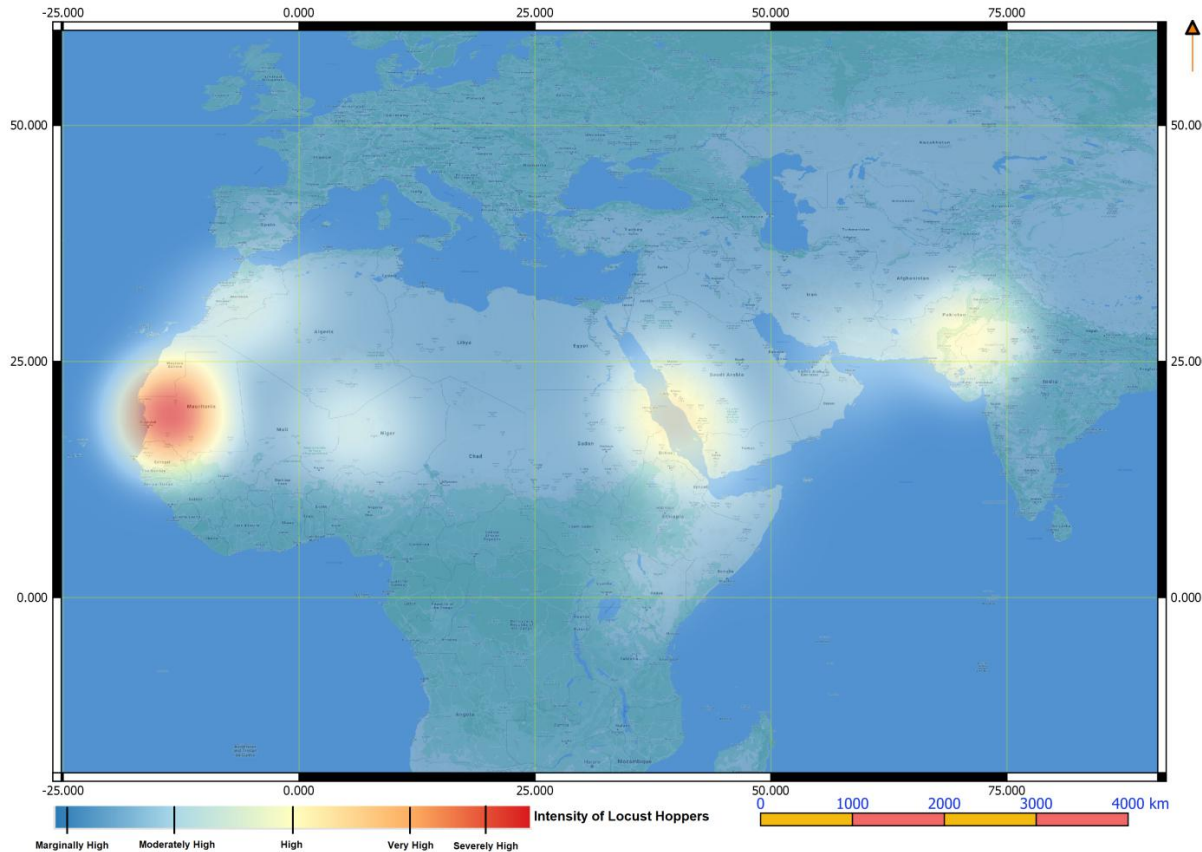




nrsc



Heat-map generated using Kernel density estimation algorithm applied over the point data representing Hoppers sightings from 1985 to mid-2020.

Locust Surveillance Using Geospatial Technology Bulletin is issued by Regional Remote Sensing Centre (West), NRSC/ISRO – Jodhpur. RRSC-W continuously monitors the weather and ecology to provide early warning based on survey and control results from Locust Warning Organisation (LWO), Jodhpur combined with remote sensing inputs.

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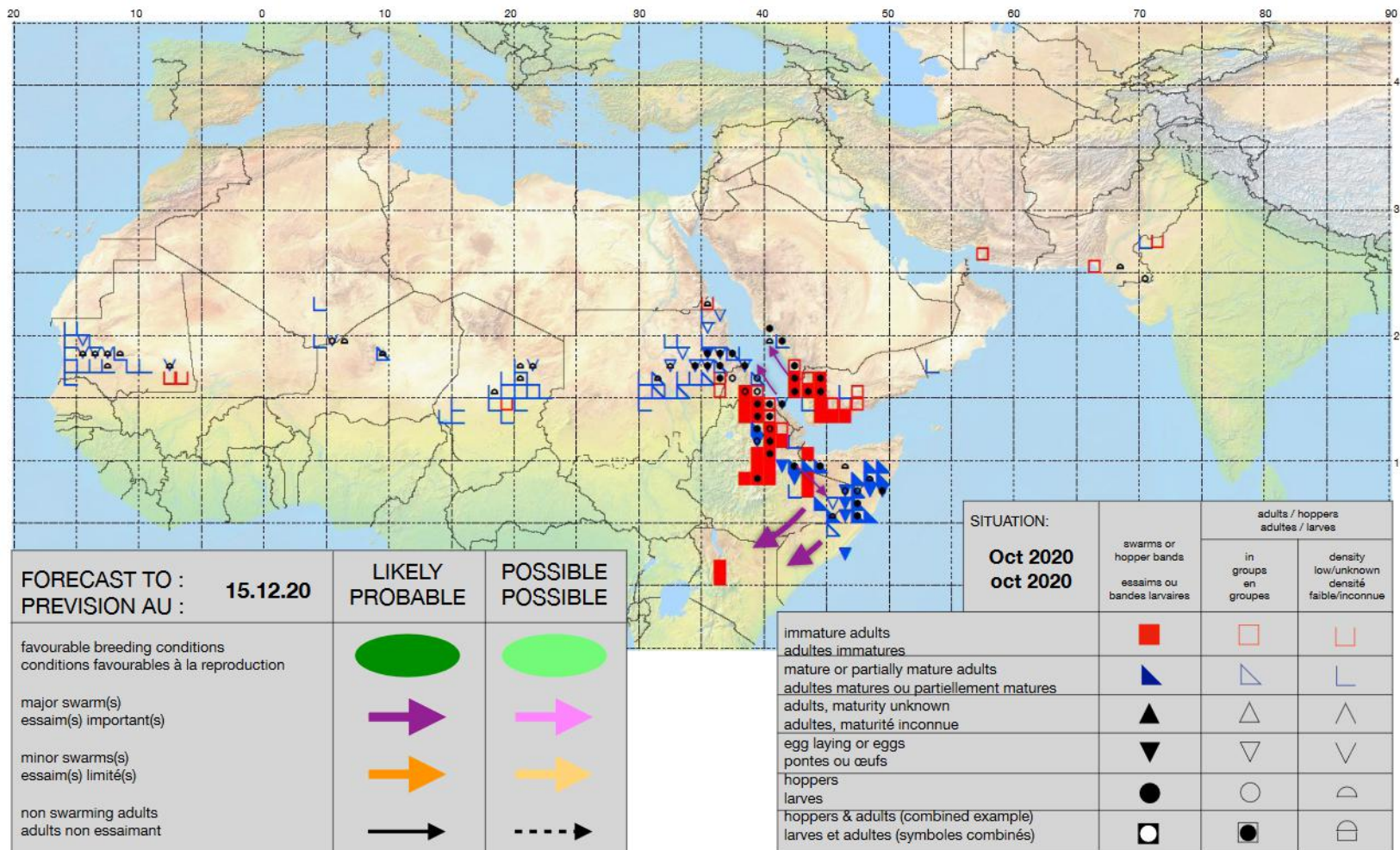
- Locust Update
- False Color Composite (FCC) and NDVI
- Land Surface Temperature
- Leaf Area Index (LAI)
- Wind Vectors
- Surface Soil Moisture Map
- Root-Zone Soil Moisture Map

