



Heatwave Monitoring and Forecast Using Excess Heat Factor Index (Experimental)

Dated: 31-05-2023
Time of Issue: 12:00 Hrs IST

Tmax & Excess Heat Factor
2023-05-30

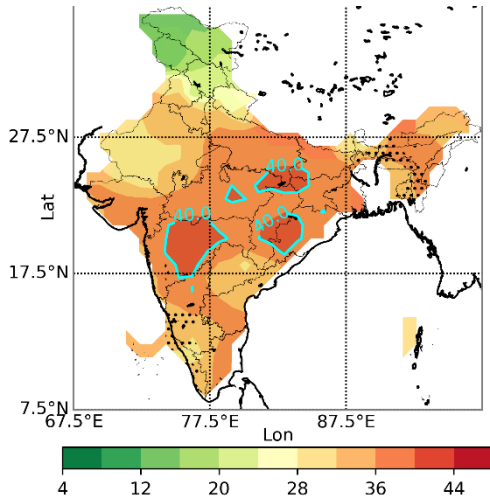


Figure 1: Shades represent Tmax. Excess heat factor (EHF) index with values greater than zero as dotted regions.

Over the Indian Regions marked by dots, (if exist) are under heat stress watch condition.

Excess Heat Factor Tendency
2023-05-30

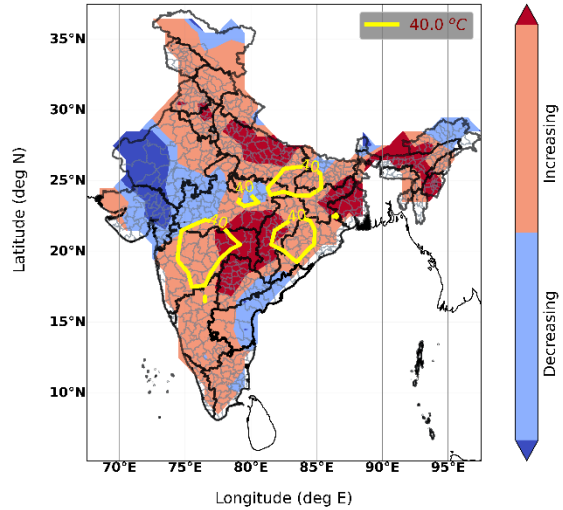


Figure 2: Shades represent tendency of EHF over last three days. The yellow contour shows the highest observed range of Tmax.

Regions with increasing EHF tendency and with Tmax contour ≥ 40.0 °C, if exist (refer fig 2 legend), are likely to progress towards heatwave type of condition.

EHF Forecast

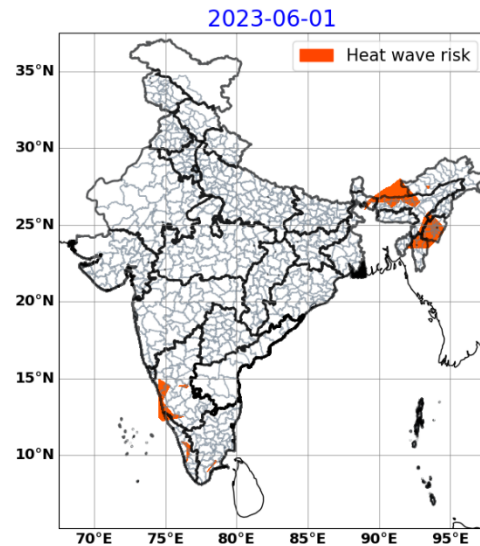
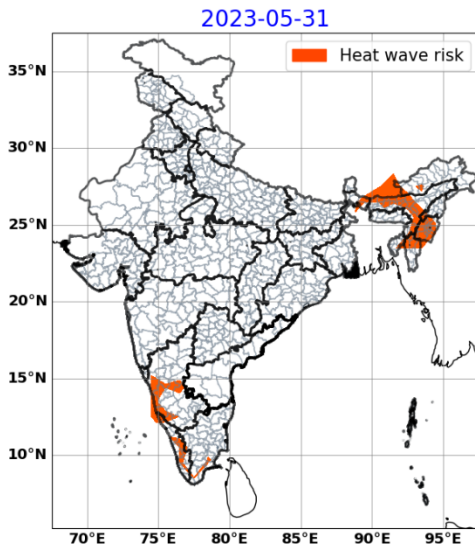


Figure 3: Prediction of EHF index for next 48 hours (from 8 am 31 May, 23) based on LSTM model.

The regions coloured in orange red are those regions with EHF > 0.0 and should be watchful for heatwave type of conditions.

For queries/feedbacks/suggestions related to this experimental product, please contact caupune@gmail.com / rajib.chattopadhyay@imd.gov.in

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