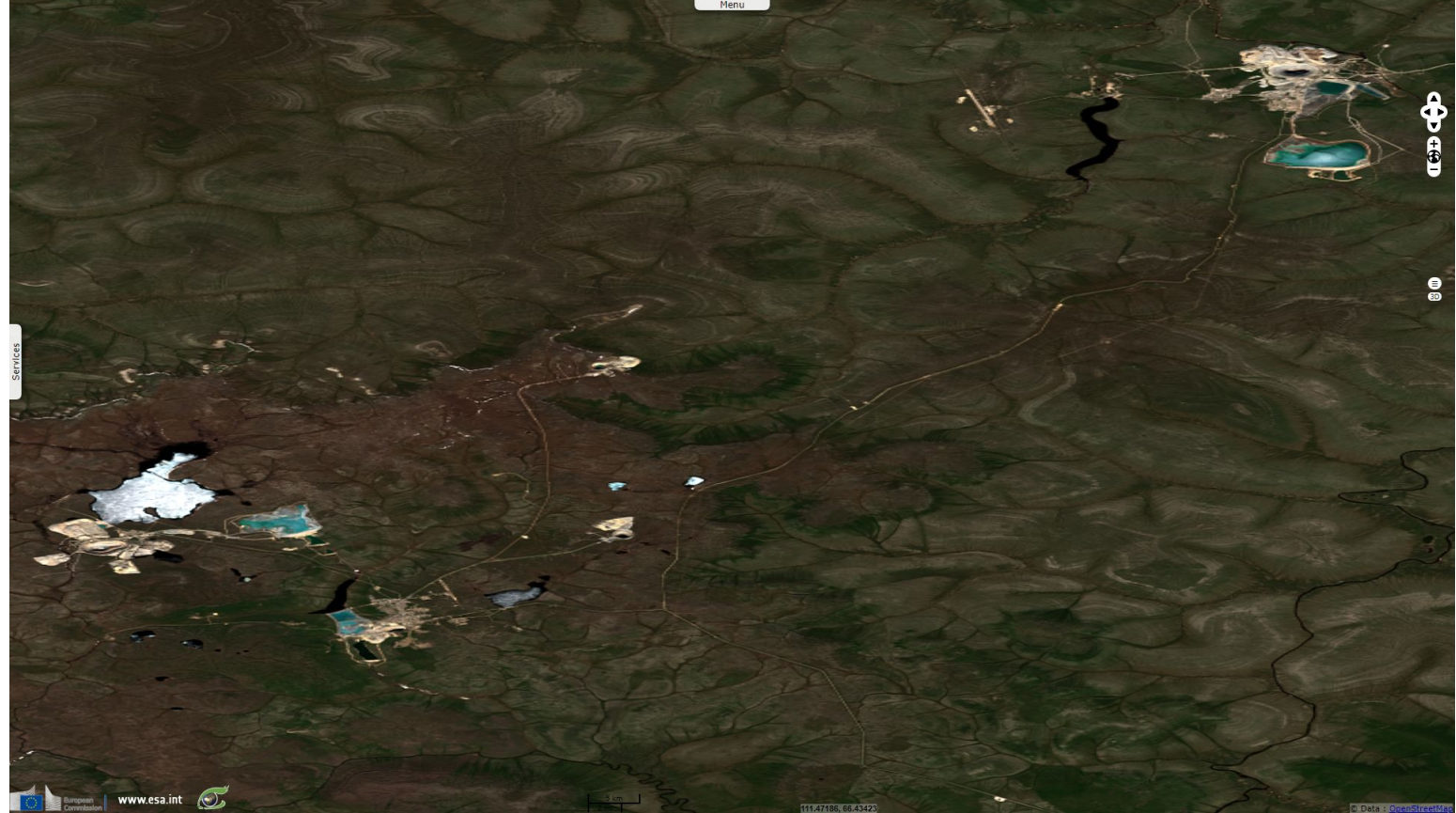


Fig. 4 - S1 (11.02.2017) - vv,vh,ndi(vh,vv) colour composite - Udachny is one of the most important diamond production site. [2D view](#)