Please send your feedback to
rrsc_w@nrsc.gov.in or ssrao@nrsc.gov.in

Locust Update

Status

During October, a small group of immature adults were sighted in Hormozgan province (Iran). In Pakistan, new mid-instar hopper groups were seen in Tharparkar district and along the Indus river. As far as India is concerned, results from various surveys confirmed presence of no locusts in Rajasthan and Gujarat states.

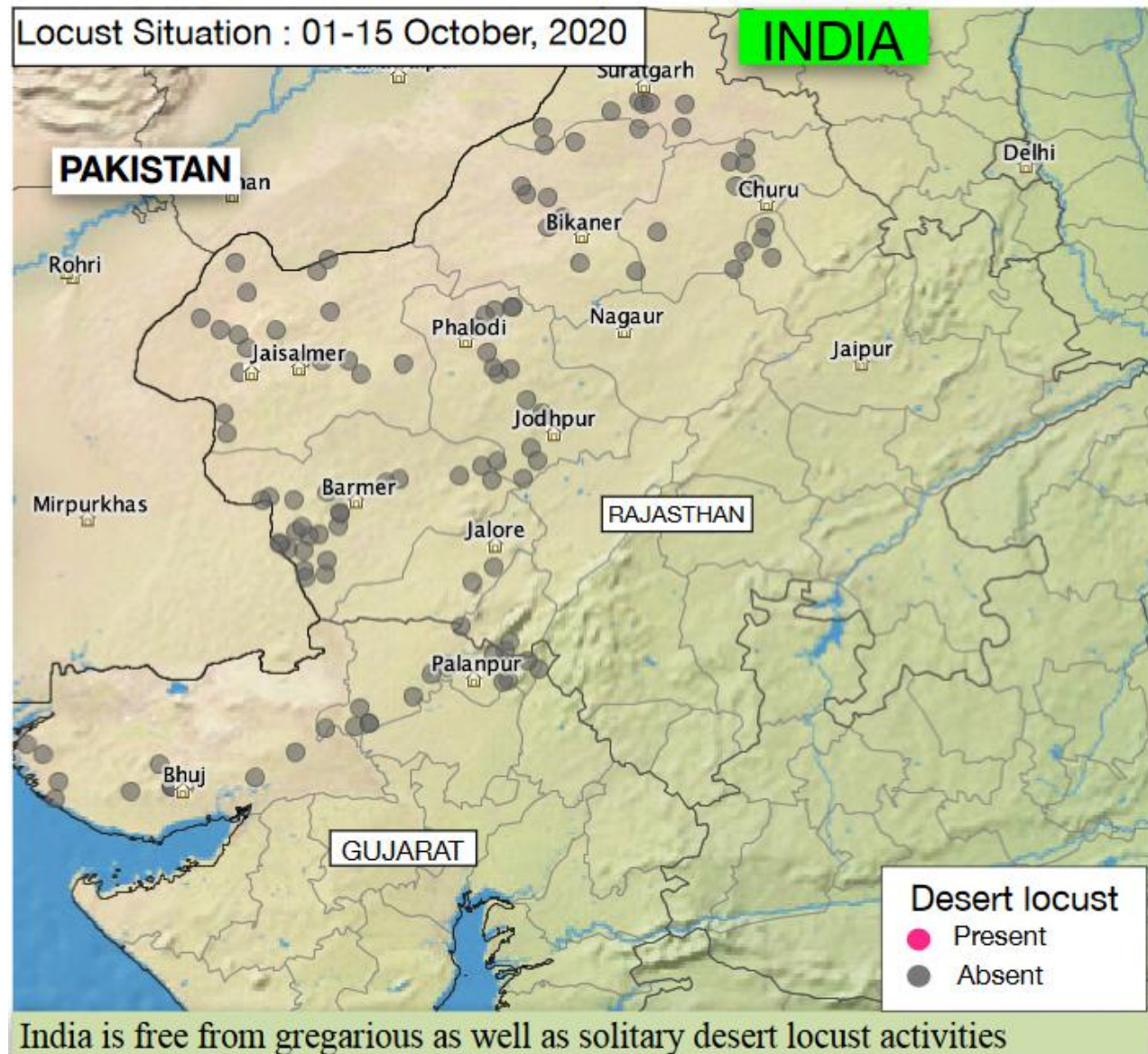


Source: Desert Locust Global Situation update 2nd November 2020 by Food and Agriculture Organisation, UN.

