

# Large thermal anomaly in western Canada and all of Greenland and Iceland

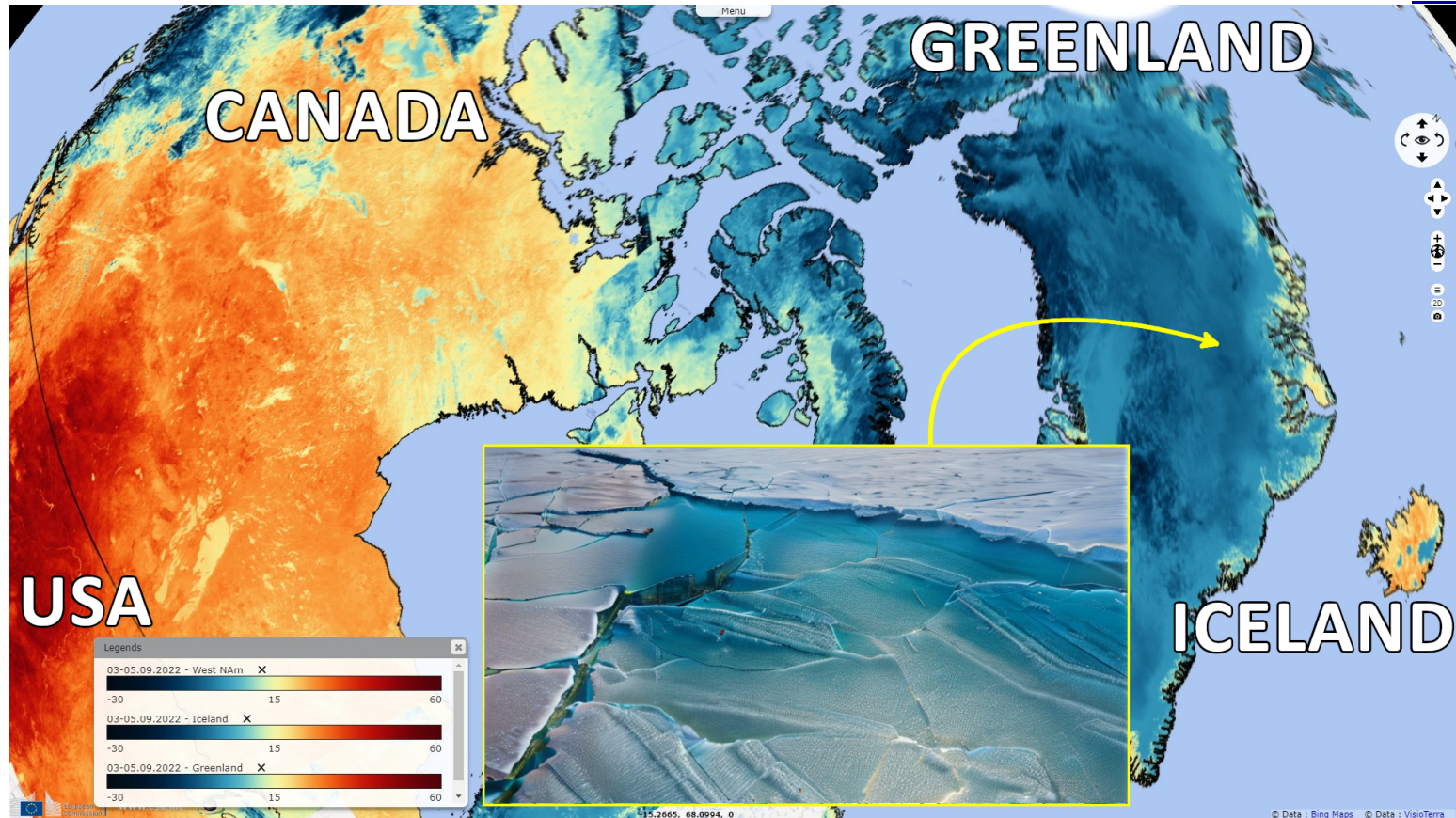
Sentinel-3 OLCI FR & SLSTR LST acquired on **03 September 2022** at 11:40:39 to 18:33:36 UTC  
Sentinel-3 OLCI FR & SLSTR LST acquired on **04 September 2022** from 11:14:28 to 18:07:25 UTC  
Sentinel-3 OLCI FR SLSTR LST acquired on **05 September 2022** from 10:48:17 to 19:19:14 UTC

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Keyword(s): Climate change, weather, arctic, polar, cryosphere, Canada, Greenland, Denmark, Iceland

