



**23<sup>rd</sup> Session of the South Asian Climate Outlook Forum (SASCOF) & Climate Service User Forum (CSUF)**

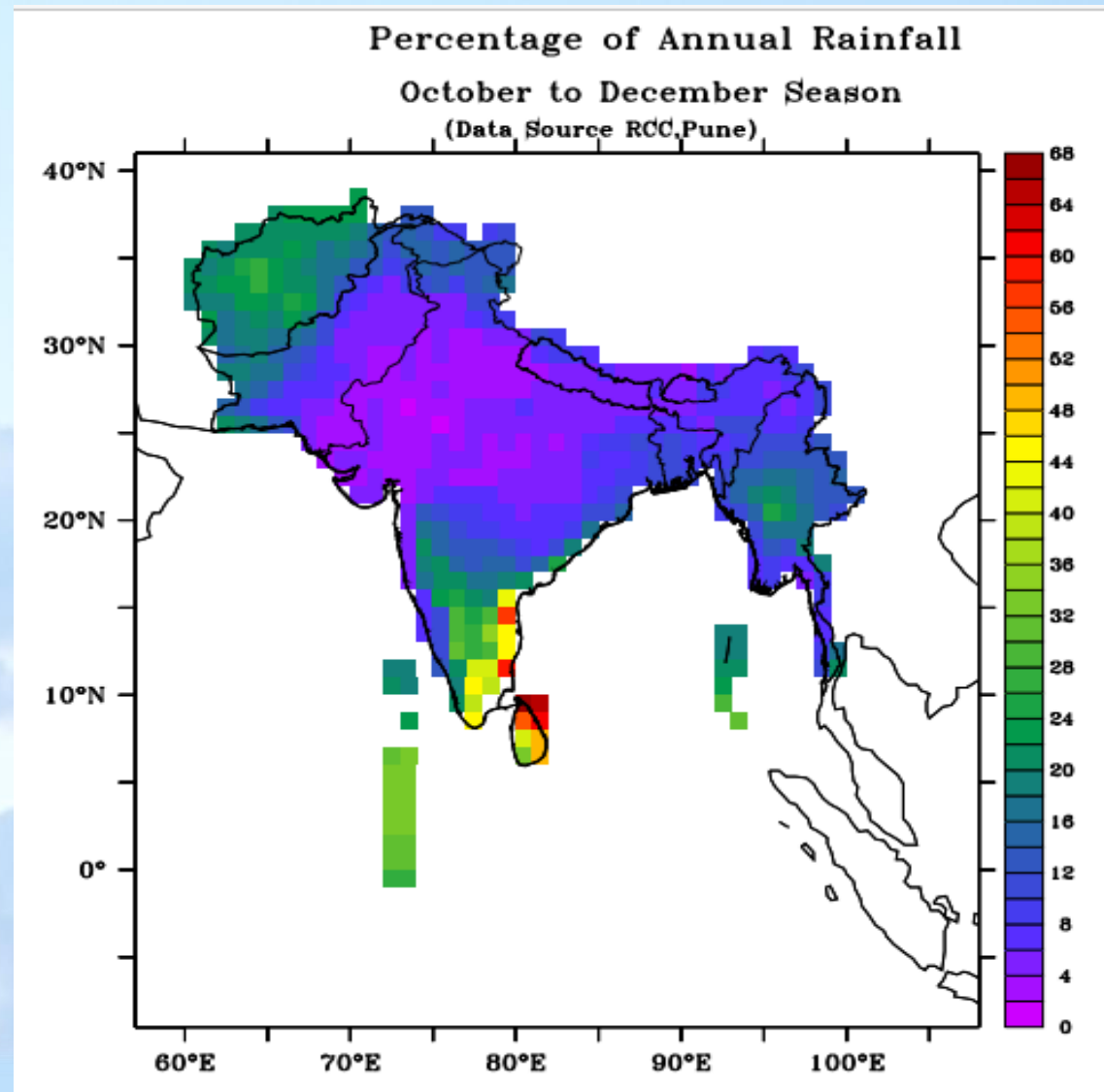
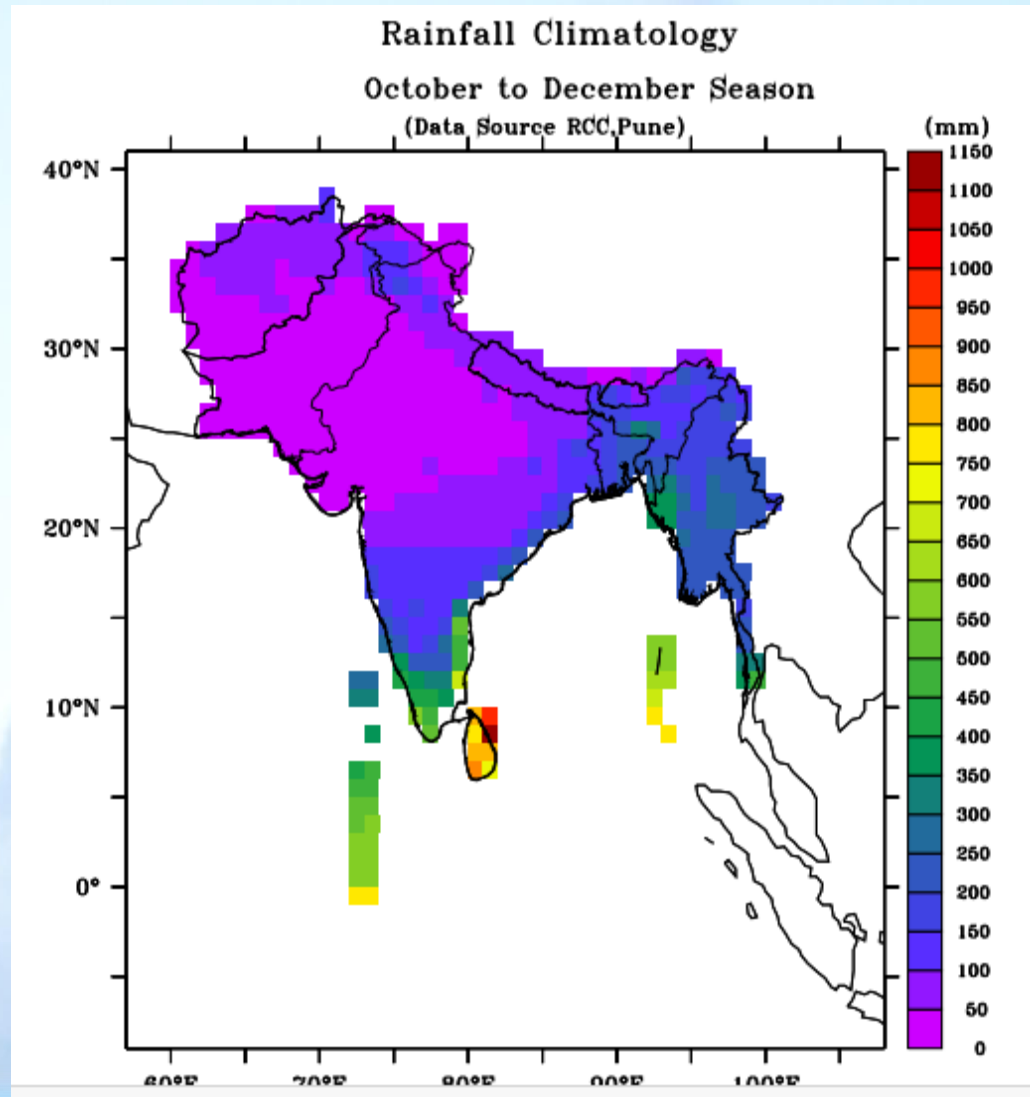
**29 September 2022**

