

## Forecasters' Forum #12

Date: 05 May 2022

### Discussion Notes

<p><b>Realized Weather (28 April-05 May 2022)</b></p>	<ul style="list-style-type: none"> <li>• Two shallow WDs passed over north of Afghanistan and Pakistan, and continental dry air prevailing over the rest of the regions of Afghanistan and Pakistan.</li> <li>• Isolated and scattered rain/thundershowers observed over northern and central parts of Afghanistan and Pakistan with much of the areas experiencing dry weather conditions.</li> <li>• Heatwave conditions are observed over some regions of Afghanistan and Pakistan till 03 May 2022 with some isolated places experiencing severe heat.</li> <li>• Maximum temperatures of above 44 °C were recorded in 15 out of the 18 stations in the Sindh Province of Pakistan. The highest maximum temperature of the week was 49.5 °C recorded at Nawabsaheer/Saheed Benazirabad.</li> <li>• With recorded rainfall of -74% below normal, April 2022 was the second driest April in Pakistan since 1961.</li> <li>• With recorded maximum temperature anomaly of +4 °C, April 2022 was the hottest April in Pakistan since 1961.</li> <li>• Light to moderate rain/thundershowers observed over Nepal and Bhutan. No significant synoptic situations are observed over these regions.</li> <li>• All meteorological stations across the Bangladesh received rainfall during 02-03 May 2022 due to occurrence of squall lines. Intense thunderstorm activities were observed over most of the areas in the country.</li> <li>• Intense thunder storm activities were observed over central parts of Myanmar with Mogu station recording 4.5 inches of rainfall. Damages to houses and other structures were reported. Rest of the country experienced isolated and scattered rain/thundershowers. Considerable drop in maximum temperatures were observed across the country.</li> <li>• Thunderstorm activities were observed across the country during 30 April 2022. Heavy showers were observed over central hills and western coastal areas. 240 mm of rainfall was recorded in the western coastal areas.</li> <li>• Isolated and scattered thundershowers observed over Maldives with much of areas experiencing dry weather conditions. High wind speeds were recorded mostly in southern atolls.</li> </ul>
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<p><b>Salient synoptic features in the coming week</b></p>	<ul style="list-style-type: none"> <li>• WD expected over Afghanistan and adjoining areas of Pakistan on 08 May 2022.</li> <li>• Westerly trough prevailing over Bangladesh. Also, a strong south westerly wind from Bay of Bengal to north eastern region at lower tropospheric level exists till 08 May 2022. Later the winds are expected to change to Easterly and South-easterly due to passage of low-pressure system.</li> <li>• A feeble westerly trough seen over north Myanmar and easterly wave passing over southern region of the country.</li> <li>• North-South trough runs from peninsular India to west of Sri Lanka at lower tropospheric levels.</li> <li>• A cyclonic circulation formed over south Andaman Sea and neighborhood and extended up to mid tropospheric level. It is likely to further intensify to low pressure area by 06 May 2022.</li> </ul>	
<p><b>Rainfall outlook</b></p>	<ul style="list-style-type: none"> <li>• Isolated and scattered rain/thundershowers likely to continue mostly over northern and central parts of Afghanistan and Pakistan with dry weather conditions likely over rest of the areas.</li> <li>• Isolated and scattered rain/thundershowers likely over Bhutan and Nepal with increase in rain/thundershowers expected from 08 May 2022.</li> <li>• Isolated and scattered rain/thundershowers likely over Bangladesh with fairly widespread activities likely after 08 May 2022.</li> <li>• Isolated and scattered rain/thundershowers likely over Myanmar with widespread rain/thundershowers in some areas. Increase rain/thundershowers expected over the southern regions from 07 May 2022.</li> <li>• Isolated and scattered rain/thundershowers likely over Maldives and Sri Lanka with fairly widespread over some of areas in these countries.</li> </ul>	<p><b>Extended Range Outlook (until 18 May 2022)</b></p> <ul style="list-style-type: none"> <li>• Higher probability of rainfall (&gt;25 mm) towards the week ending of 11 May 2022 over Nepal, Bhutan, Bangladesh, Myanmar and isolated places of Sri Lanka, Maldives and Afghanistan.</li> <li>• Higher probability of rainfall (&gt;25 mm) towards the week ending of 18 May 2022 over Nepal, Bhutan, Bangladesh and Myanmar.</li> </ul>
<p><b>Temperature outlook</b></p>	<ul style="list-style-type: none"> <li>• Heatwave conditions with severe heat in few places are likely to prevail over Afghanistan and Pakistan from 08 May</li> </ul>	

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<b>Extreme weather situations</b>	<ul style="list-style-type: none"> <li>Heatwave conditions to prevail over the north western areas of the region starting from 7-8 May 2022.</li> </ul>	
<b>New products introduced</b>	<ul style="list-style-type: none"> <li>Soil moisture percentile, Std. Precipitation and Evaporation Index, Evaporation Deficit Drought Index, Vegetation Health Index etc. related to drought early warning information products from Global Forecasting Centres were discussed.</li> </ul>	