

## Weekly SAHF Forecasters' Forum #21

Date: 07 July 2022

### Discussion Notes

<p><b>Realized Weather (01-07 July 2022)</b></p>	<ul style="list-style-type: none"> <li>• Under the influence of shallow westerly waves, the northern parts of Afghanistan and Pakistan experienced scattered to fairly widespread rain/thundershowers.</li> <li>• Under the influence of moisture incursion from the Arabian sea, moderate to strong monsoon currents prevailed over much of southern Pakistan and all of those areas received light to moderate rain/thundershowers.</li> <li>• Under the influence of south easterly wind flow and east west trough from Rajasthan to Bay of Bengal, Bhutan and Nepal received scattered to fairly widespread rain/thundershowers.</li> <li>• Due to persistence of strong south westerly wind flow from Bay of Bengal, Bangladesh experienced scattered rain/thundershowers over some areas.</li> <li>• Under the influence of moderate to strong south westerly winds over Myanmar, the country experienced scattered rain/thundershowers over most places with isolated heavy rainfalls in some places in the south and central regions.</li> <li>• Persistence of north-south trough extending from Tamil Nadu to west of Sri Lanka. Also, moderate south westerly and north westerly winds persisting over Sri Lanka and Maldives. Under these influences, isolated and scattered rain/thundershowers observed over Sri Lanka and most parts of Maldives. During the same period the countries experienced high waves of height between 3-4 metres. Sri Lanka reported death of two people caused by the high waves.</li> </ul>
<p><b>Salient synoptic features in the coming week</b></p>	<ul style="list-style-type: none"> <li>• Westerly wave activity is expected over Afghanistan during the coming week.</li> <li>• Monsoon currents approaching to north and central parts of Pakistan.</li> <li>• Moderate south westerly winds likely to occur from Bay of Bengal to north-eastern region at lower levels.</li> <li>• Persistence of strong monsoonal wind flow over Myanmar and expected to continue during the coming week.</li> <li>• Moderate to strong cross equatorial wind flow likely during the coming week.</li> <li>• Low pressure likely to form over bay and adjoining areas due to likely occurrence of strong westerly winds (low level jet) over Arabian Sea.</li> </ul>

<p><b>Rainfall outlook</b></p>	<ul style="list-style-type: none"> <li>• Isolated and scattered rain/ thundershowers likely over northern parts of Afghanistan with much of the areas likely to experience hot and dry weather.</li> <li>• With the monsoon currents becoming active, Pakistan is likely to experience scattered to widespread rain/thundershowers with heavy rainfalls over some areas.</li> <li>• Bhutan and Nepal likely to experience scattered rain/thundershowers with gradual increase in rain/thundershowers after 12 July 2022.</li> <li>• Bangladesh and Myanmar likely to experience scattered and fairly widespread rain/thundershowers over the coming week with some places expected to receive isolated heavy rainfalls.</li> <li>• Maldives and Sri Lanka expected to experience gradual increase in rain/thundershowers over the coming week.</li> </ul>	<p><b>Extended Range Outlook (until 20 July 2022)</b></p> <ul style="list-style-type: none"> <li>• Probability of rainfall (&gt;25mm) likely over Myanmar, Maldives and much of Bhutan, Nepal, Bangladesh, most parts of central India and isolated pockets of Sri Lanka towards the week ending of 13 July 2022.</li> <li>• Probability of rainfall (&gt;25mm) likely to continue over Bhutan, Bangladesh, Myanmar, Nepal Maldives and pockets of central India and Sri Lanka towards the week ending of 20 July 2022.</li> </ul>
<p><b>Temperature outlook</b></p>	<ul style="list-style-type: none"> <li>• While temperatures across much of the region likely to decrease over the next week, parts of Afghanistan, Bhutan and Nepal likely to experience increase in maximum temperatures.</li> </ul>	<p><b>Awareness on ocean forecasts and products</b></p> <ul style="list-style-type: none"> <li>• The INCOIS, India provided awareness on forecasts and products available for coastal and island countries in South Asia. Weekly forecast outlook for SAHF coastal and island countries will be provided from the next week.</li> </ul>
<p><b>Monsoon watch</b></p>	<ul style="list-style-type: none"> <li>• Currently monsoon is active and vigorous over Myanmar, and active over Bangladesh, Bhutan, Nepal and is moderate over Maldives and Sri Lanka.</li> <li>• Persistence of moderate to strong cross equatorial flow over Arabian sea and moderate over Bay of Bengal with increase of wind speed over Arabian sea and offshore trough over west coast of India. Persistence of cyclonic circulation/low pressure system over the Bay of Bengal region.</li> </ul>	