# **Consensus Outlook for October to December 2022 season rainfall & Temperature over south Asia**

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# Rainfall Climatology over South Asia Region during October to December Season

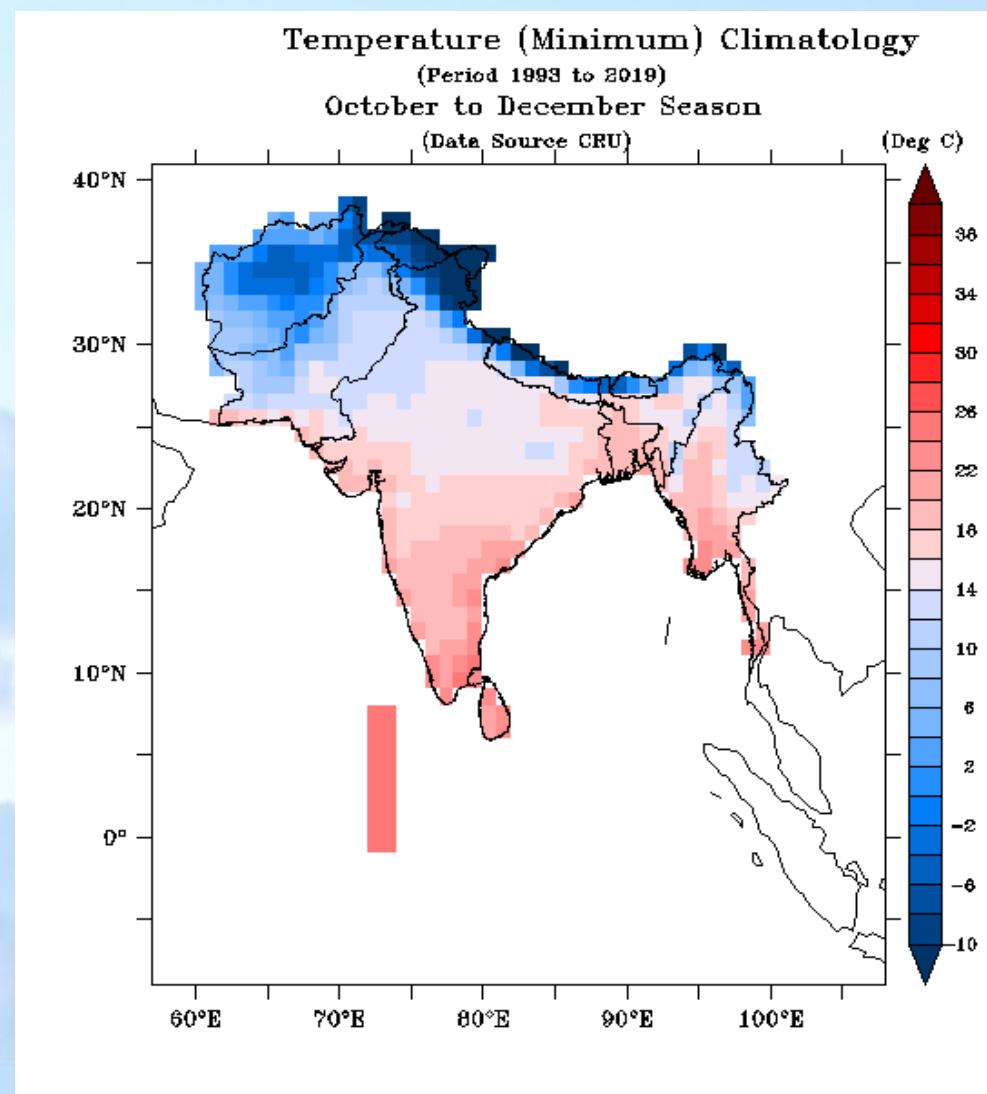
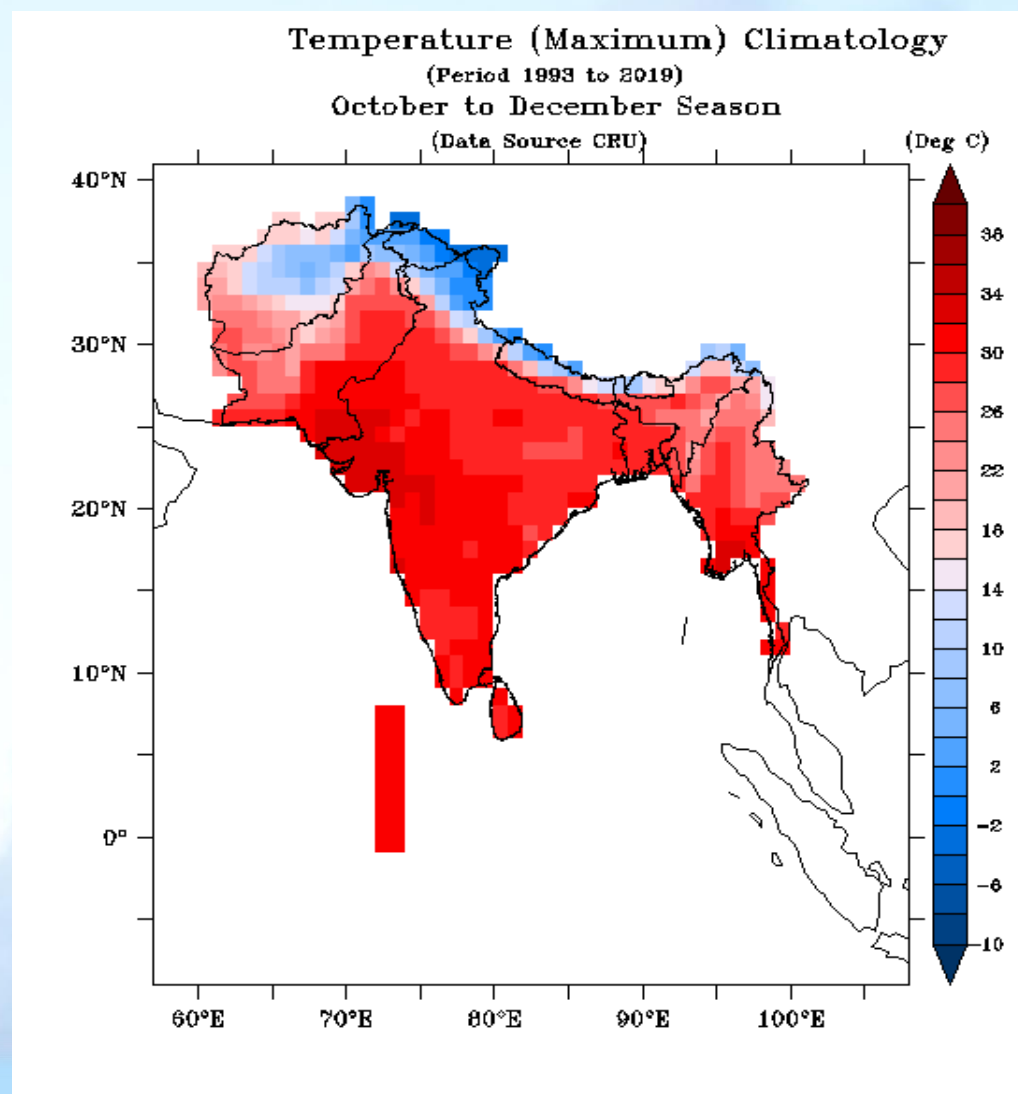


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# 3 Temperature Climatology (Max & Min) over South Asia Region during October to December Season



