

S5P monitors atmospheric effects of Alberta wildfires

Sentinel-3 SLSTR RBT acquired on 19 May 2019 at 18:16:20 UTC

Sentinel-5P TROPOMI CO acquired on 19 May 2019 from 19:53:14 to 19:58:14 UTC

Sentinel-5P TROPOMI NO₂ acquired on 20 May 2019 at 21:18:13 UTC

Sentinel-5P TROPOMI AER_AI acquired on 28 May 2019 at 20:28:41 UTC

Sentinel-5P TROPOMI HCHO acquired on 29 May 2019 at 20:08:40 UTC

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Keyword(s): Atmosphere, pollution monitoring, natural disaster, emergency, wildfire, Canada.

Fig. 1 - S5P TROPOMI (19.05.2019) - CO total column - Several wildfires have spread in Alberta in the second half of May 2019.

[2D animation](#)

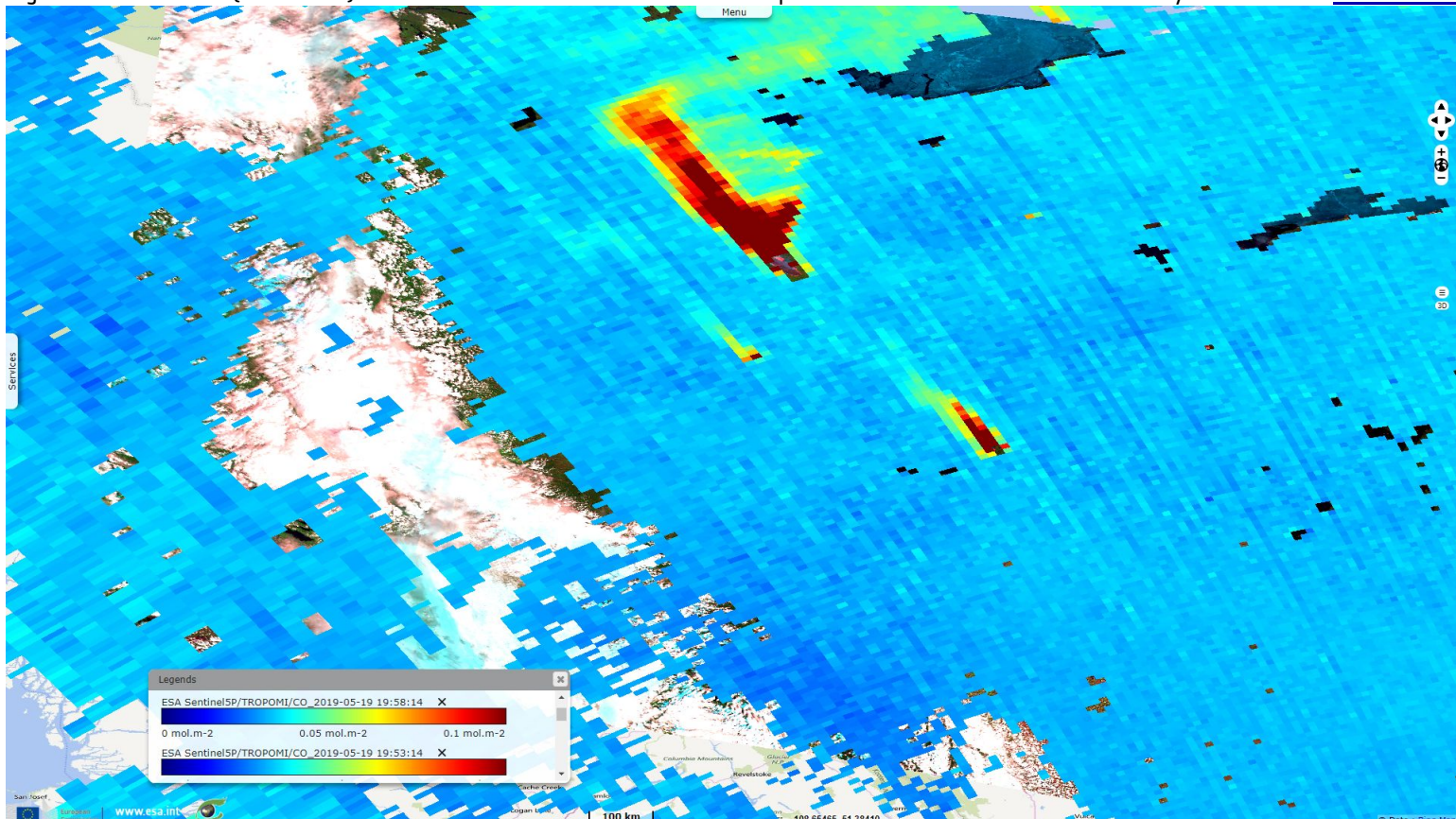


Fig. 2 - 20.05.2019 - NO₂ tropospheric column - Emissions caused by wildfires temporarily exceeded that of Edmonton & Fort McMurray. [2D animation](#)

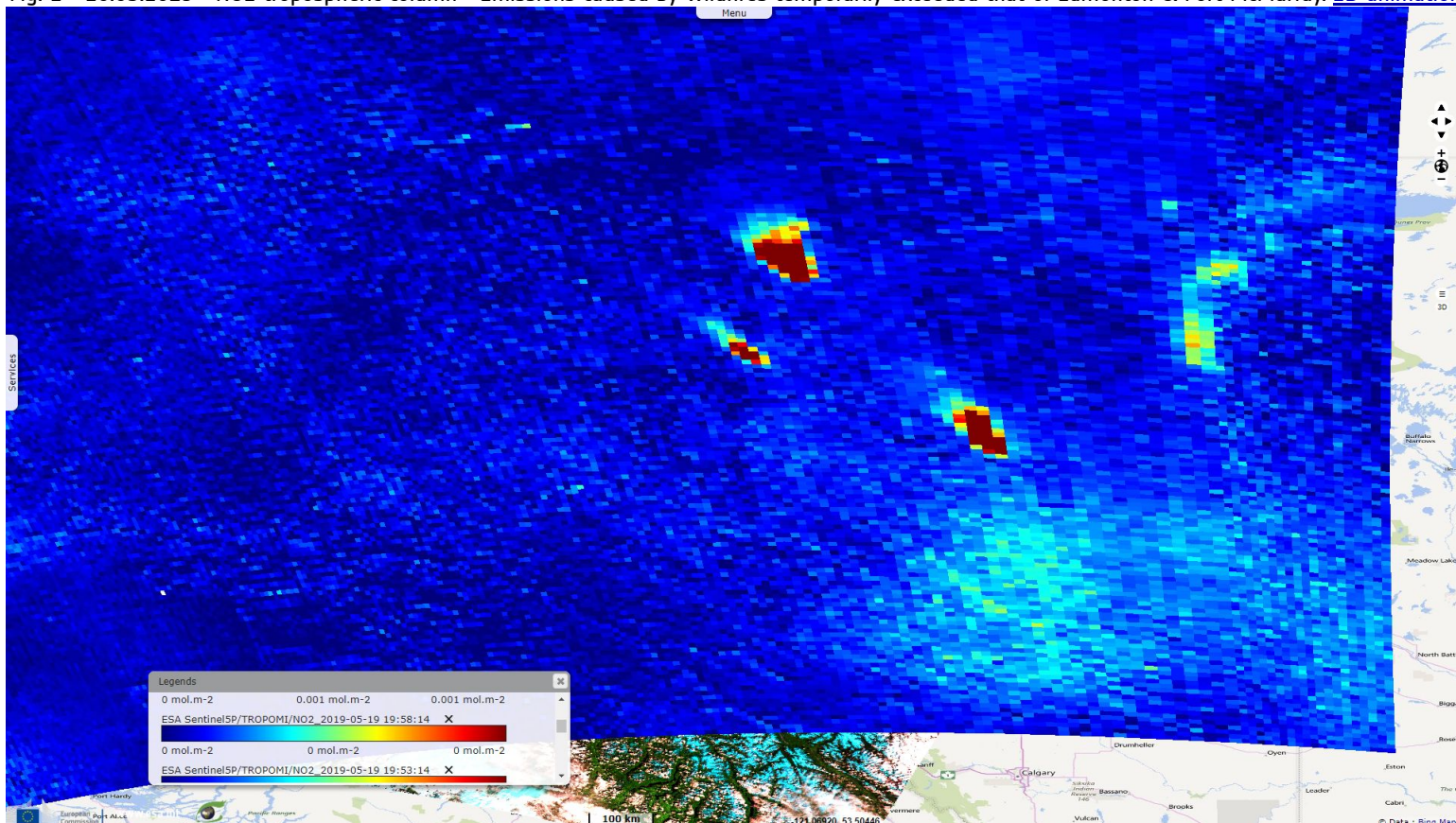


Fig. 3 - 28.05.2019 - Aerosol Index from 388 & 354 nm - Even smaller wildfires can be detected by their large emissions of particles. [2D animation](#)