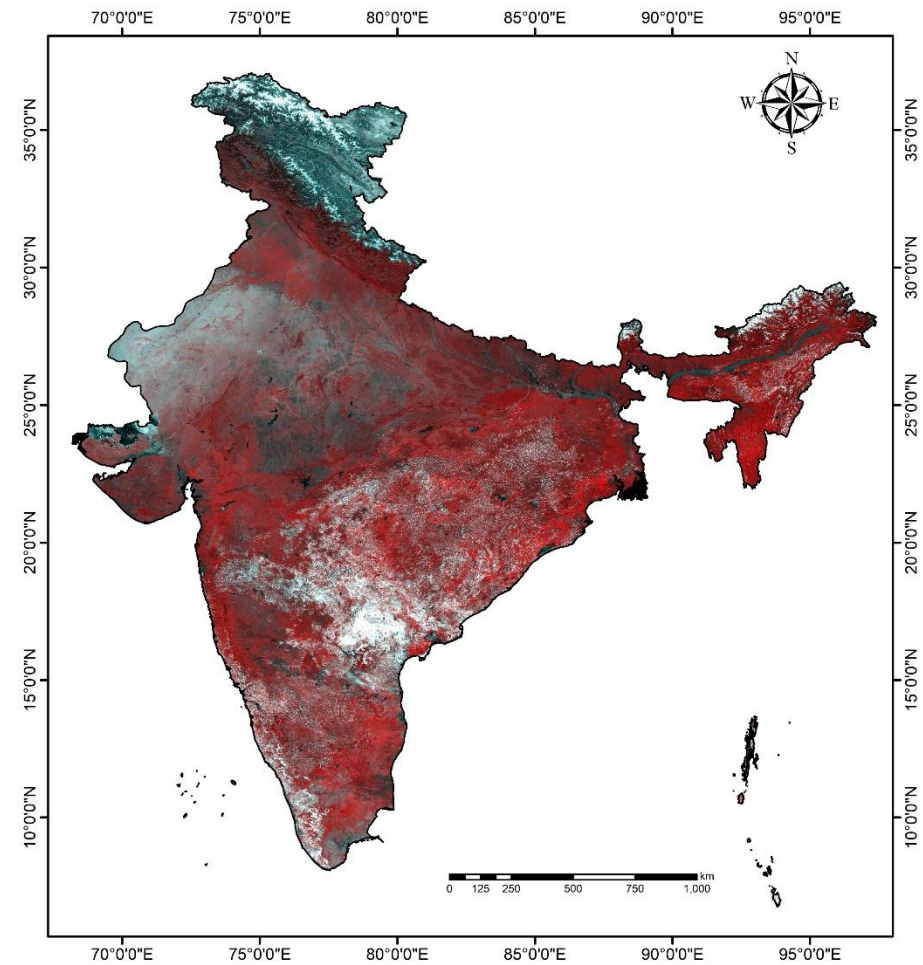
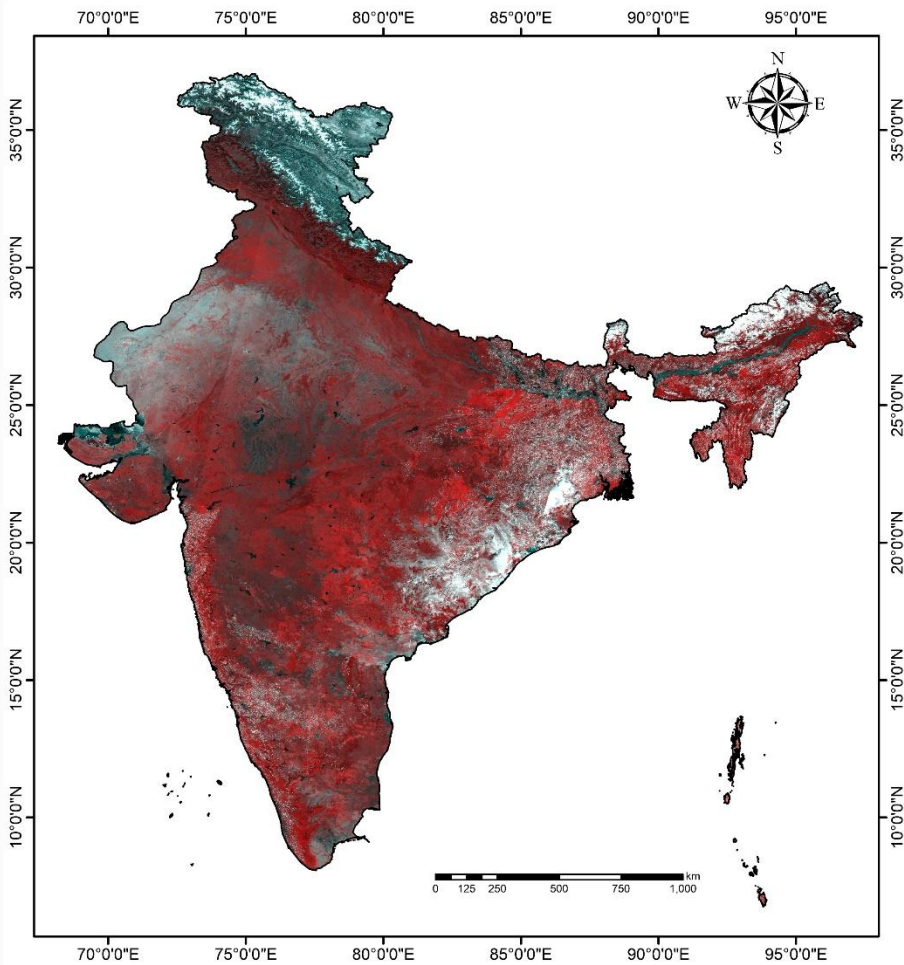
Locust Update