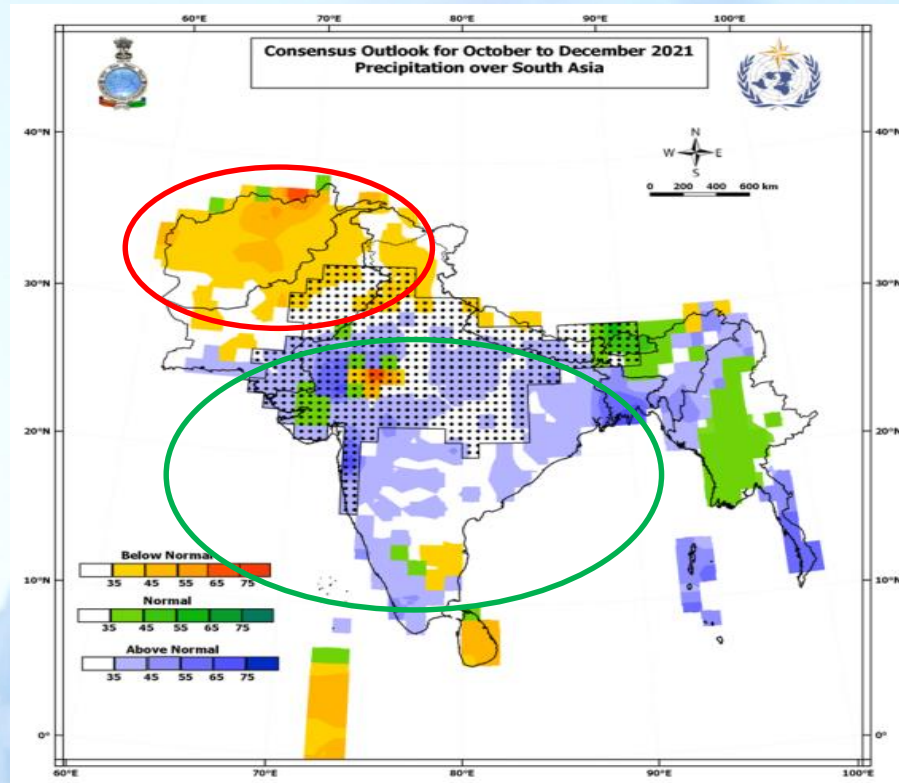
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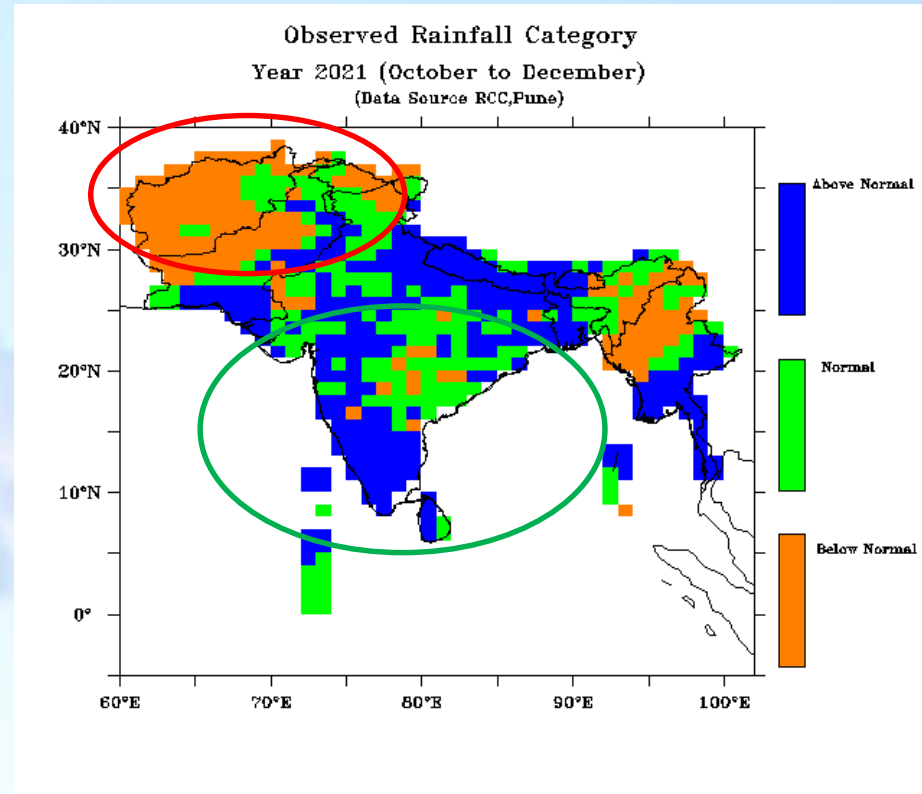


# Verification SASCOF Outlook OND 2021

## SASCOF20 Rainfall Outlook OND 2021



## Observed Rainfall Category OND 2021



Below normal rainfall was received over most of the areas of north and north-west regions of South Asia could correctly indicated in the outlook. Above normal rainfall was received over most areas of central, south and along the foothills Himalayas also correctly predicted. Thus, the consensus outlook for the 2021 October to December season rainfall was accurate in most areas, However, above normal rainfall received over the southern part of the south Asia could not predict in the outlook.



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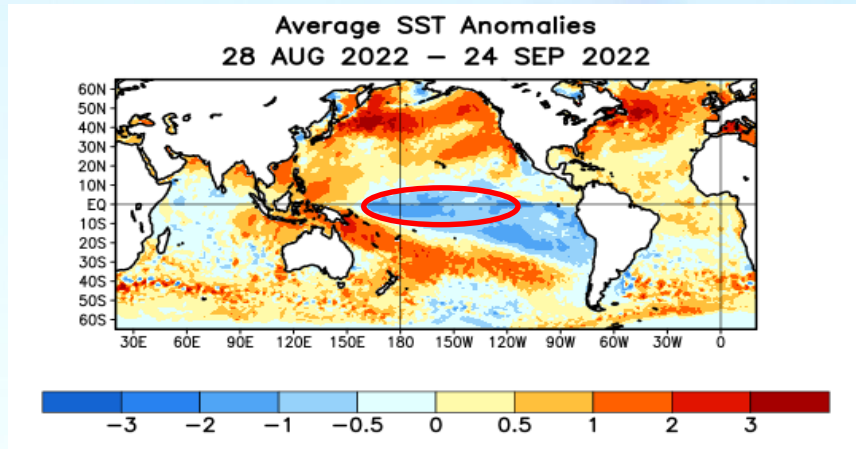
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# Latest Global SST Departures (°C) and ENSO Conditions over Pacific

