

Flooding in New Brunswick

Sentinel-1 CSAR IW acquired on **03 May 2017** at 10:31:30 UTC
Sentinel-1 CSAR IW acquired on **16 April 2018** at 10:31:36 UTC
Sentinel-2 MSI acquired on **22 April 2018** at 15:26:31 UTC
Sentinel-2 MSI acquired on **02 May 2018** at 15:26:31 UTC
Sentinel-1 CSAR IW acquired on **04 May 2018** at 10:30:55 UTC

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Keyword(s): Land, river, emergency, natural disaster, hydrology, cryosphere, flooding, ice melt, rain, precipitations, Canada

[2D Layerstack](#)

Fig. 1 - S1 (16.04.2018) - vv,vh,ndi(vh,vv) colour composite - Saint John river below Fredericton in mid-April; ice still covered most water. [3D view](#)

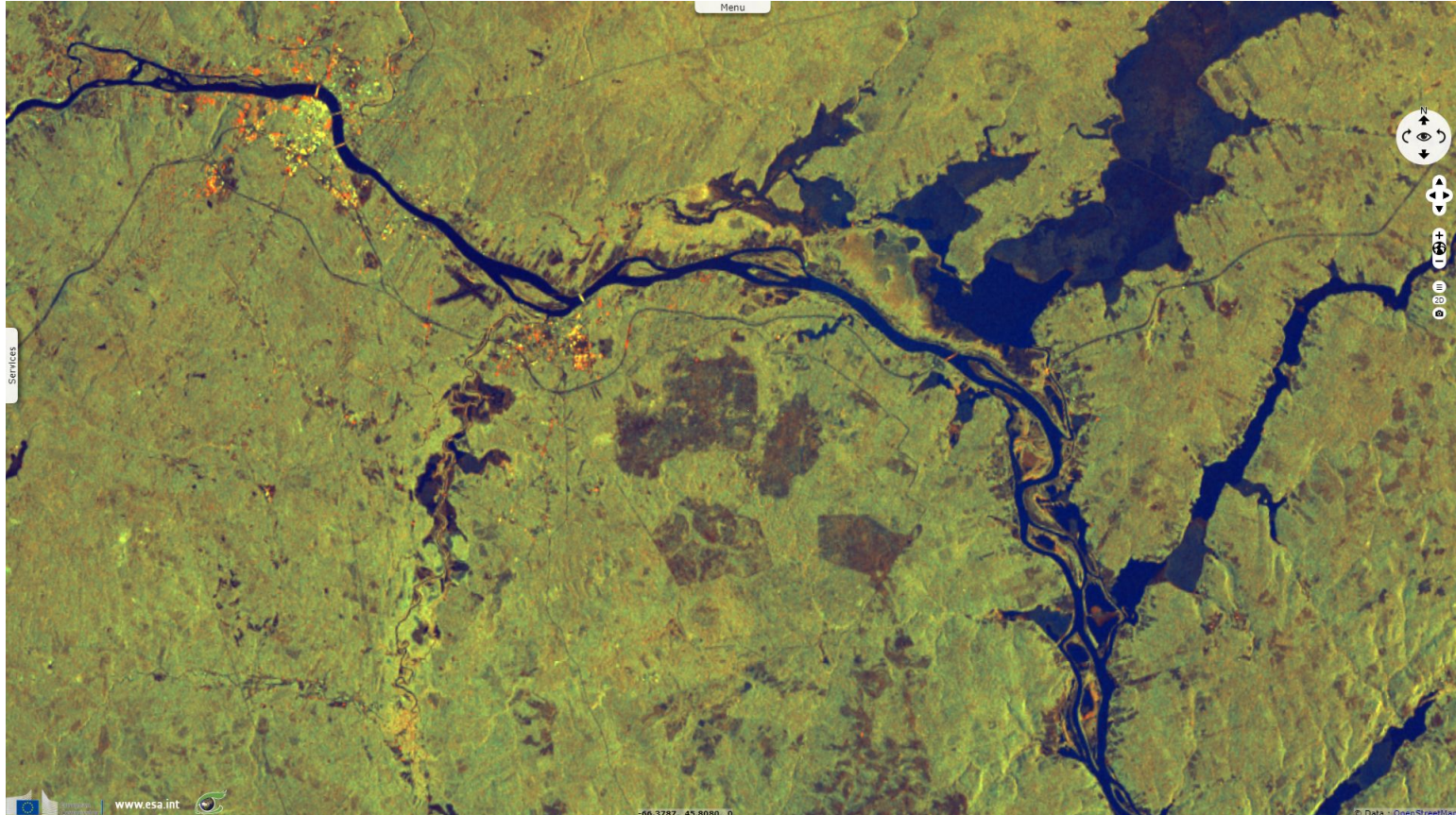


Fig. 2 - S1 - 04.05.2018 - Early May, rainfalls & melted ice produced slightly worse floods than in 2017. [3D view](#) [3D animation](#)

