

# Forecast of Total Electron Content over Europe for disturbed ionospheric conditions

to help users mitigating the impact on communication systems.

mean time, season and location.



storms (minimum Dst below -200 nT) in red color.

by





define the onset of ionospheric storms.

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As one can see in the Figure a good agreement between model and observation is reached, enabling a forecast of perturbed TEC in the ionosphere.







\*) The AFFECTS consortium partners are University Göttingen, Royal Observatory of Belgium, National Academy of Sciences and National Space Agency of Ukraine, Fraunhofer IPM, University of Tromsø, German Aeropace Center, Astrium GmbH and Space Weather Prediction Center of NOAA.