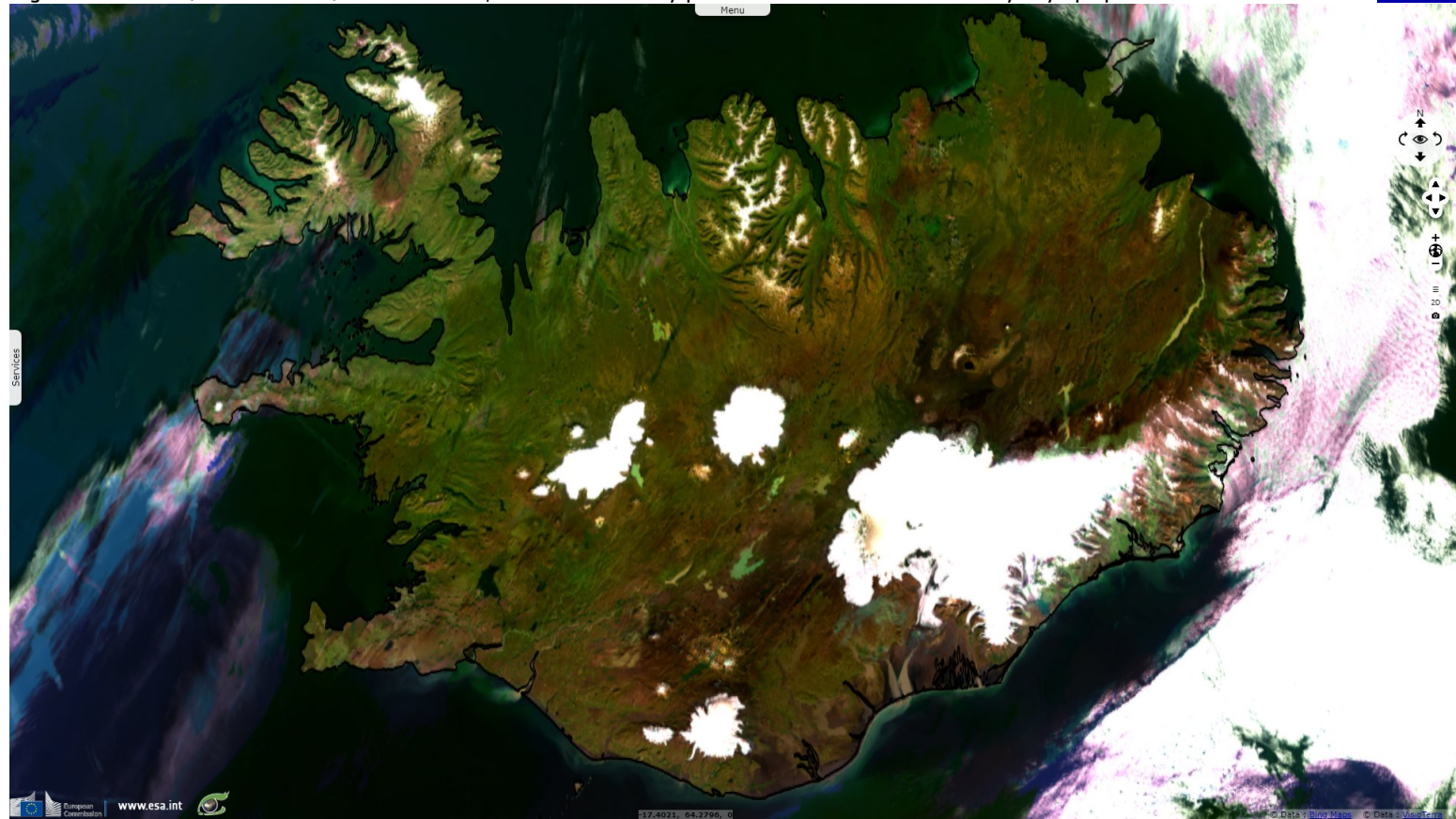
Fig. 1 - S3 SLSTR (03-05.09.2022) - On 04 September 2022, a positive thermal anomaly was measured on half of the North American continent.

[3D view](#)















As strong meridional flow establishes, pushing warm air advection into NW Europe, 850 mbar temperatures soared up to 15-25°C above average over parts of Greenland.

Fig. 2 - S3 SLSTR (03-05.09.2022) - Often hidden, Iceland was hardly protected from the sun warmth by any opaque cloud cover at this date. [3D view](#)



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