Status

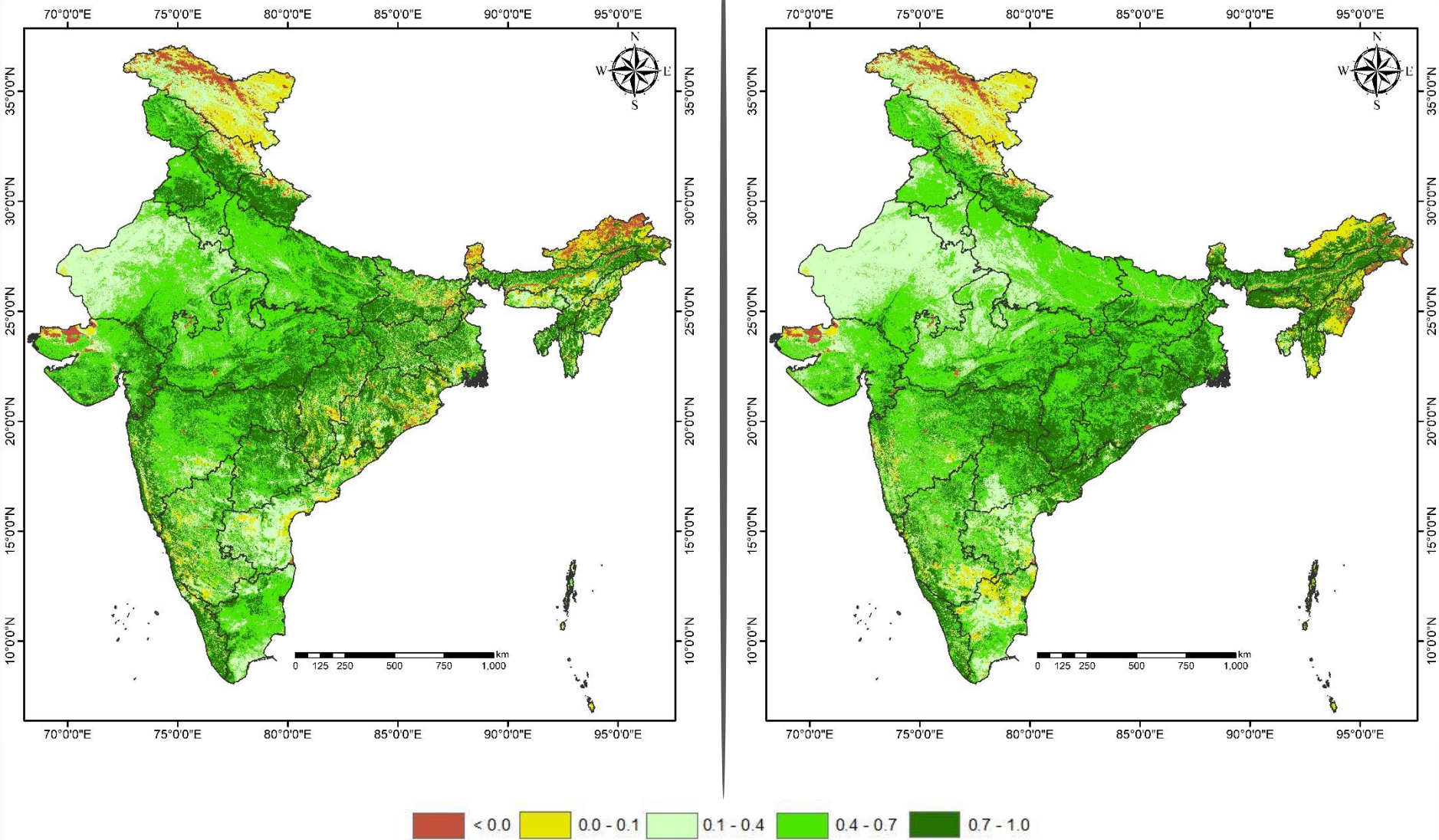
During the routine survey, it has been observed that India is free from gregarious as well as solitary desert locust activities during the first fortnight of October, 2020.



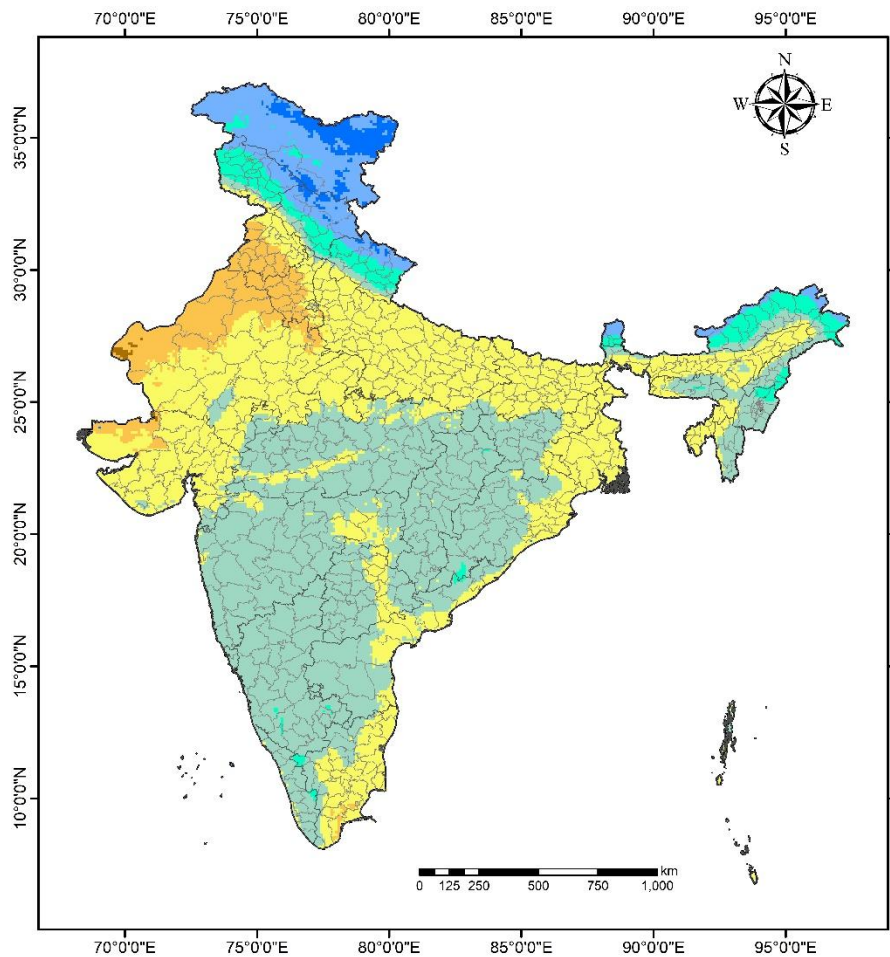
False Colour Composite (FCC)