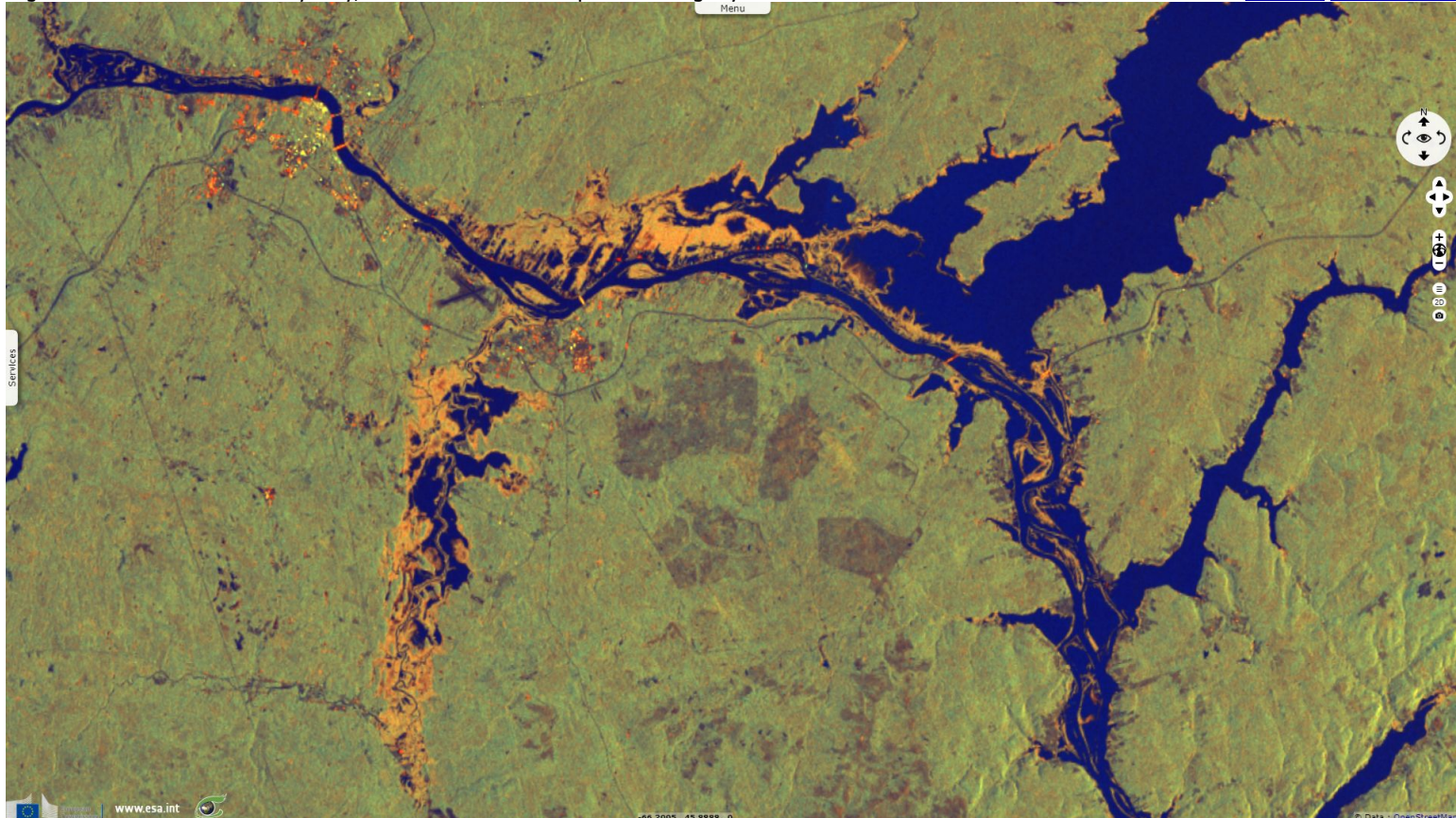


Fig. 3 - S2 (22.04.2018) - 4,3,2 natural colour - Late April, a large part of land & water surfaces around Fredericton are still iced [3D animation](#) [3D view](#)



Fig. 4 - S2 - 02.05.2018 - Early May, the ice-capped river turned into a muddy flow.

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



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