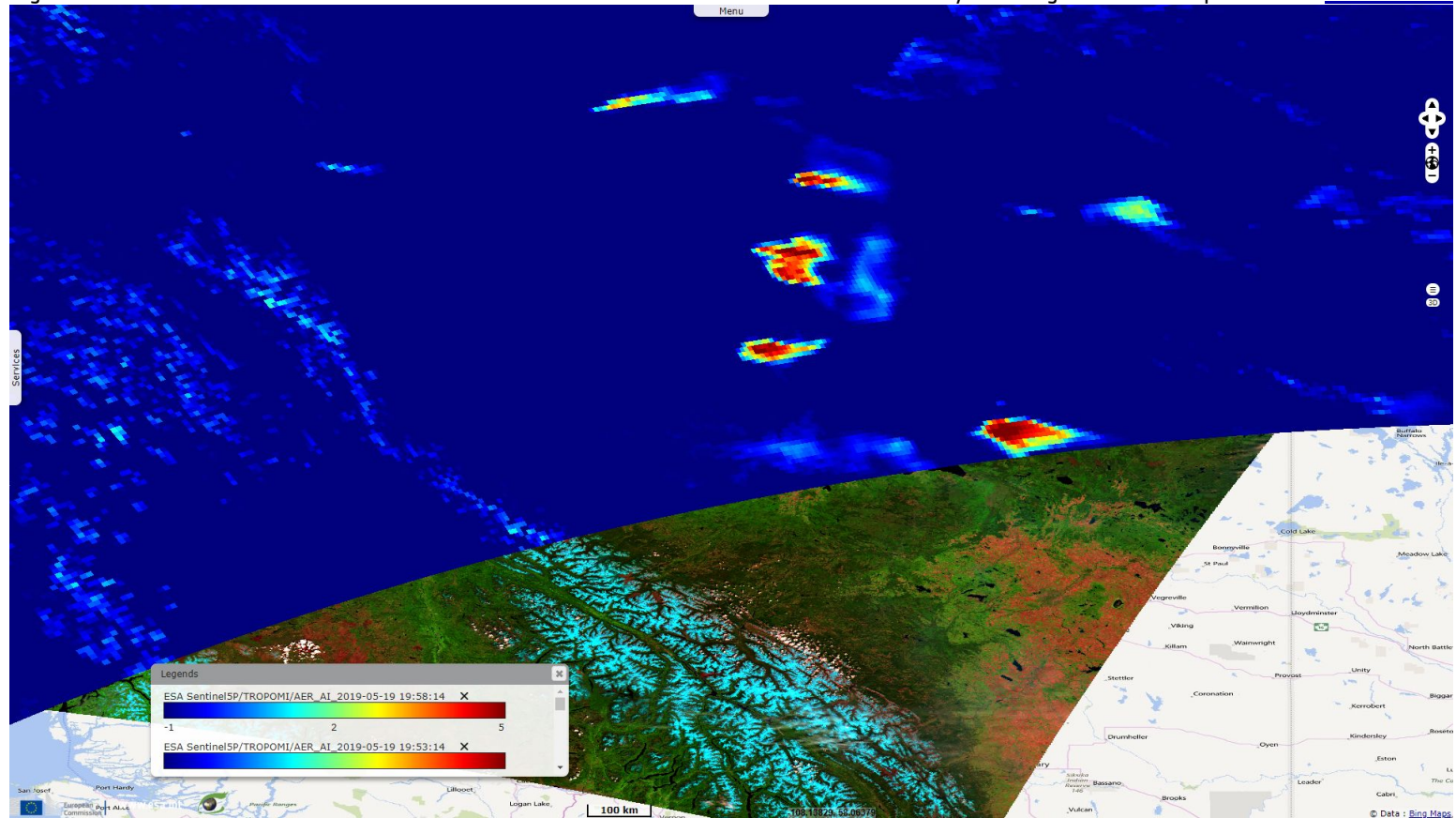
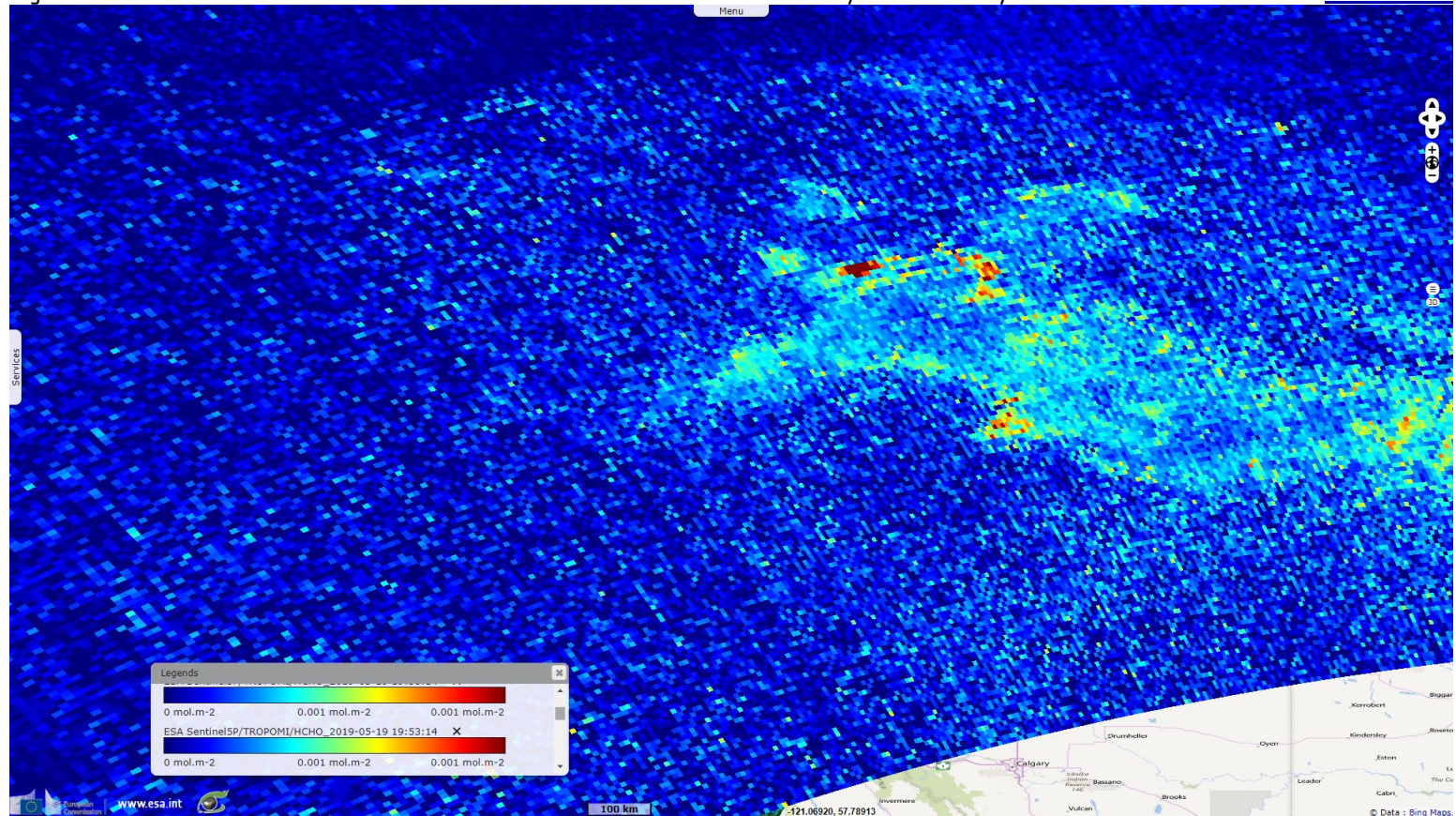


Fig. 4 - 29.05.2019 - HCHO total column - Several of the wildfires were not in control by the end of May. [2D animation](#)



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