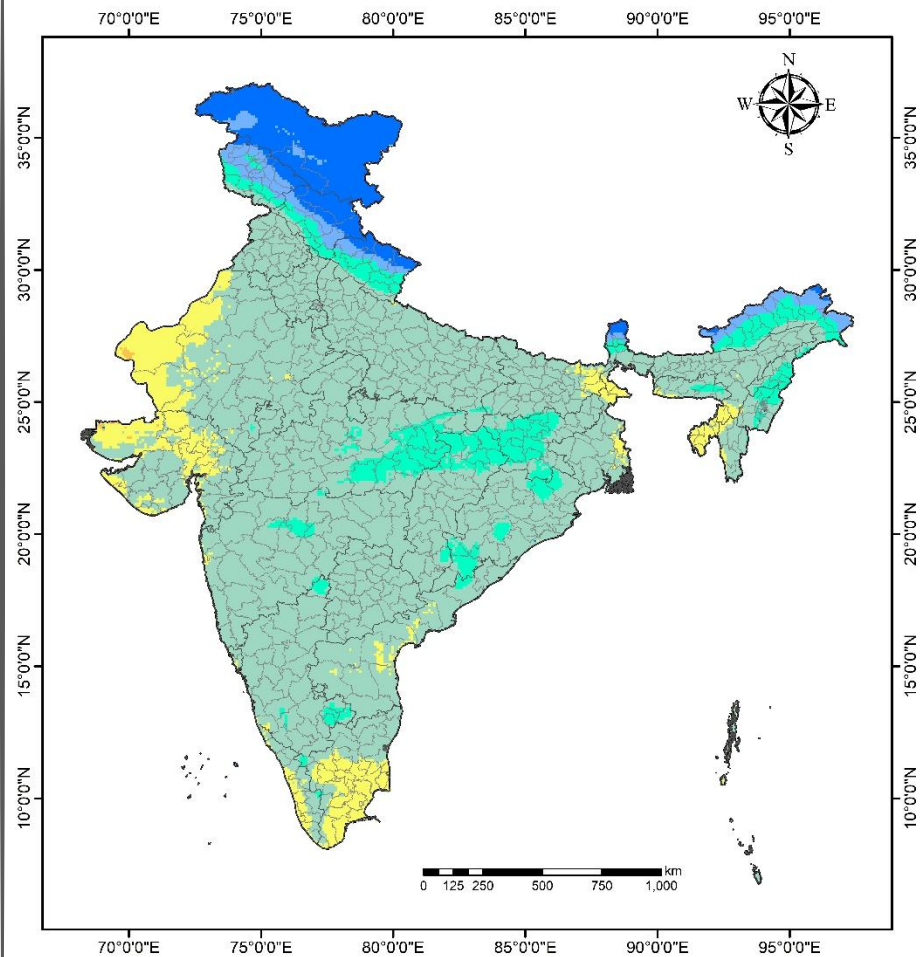
Normalized Difference Vegetation Index (NDVI)



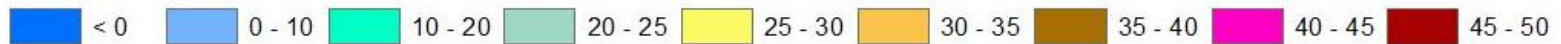
Land Surface Temperature (°C)