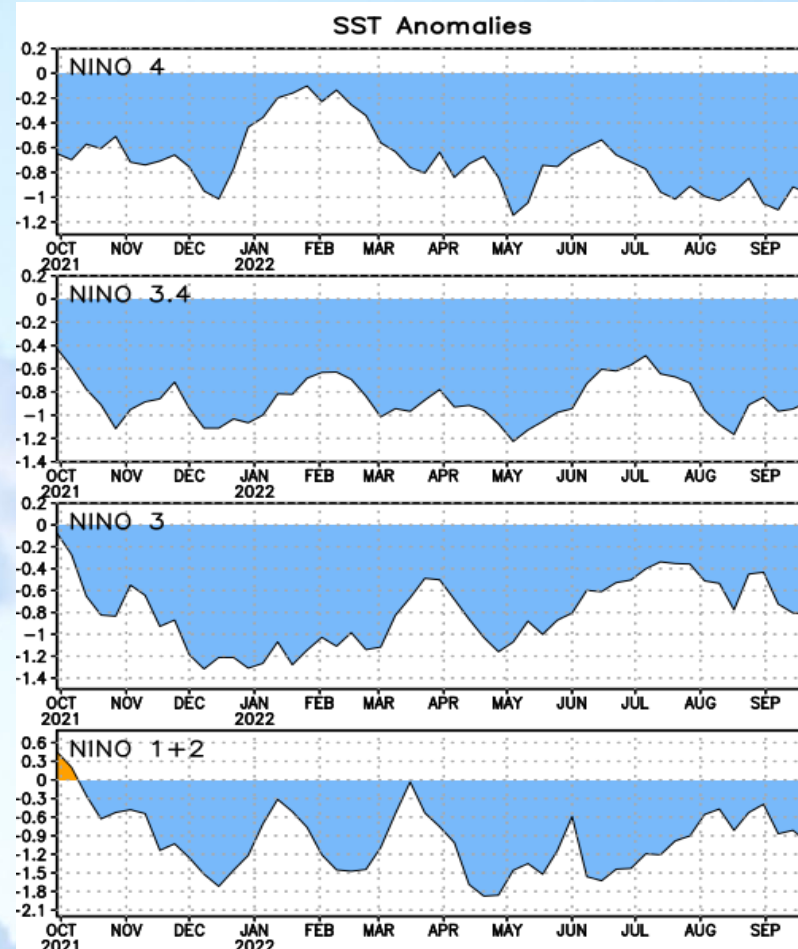
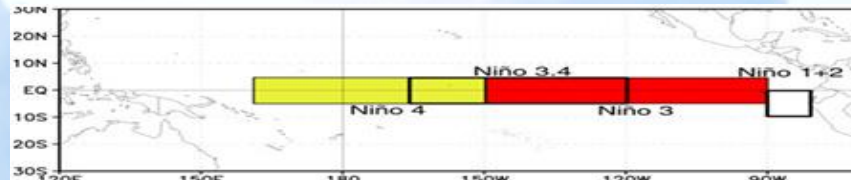
## Recent evolution of NINO SSTs



The latest weekly SST departures are:

Niño 4	-1.0°C
Niño 3.4	-0.9°C
Niño 3	-0.8°C
Niño 1+2	-1.0°C

Data source  
CPC, USA

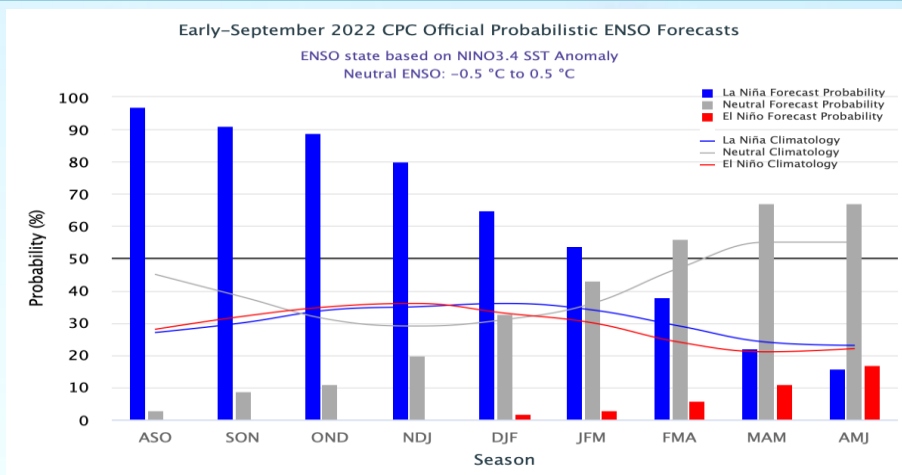


Data source  
CPC, USA

During the last four weeks, equatorial SSTs were below average across most of the Pacific Ocean. Equatorial SSTs were above average around Indonesia and in parts of the Atlantic Ocean

