

Diamonds under the ice, Mir mine, Siberia

Sentinel-2 MSI acquired on **11 April 2018** at 04:07:11 UTC

Sentinel-2 MSI acquired on **01 May 2018** at 04:05:51 UTC

Sentinel-2 MSI acquired on **05 June 2018** at 04:06:59 UTC

Sentinel-2 MSI acquired on **23 September 2018** at 04:05:39 UTC

Sentinel-1 CSAR IW acquired on **24 September 2018** at 22:54:59 UTC

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

Keyword(s): Land, open pit mine, natural resources, seasonal change, taiga, geology, Siberia, Russia

[2D Layerstack](#)

Fig. 1 - S1 (24.09.2018) - vv,vh,vv colour composite - Mir open pit (aka Mirny mine) lies in Sakha Republic, Siberia, in Russia.

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



Fig. 2 - S2 (11.04.2018) - 12,11,2 - 525m deep & 1200m wide, it's the 4th deepest & one of the biggest excavated holes. [3D animation](#) [2D animation](#)

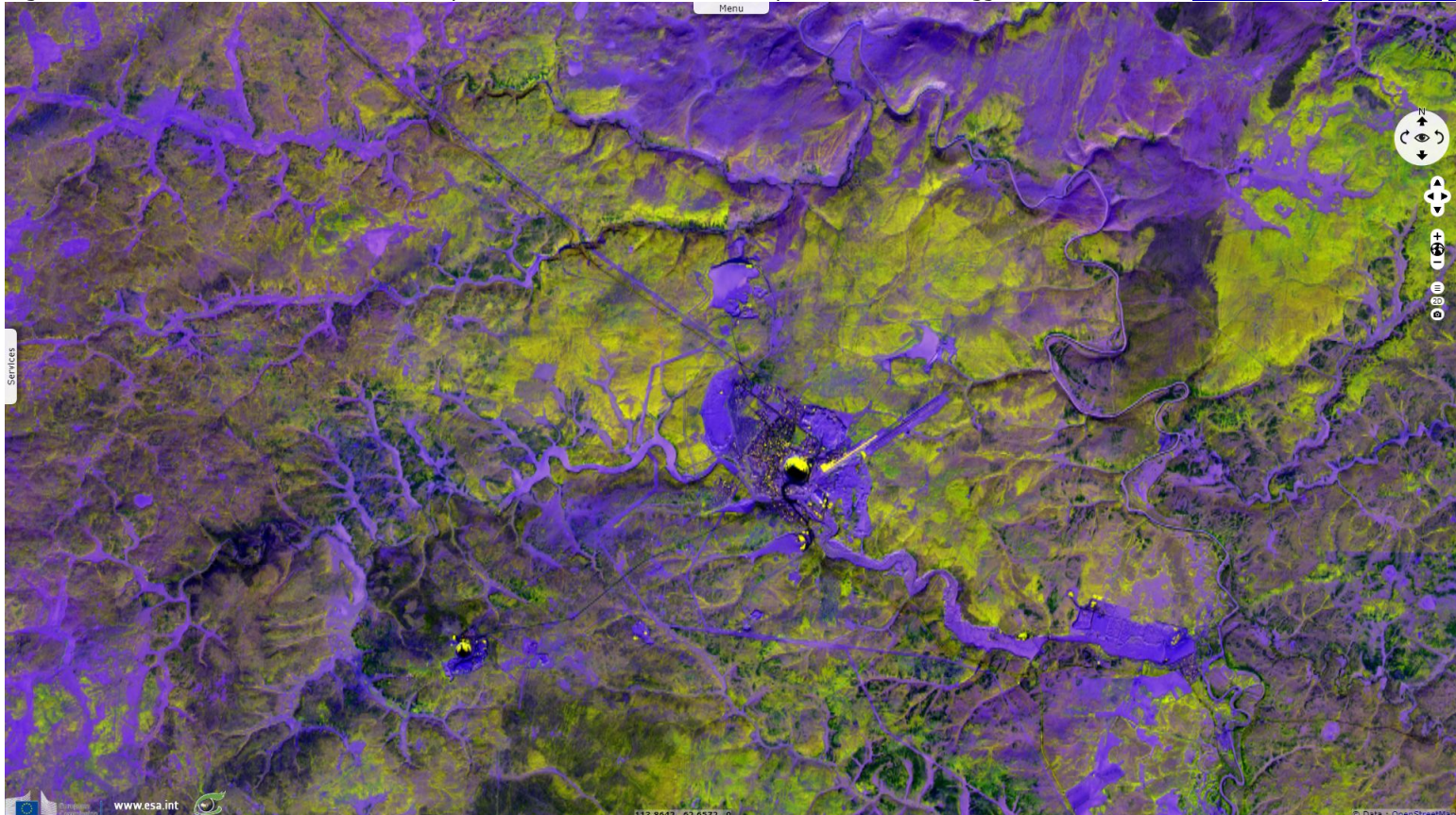


Fig. 3 - 01.05.2018 - 4,3,2 - Open-pit mining discontinued in 2001. Since 2009, it's been active as an underground mine. [3D animation](#) [2D animation](#)

