

# Narva oil shale-fired thermal power plants, Estonia

Sentinel-1 CSAR IW acquired on 19 March 2019 at 15:48:12 UTC  
Sentinel-2 MSI L2A acquired on 17 April 2019 at 09:30:39 UTC

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Keyword(s): Land, energy, infrastructure, climate change, greenhouse gas, shale oil, open pit mine, Estonia



[3D Layerstack](#)

Fig. 1 - S1 (19.03.2019) - vv,vh,ndi(vh,vv) colour composite - Narva power complex includes world's two largest oil shale-fired plants [2D view](#) [3D view](#)

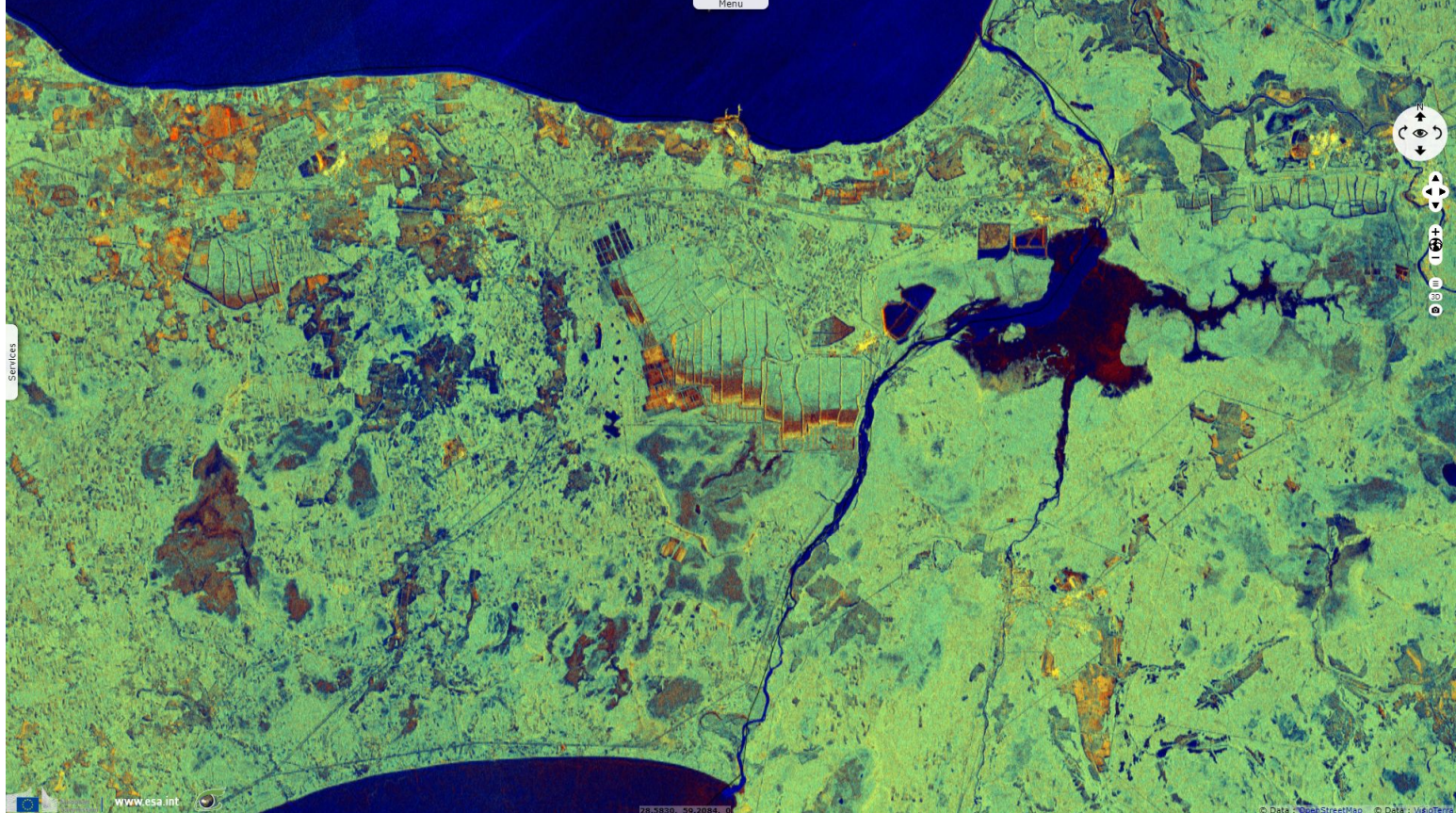
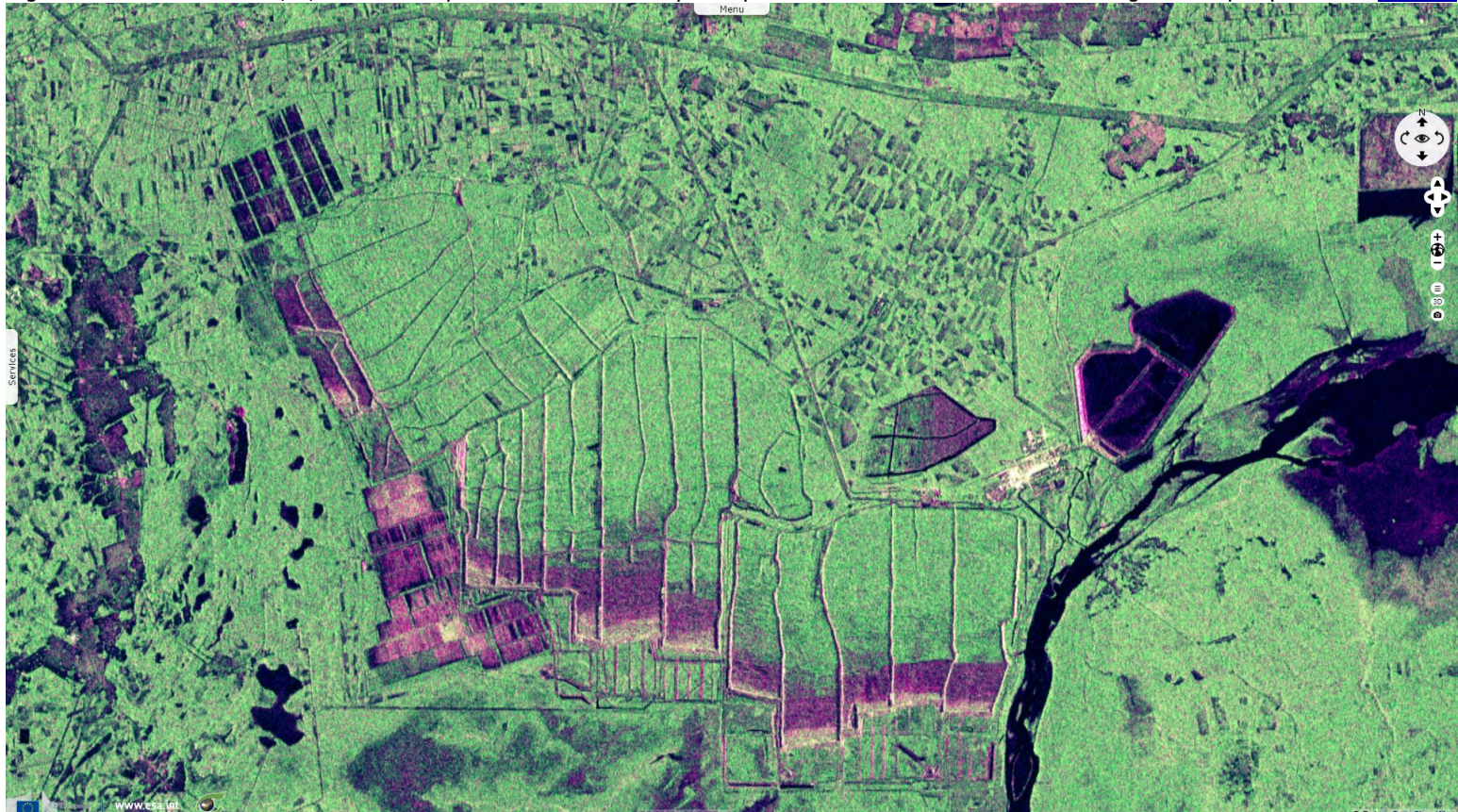


Fig. 2 - S1 (19.03.2019) - vv,vh,vv colour composite - Eesti & Auvere power plants (which total 1915 MW) near a large shale open pit mine. [3D view](#)