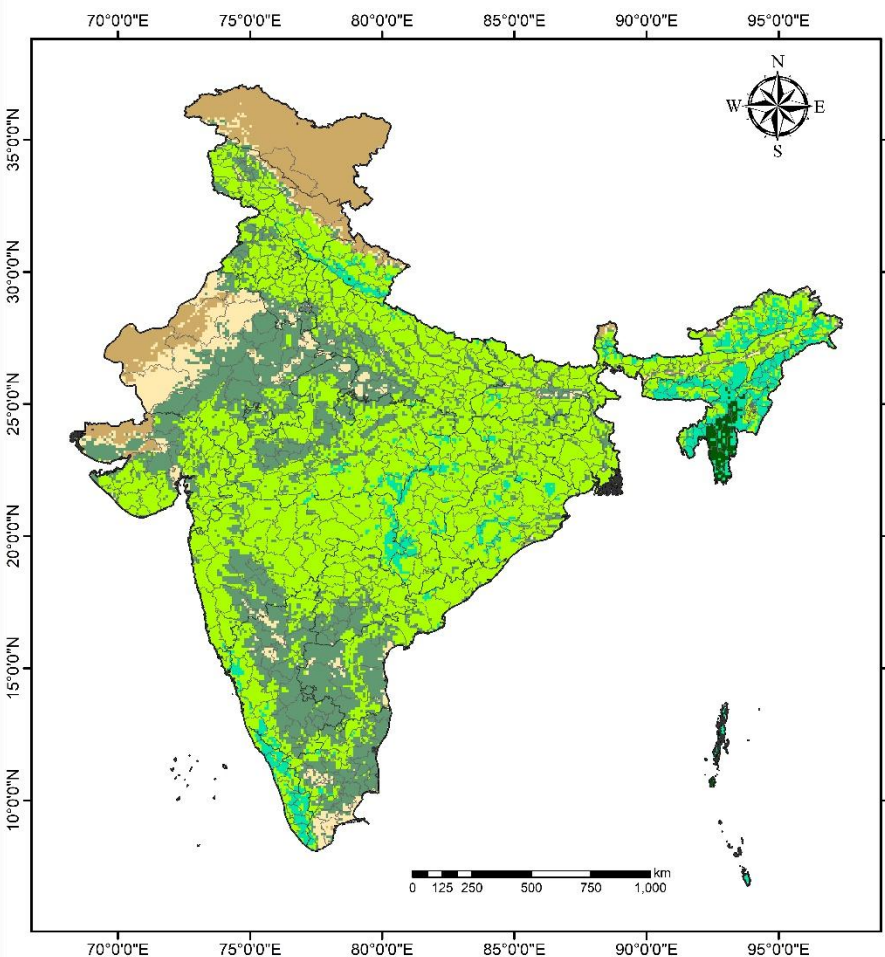
19:00 Hrs. IST of 1st Oct - 2020



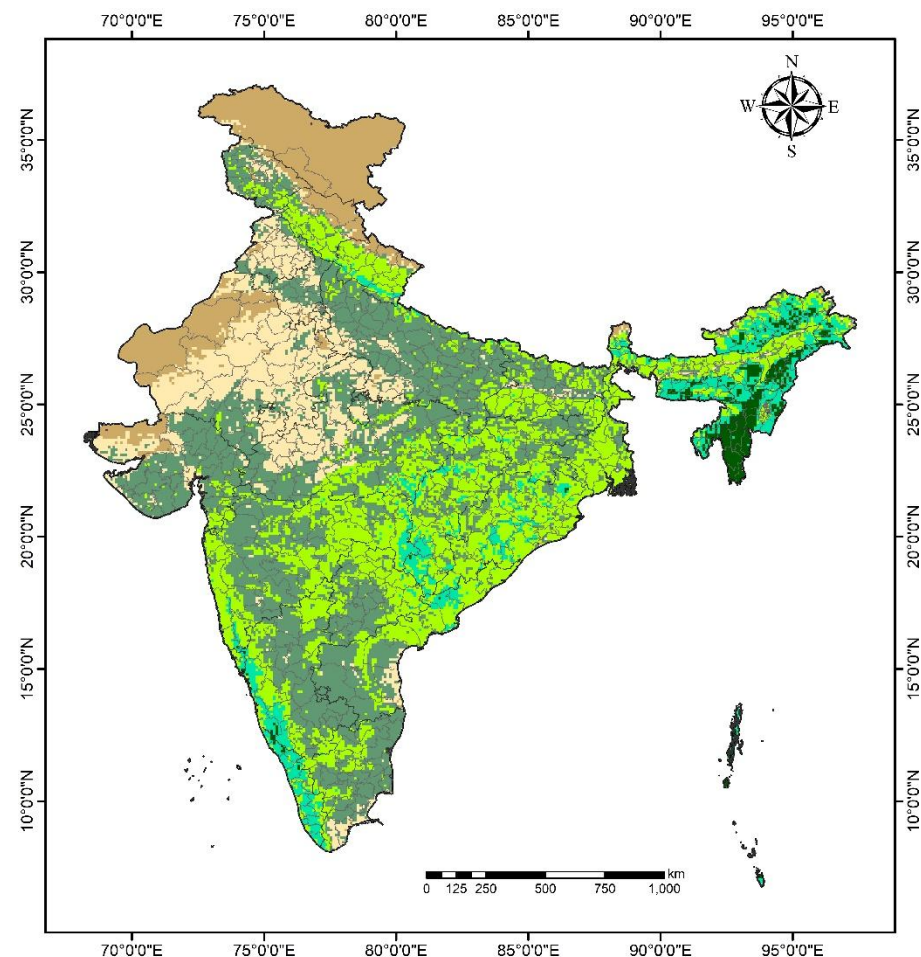
19:00 Hrs. IST of 29th Oct 2020.



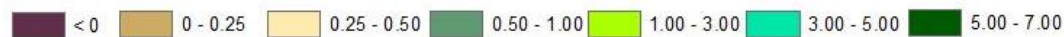
Leaf Area Index (LAI)



19:00 Hrs. IST of 1st Oct 2020.

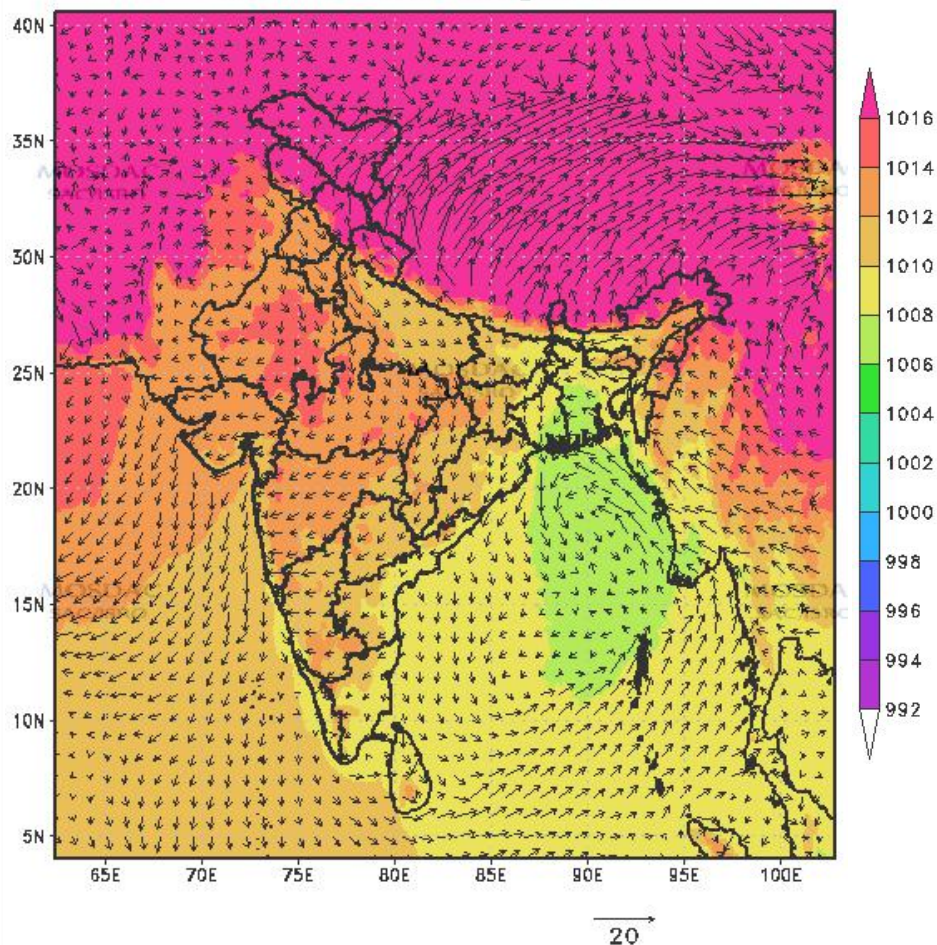


19:00 Hrs. IST of 29th Oct 2020.

