

## Forecasters' Forum #10

Date: 21 April 2022

### Discussion Notes

<p><b>Realized Weather (14-20 April 2022)</b></p>	<ul style="list-style-type: none"> <li>● Two shallow WDs passed over north of Afghanistan and Pakistan.</li> <li>● Continental dry air prevailing over the regions adjoining Afghanistan and Pakistan.</li> <li>● Isolated and scattered rain/thundershowers observed over northern areas of Afghanistan and Pakistan.</li> <li>● Heatwave conditions are observed over Afghanistan and Pakistan with few isolated places experiencing severe heat. Maximum temperature as high as 46°C were recorded in Larkana and Sibbi areas of Pakistan.</li> <li>● Light to moderate rain /thundershowers observed over Nepal and Bhutan with a fairly widespread rain/thundershower activities over few isolated places after 17 April 2022.</li> <li>● Bhutan and adjoining areas experienced above normal rainfall.</li> <li>● Windstorms damaged crops and roofs of houses in Dagana, Sarpang and Pema Gatshel districts of Bhutan.</li> <li>● Plain areas of Nepal observed above normal temperature with temperature recorded as high as 40°C.</li> <li>● Westerly trough persisting over Bangladesh with isolated rain/thundershowers activities and rest of the places mainly experiencing dry weather conditions.</li> <li>● Increases in minimum temperatures were observed across Bangladesh.</li> <li>● Feeble cyclonic circulation/trough persisting over Myanmar.</li> <li>● Isolated and scattered rain/thundershowers observed over Myanmar with fairly widespread rain/thundershower over some areas.</li> <li>● A cyclonic circulation over Lakshadweep and adjoining southeast Arabian sea extended up to mid tropospheric level.</li> <li>● A cyclonic circulation over south Tamil Nadu and adjoining areas observed.</li> <li>● Isolated and scattered rain/ thundershower over Sri Lanka with fairly widespread rain/ thundershower activities over some areas.</li> <li>● Isolated and scattered thundershowers observed over Maldives with much of areas experiencing dry weather conditions.</li> </ul>
<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 22 April and 24 April 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 is expected.</li> <li>● Persistence of a feeble trough over northern Myanmar extending to south at lower levels.</li> <li>● A cyclonic circulation/trough seen over Maldives and adjoining areas.</li> </ul>

<b>Rainfall outlook</b>	<ul style="list-style-type: none"> <li>● Isolated rain/thundershowers expected from 22 April 2022 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 widespread activities over some places during 22-25 April 2022.</li> <li>● Isolated and scattered rain/thundershowers likely over Bangladesh.</li> <li>● Isolated and scattered rain/thundershowers likely over Myanmar with widespread rain/thundershowers in some areas.</li> <li>● Scattered rain/thundershowers, at times heavy is likely over Maldives and Sri Lanka until 25 April 2022.</li> </ul>	<b>Extended Range Outlook (until 30 April 2022)</b> <ul style="list-style-type: none"> <li>● Probability of rainfall (&gt;25mm) during the week of 21-27 April 2022 likely over Bhutan, Nepal and isolated areas of northern Pakistan and Afghanistan.</li> <li>● Total accumulated rainfall of &gt;20 mm expected over most of the places across South Asia until week ending of 30 April 2022.</li> </ul>
<b>Temperature outlook</b>	<ul style="list-style-type: none"> <li>● Heatwave conditions are likely to prevail over Afghanistan and Pakistan from 25 April 2022.</li> </ul>	
<b>Extreme weather situations</b>	<ul style="list-style-type: none"> <li>● Probability of lightning flash density &gt;0.1 is likely over isolated places of Nepal and Bhutan, northern Pakistan and adjoining areas, and over much of Sri Lanka and isolated places in southern parts of India.</li> </ul>	
<b>Additional products</b>	<ul style="list-style-type: none"> <li>● Air quality monitoring products from Copernicus Atmosphere Monitoring Service were introduced.</li> </ul>	