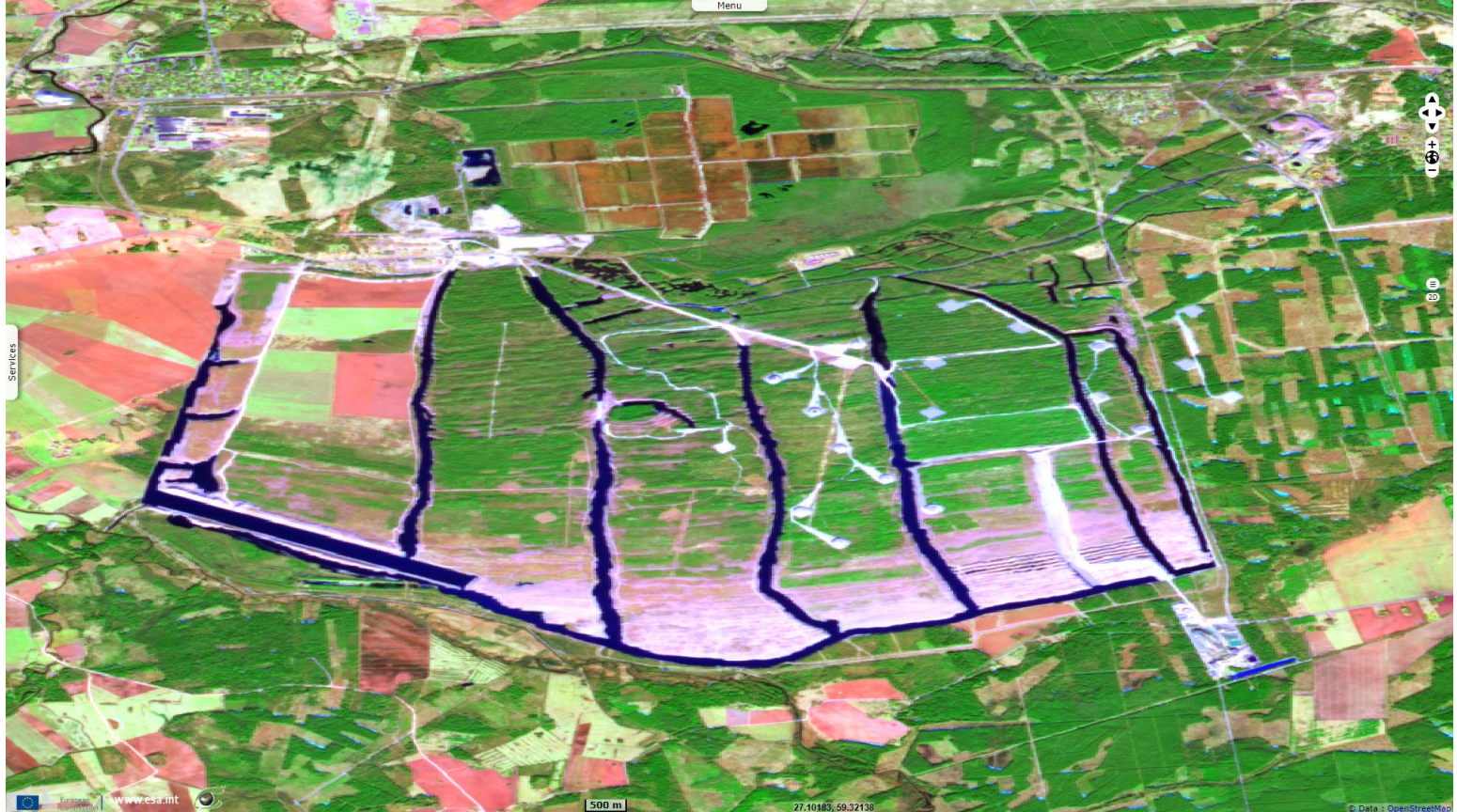


In 2012, Estonia produced 85% of its electricity from mined oil shale. Narva plants produce yearly ~4.5M tons of alkaline ash, put in storage basins.

Fig. 3 - S2 (17.04.2019) - 12,8,2 colour composite - In Narva at the Russian border, 765 MW Balti power plant also hosts a 39 MW windfarm [3D view](#)



Fig. 4 - S2 (17.04.2019) - 12,8,2 colour composite - Lying 50 km west of Eesti shale mine, exhausted Aidu shale open pit closed in 2012. [2D view](#)



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