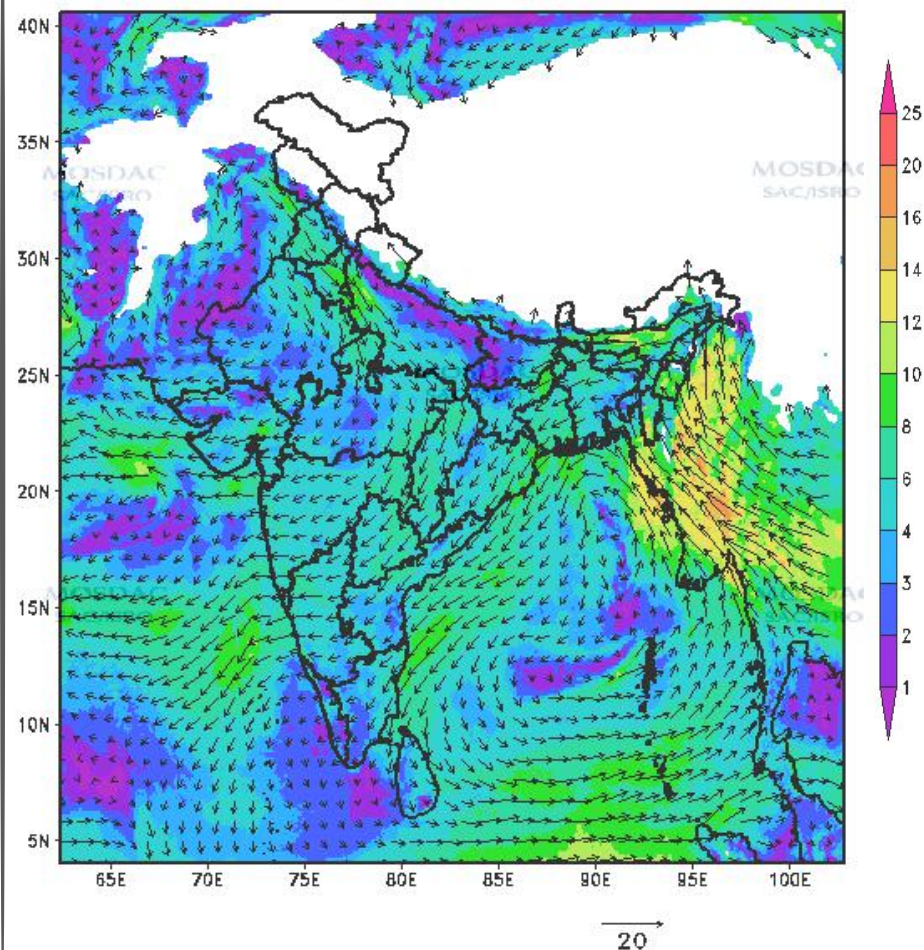


Wind Vectors

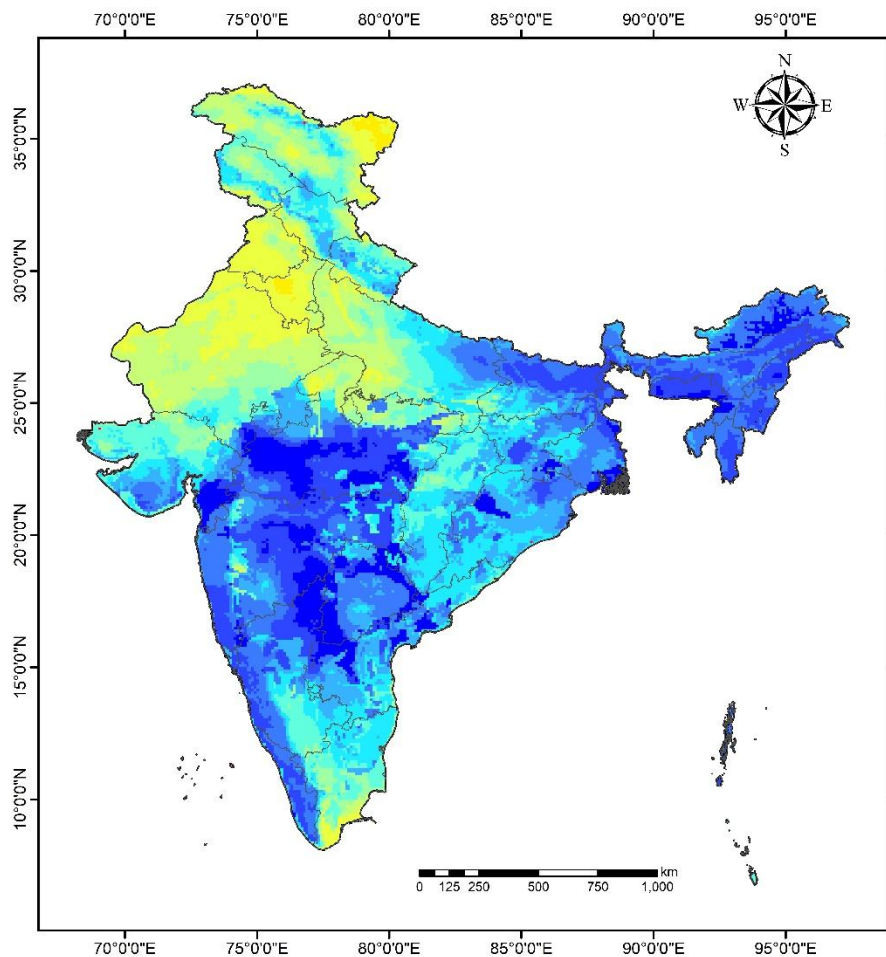
30hr Forecast valid for 1130 IST 31OCT2020
MSLP & 10m height Wind



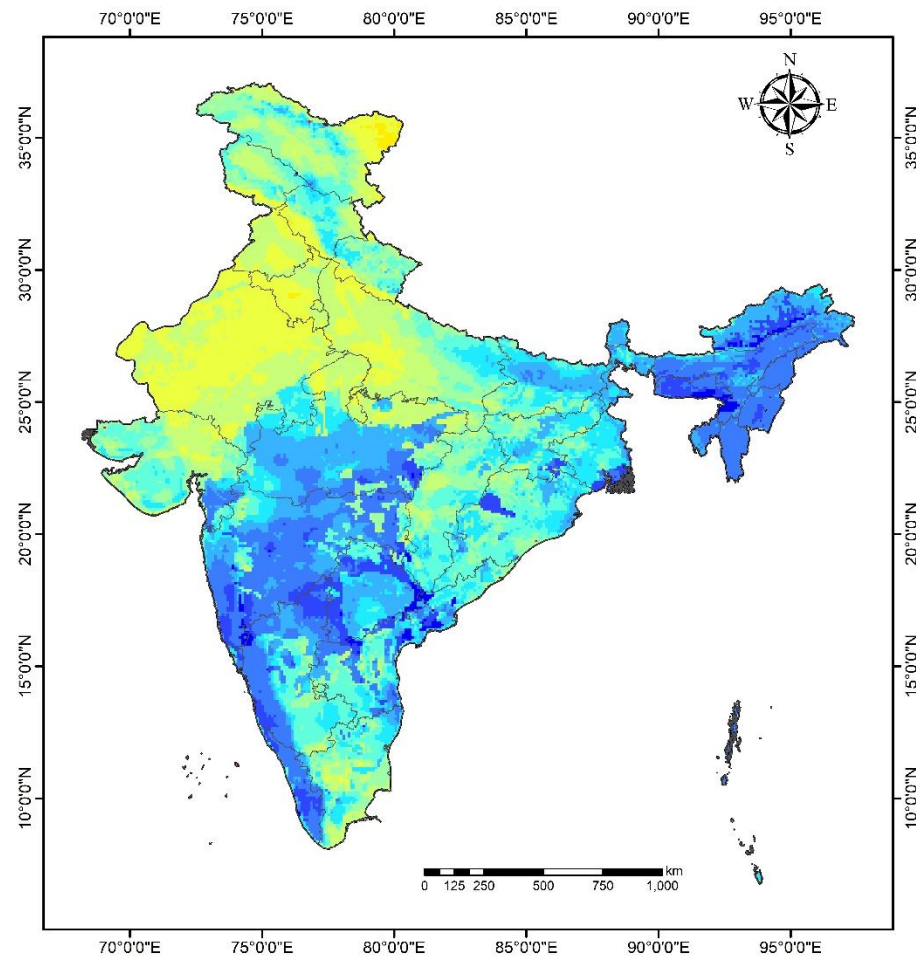
30hr Forecast valid for 1130 IST 31OCT2020
850 hPa Wind



