

Thingvallavatn, a parliament in the mid-Atlantic ridge

Sentinel-2 MSI acquired on 30 May 2019 at 13:03:09 UTC
Sentinel-1 CSAR IW acquired on 10 July 2019 from 07:57:45 to 07:58:39 UTC
Sentinel-1 CSAR IW acquired on 12 July 2019 from 07:41:22 to 07:42:16 UTC

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Keyword(s): Geohazard, geology, rift valley, volcanism, lake, national park, UNESCO World Heritage site, Iceland

[2D Layerstack](#)

Fig. 1 - S1 (10 & 12.07.2019) - vv,vh,ndi(vh,vv) colour composite - A volcanic island, Iceland sits on the mid-Atlantic ridge.

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

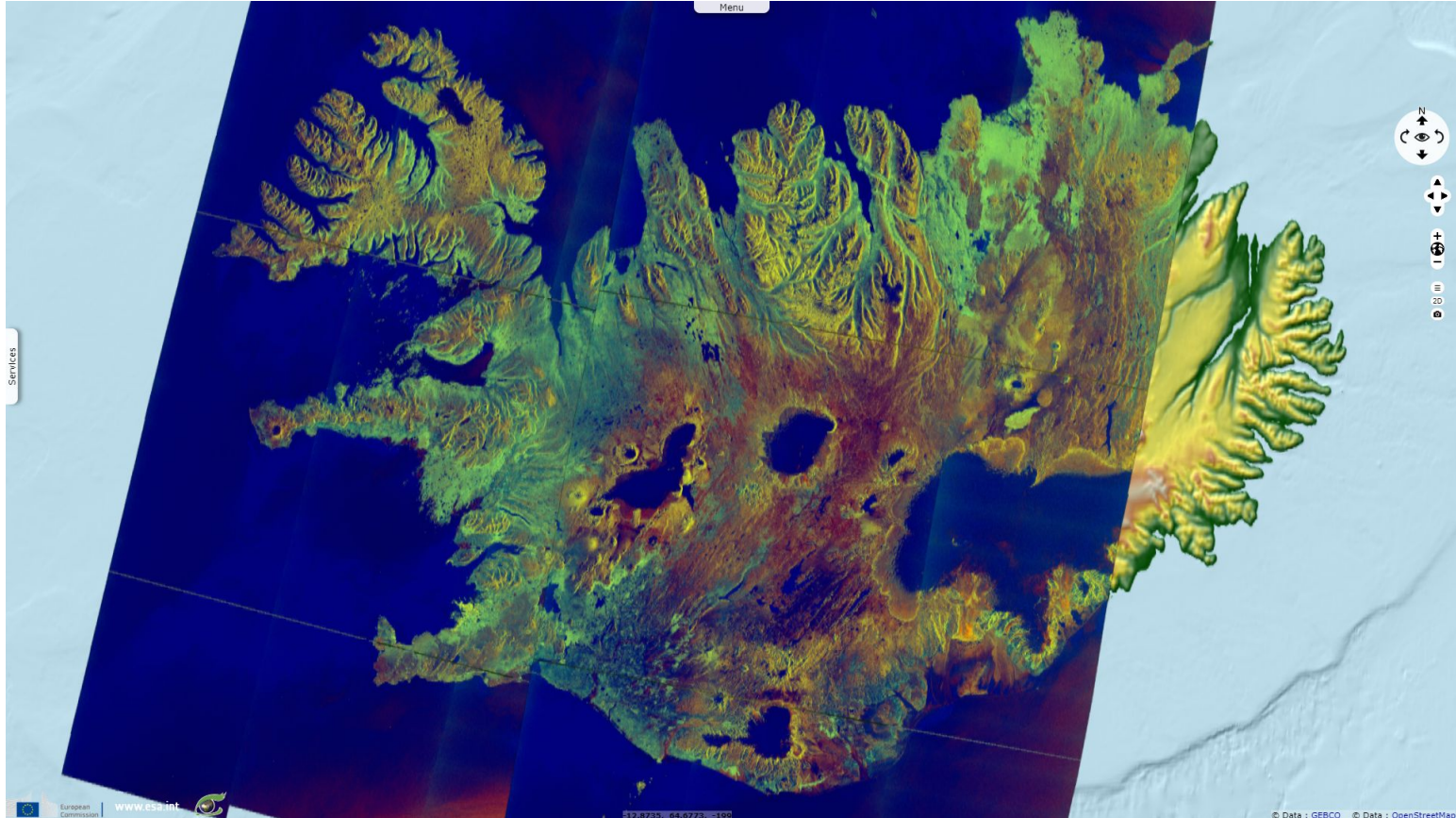


Fig. 2 - S2 (30.05.2019) - 11,8,2 colour composite - From the north pole, the ridge runs south until Iceland where it takes a S-W path.