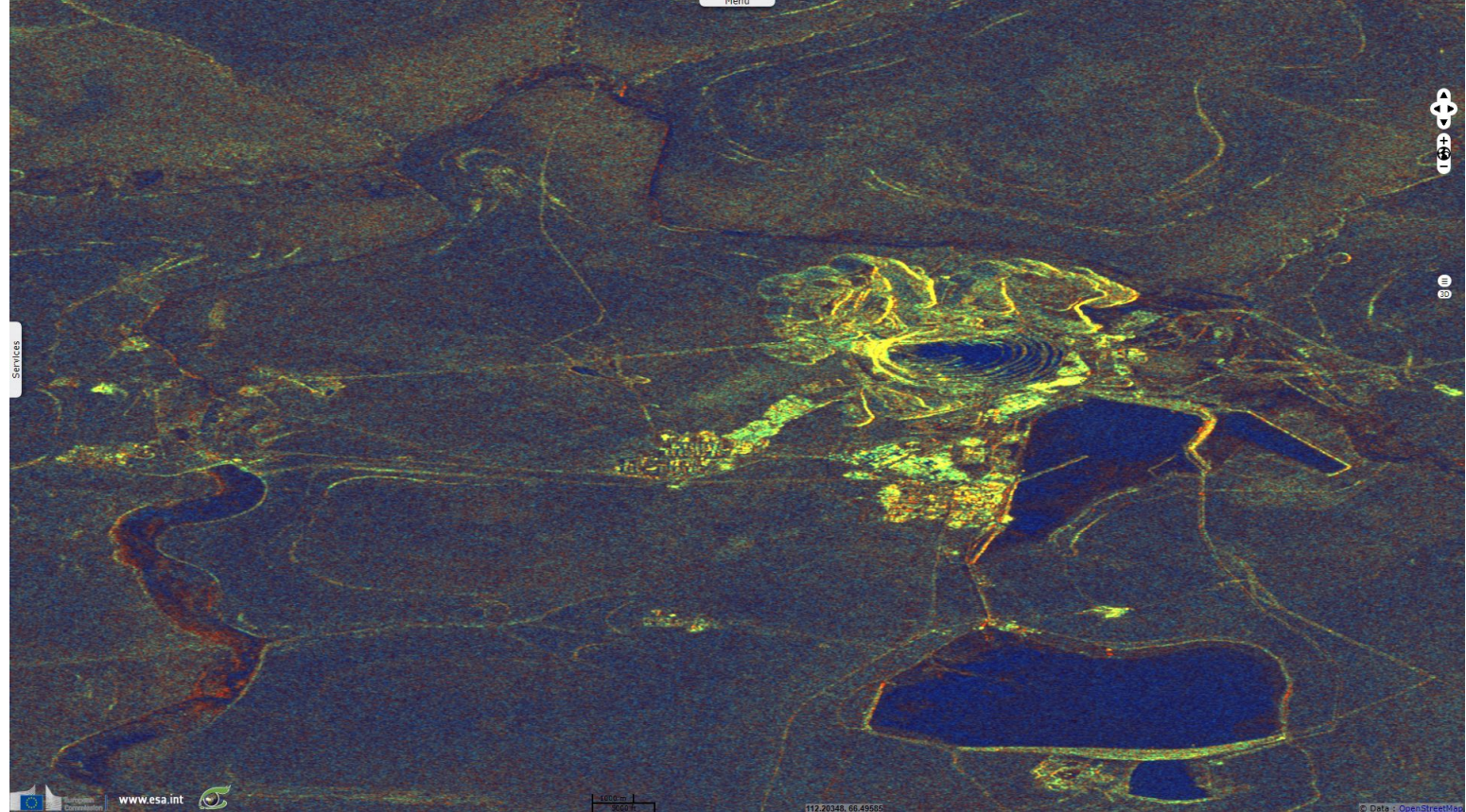


Fig. 5 - S2 (18.06.2017) - 4,3,2 natural colour - Digged in the Archean Siberia craton, this open pit mine is 630m deep, the third in the world. [3D view](#)



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