Surface Soil Moisture Map (%)



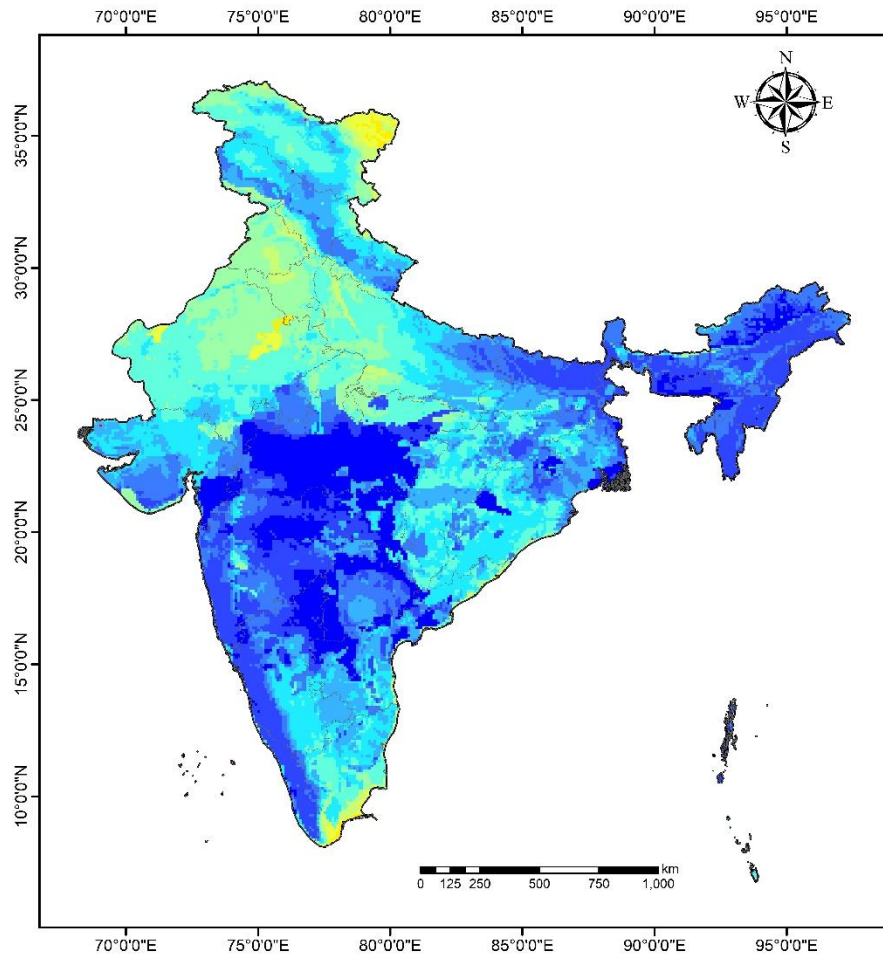
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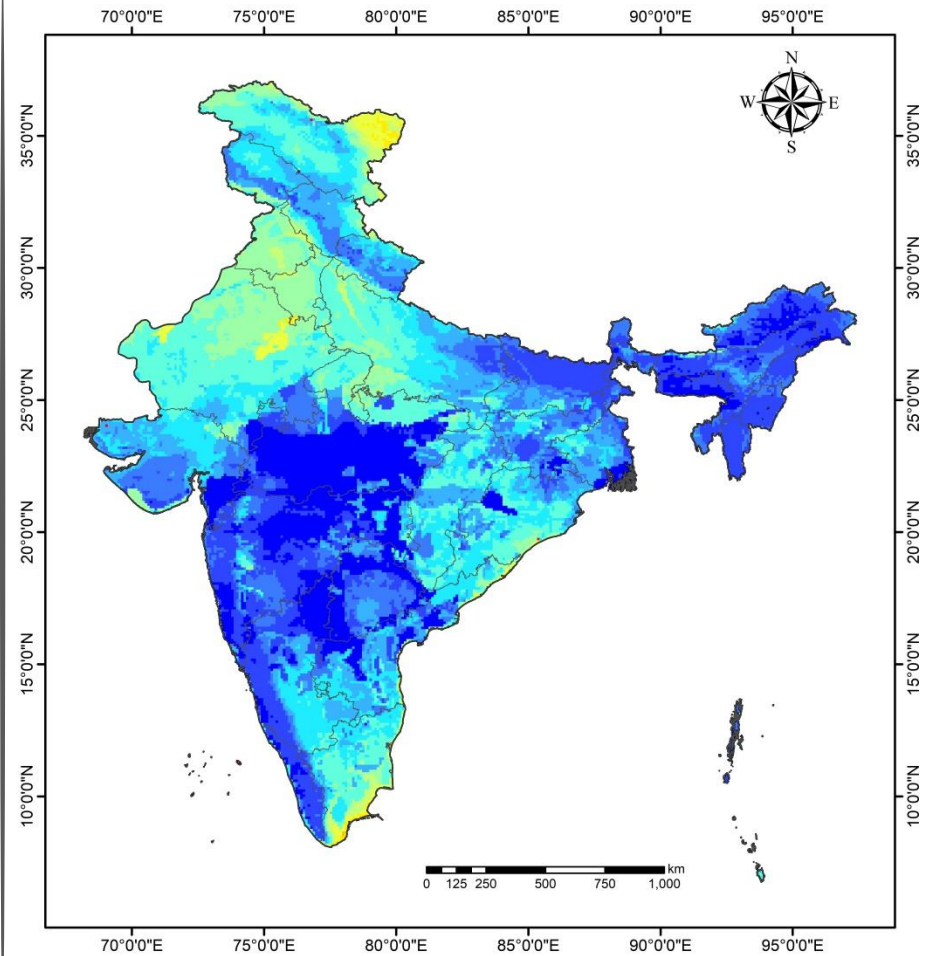
19:00 Hrs. IST of 29th Oct 2020.



Root-Zone Soil Moisture Map (%)



19:00 Hrs. IST of 1st Oct 2020.



19:00 Hrs. IST of 29th Oct 2020.