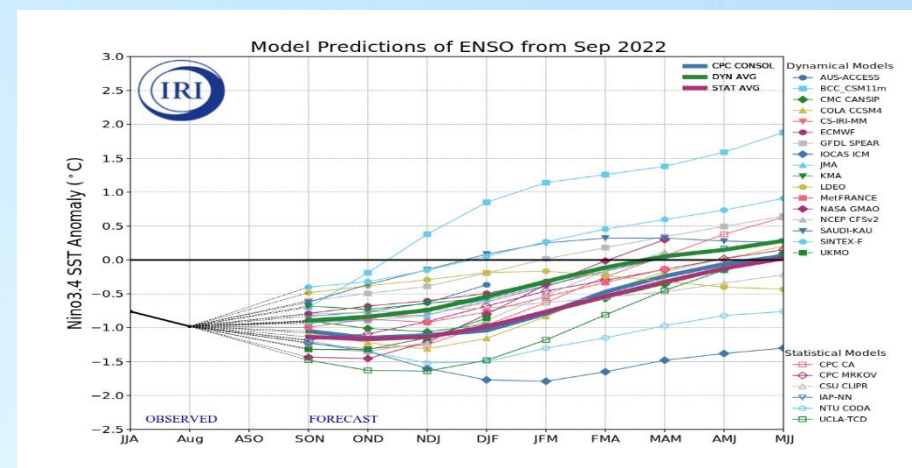


# Latest ENSO & IOD Forecast : Sep 2022

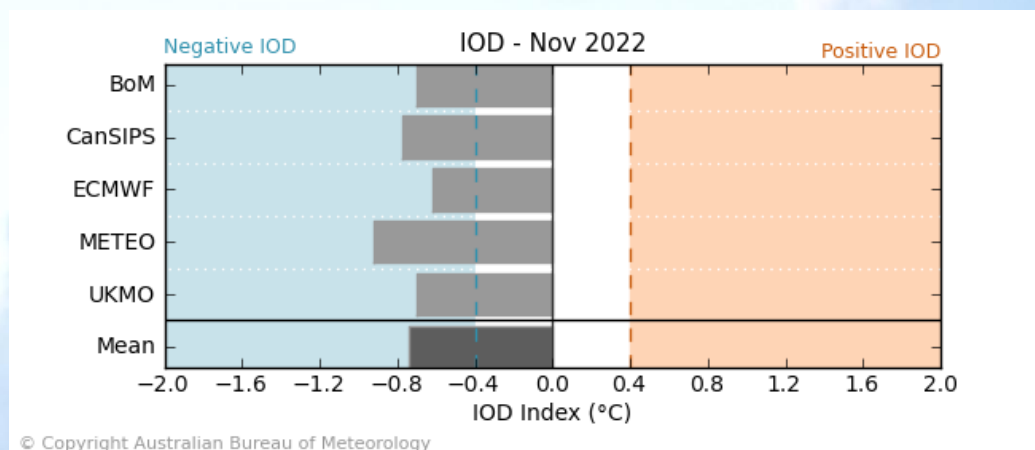


**ENSO**

Chances of La Niña gradually decrease through the Northern Hemisphere fall and winter, with ENSO-neutral favored beginning in February-April 2023.

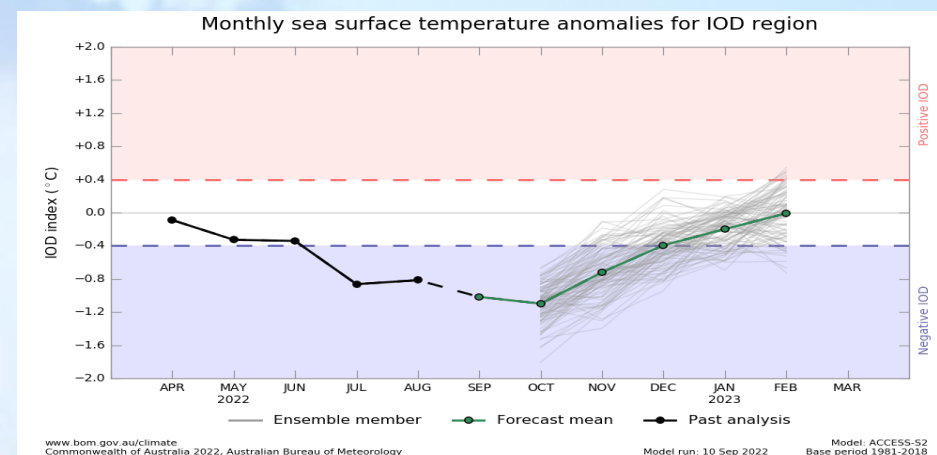


Most models indicate La Niña conditions to continue up to end of the year



**IOD**

Many models indicate prevailing negative IOD conditions likely to continue up to end of the year.



Bureau of Meteorology model also indicate negative IOD conditions likely to continue during the season.



# ENSO IOD outlook for Oct-Dec 2022 season

- Currently La Niña conditions are prevailing over equatorial Pacific region and negative Indian Ocean Dipole (IOD) conditions are prevailing over the Indian Ocean. These parameters are known to influence the climate variability over South Asia.
- Latest forecasts from many climate models indicate that La Niña conditions are likely to continue up to the end of year and the negative IOD conditions are likely to weaken by the end of year.