[3D view](#)



A small rift zone is visible at S-W where NE-SW oriented Silfrugjá (Silfra), Flosagjá & Almannagjá faults meet to form Þingvallavatn rift lake.

Fig. 3 - 8,4,3 colour composite - The 84 km² large and 114 m deep lake lies within the graben depression that forms Þingvellir National Park. [3D view](#)

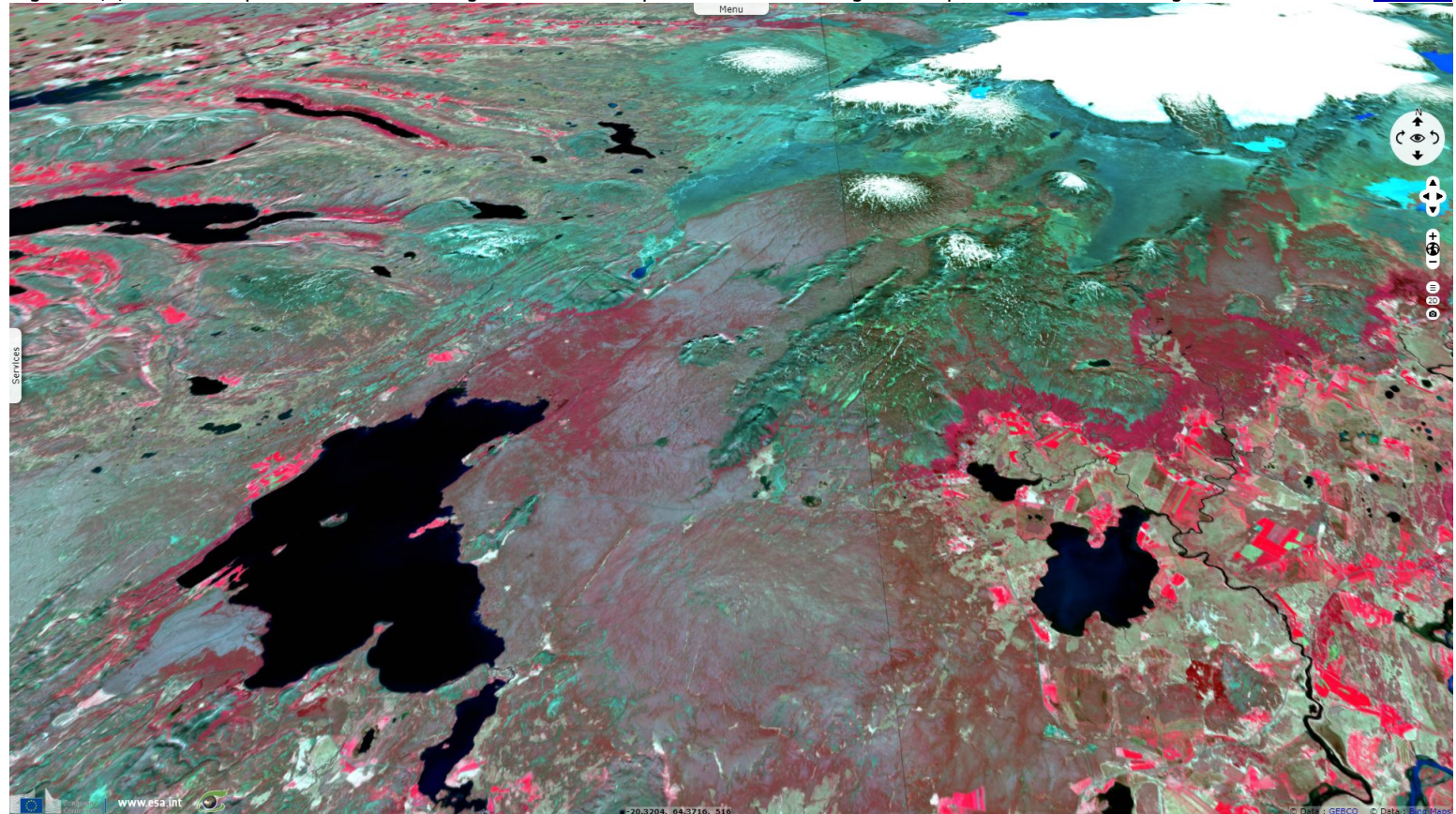
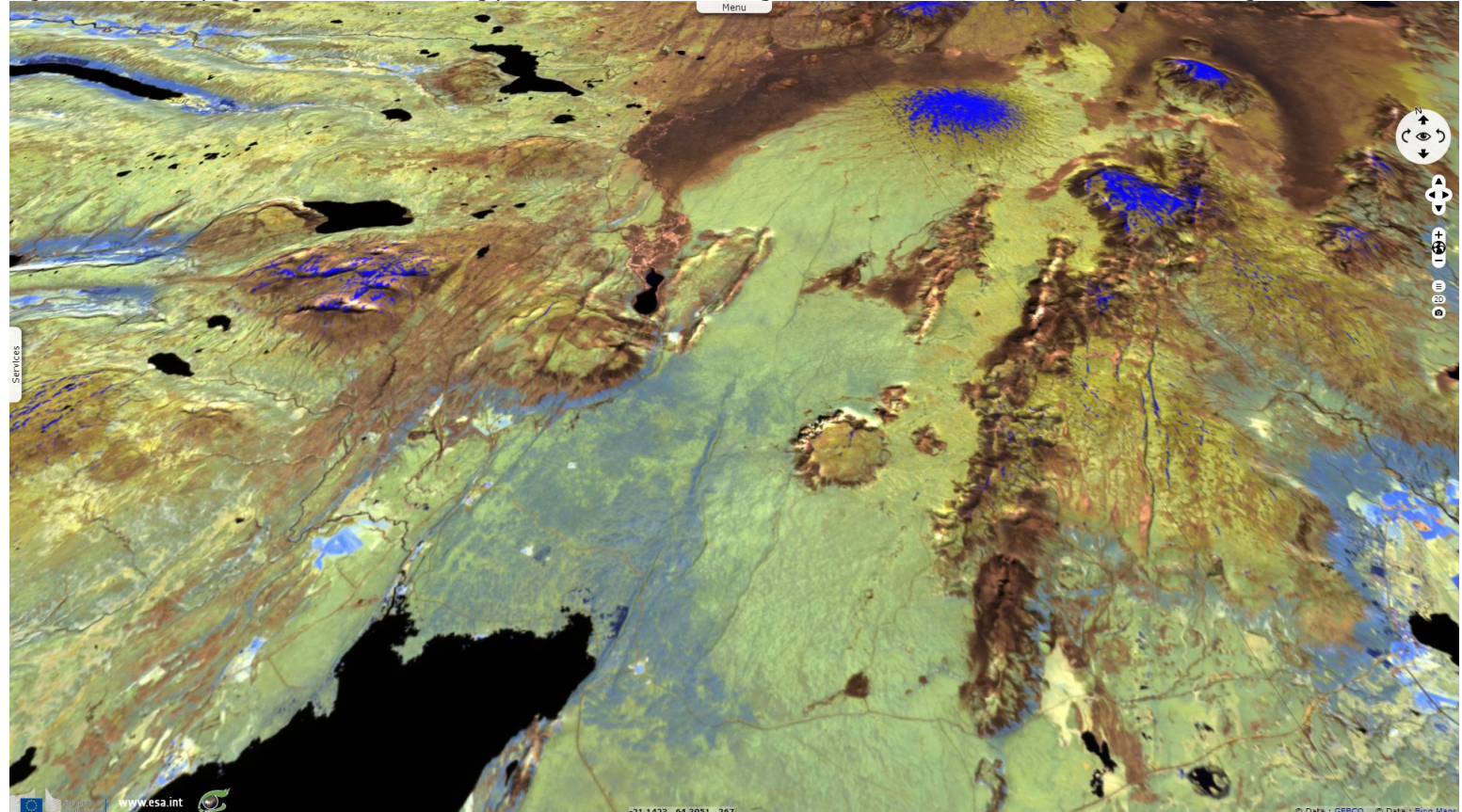














Fig. 4 - 12,11,8 - Alþingi, world's oldest surviving parliament, was held in Þingvellir from 930 to 1798, granting its World Heritage status. [3D view](#)



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