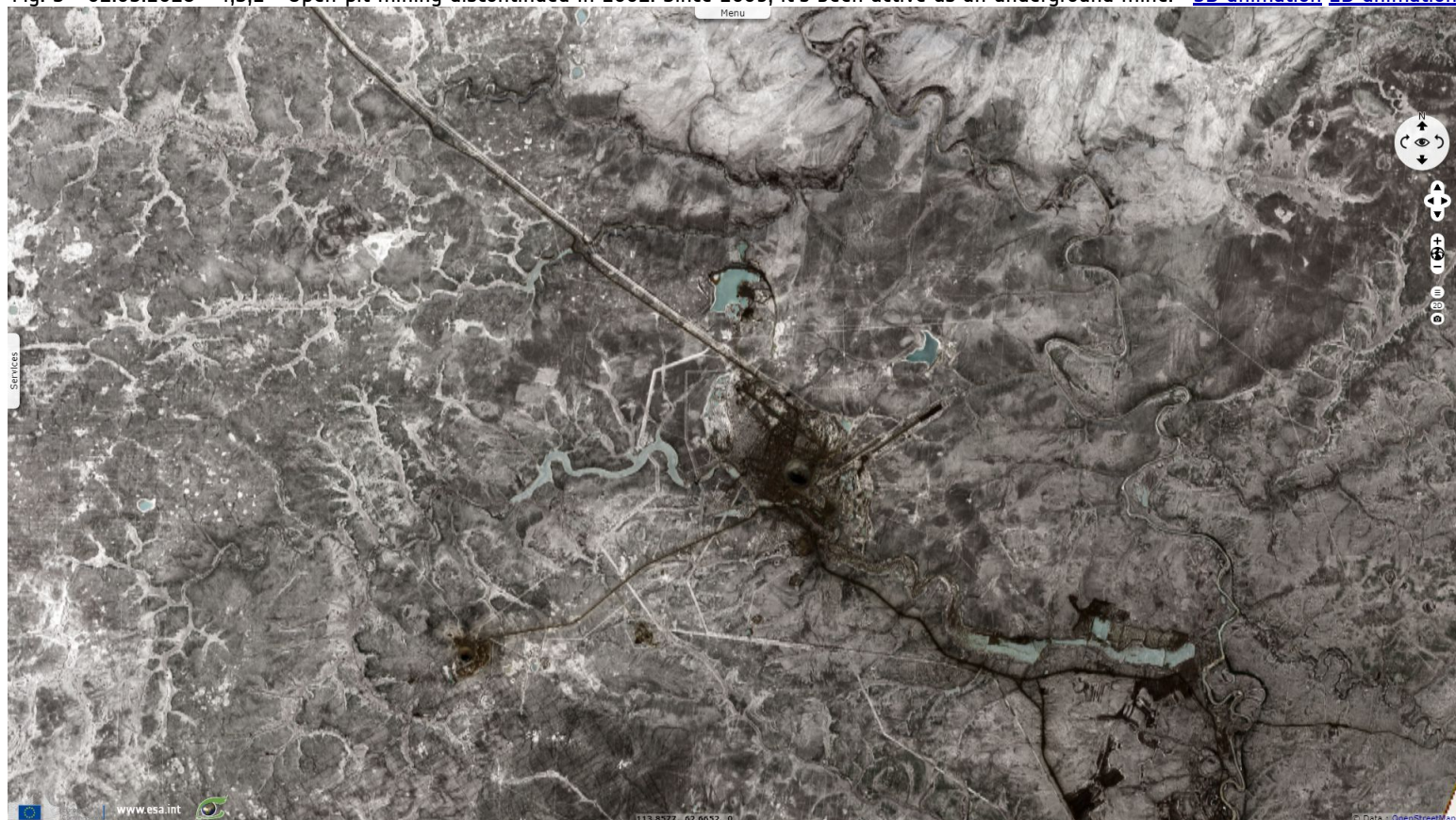
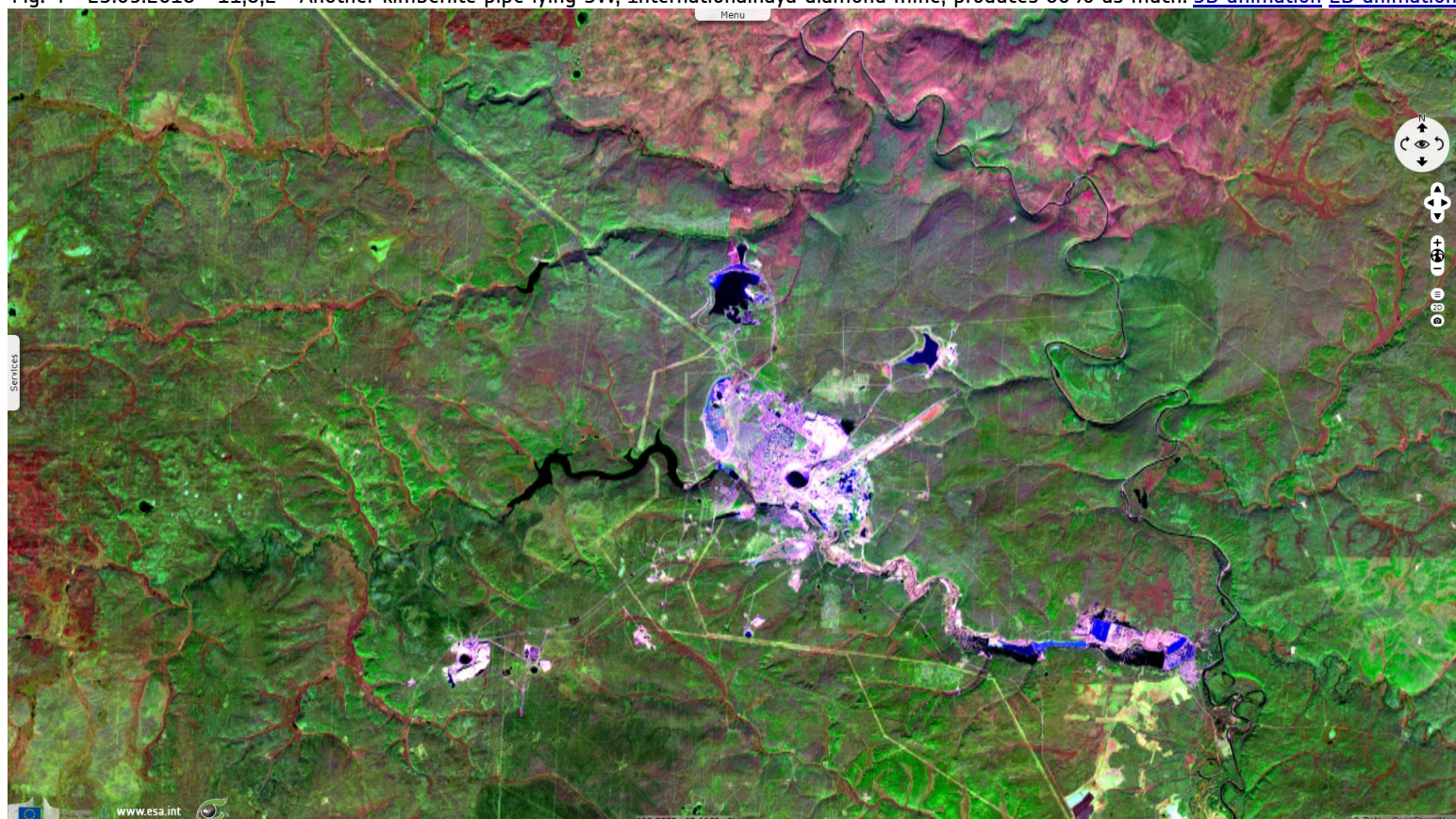


Fig. 4 - 23.09.2018 - 11,8,2 - Another kimberlite pipe lying SW, Internationalnaya diamond mine, produces 60% as much. [3D animation](#) [2D animation](#)



The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.

More on European Commission space:						
More on ESA:				S-1 website	S-2 website	S-3 website
More on Copernicus program:				SciHub portal	Cophub portal	Inthub portal Colhub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal CryoSat portal Proba-V portal