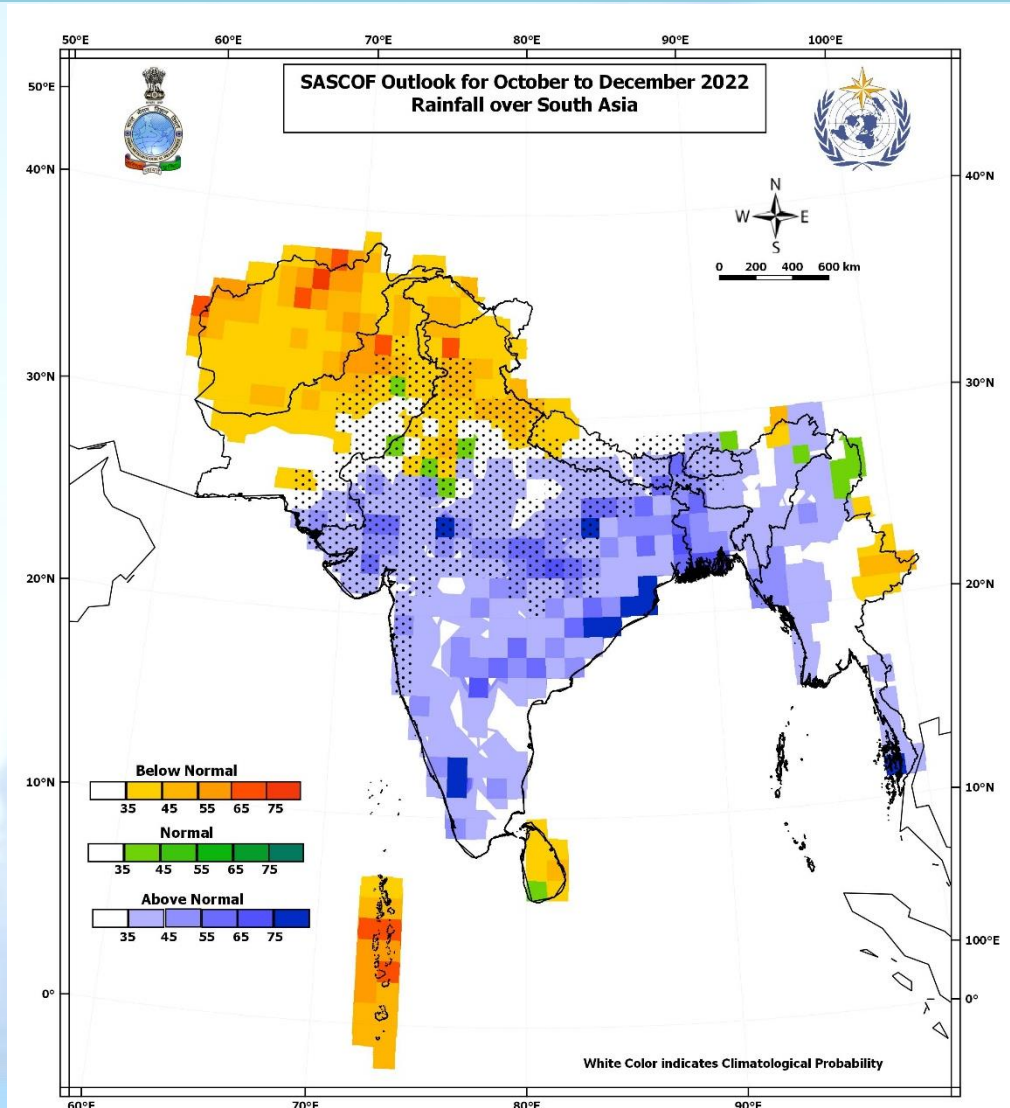
29-09-2022

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# SASCOF-23 Consensus Rainfall Outlook for 2022 OND season for South Asia



Below-normal rainfall is likely during the 2022 October – December (OND) season over the extreme southern parts of the South Asia including the islands where climatologically receive good amount of rainfall during the season. Below normal rainfall is also likely over the northwestern and northern parts of South Asia as well as extreme eastern parts of South Asia which normally receive very low rainfall during OND season. Above normal rainfall is likely over most parts of west, central and north-east regions and a few regions of southern parts of South Asia. Remaining part of the region is likely to experience normal or climatological probability for the seasonal rainfall.



29-Sep-22

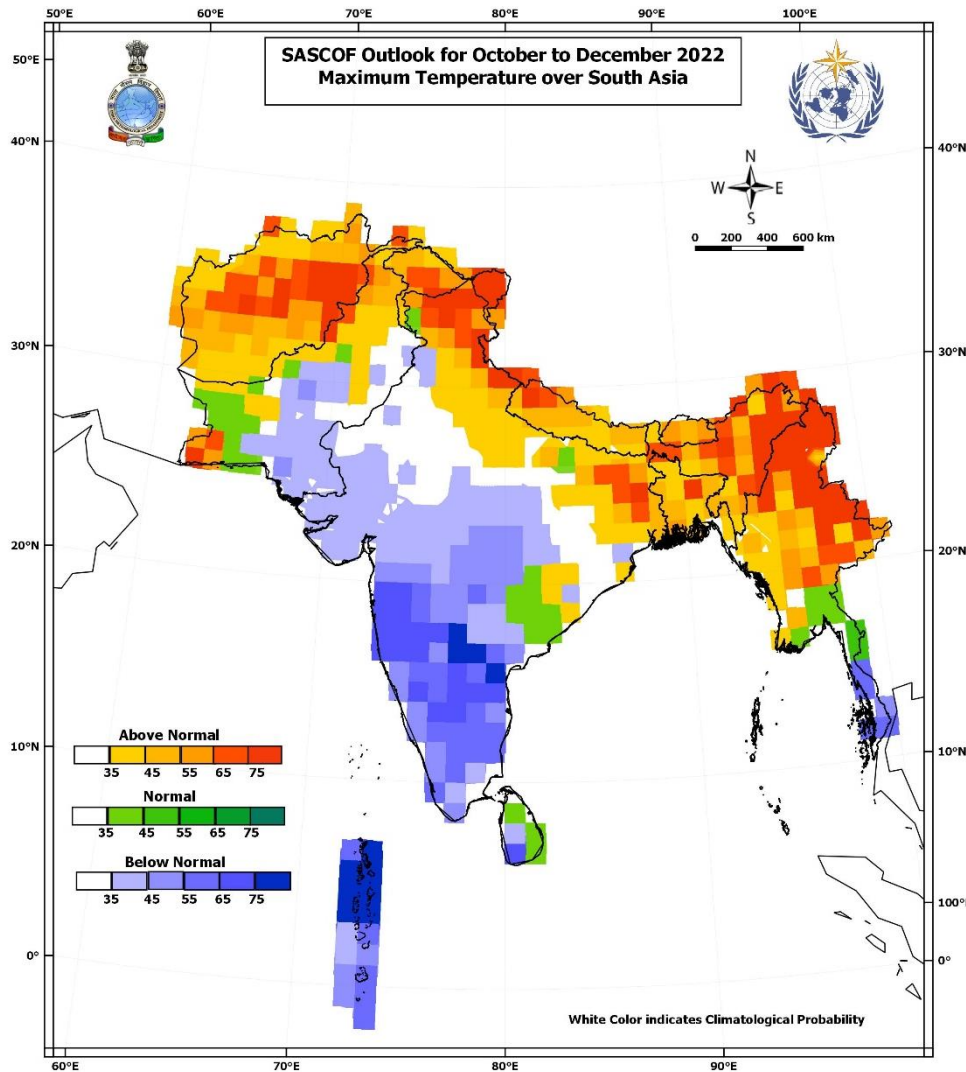
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# SASCOF-23 Consensus Temperature (Maximum) Outlook for 2022 OND season for South Asia

During the season, normal to above normal maximum temperatures are likely over northwest, north, northeast parts of South Asia including foothills of Himalaya. The maximum temperature is likely to be below normal over the west, central and southern parts of South Asia..

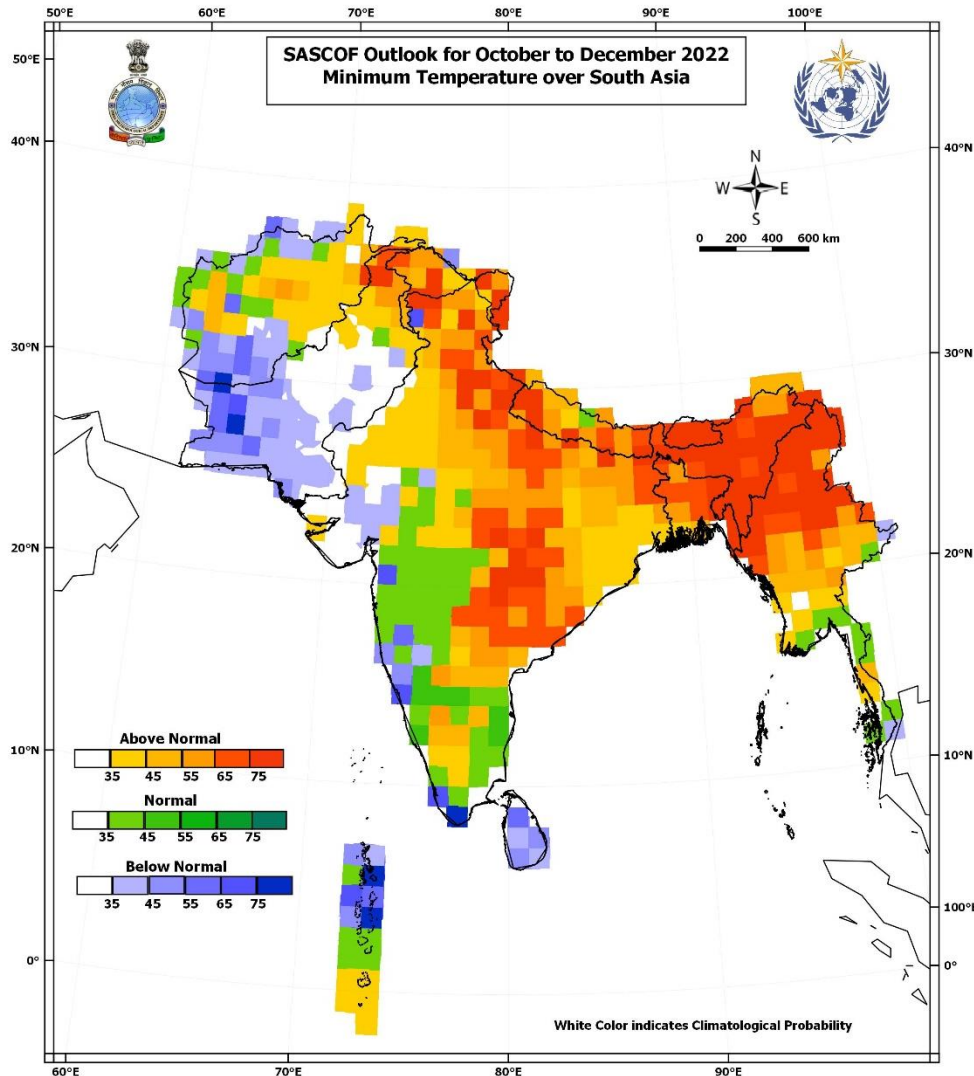


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# SASCOF-23 Consensus Temperature (Minimum) Outlook for 2022 OND season for South Asia



During the season, the minimum temperature is likely to be above normal over most part of the region except over parts of west, northwest and southern parts of South Asia.



**Thank you**

