

Forecasters' Forum #09

Date: 14 April 2022

Discussion Notes

<p>Realized Weather (07-13 April 2022)</p>	<ul style="list-style-type: none"> ● Two shallow WDs passed over north of Afghanistan and Pakistan. ● Continental dry air prevailing over the regions adjoining Afghanistan and Pakistan. ● Isolated and scattered rain/thundershowers observed over northern areas of Afghanistan and Pakistan with rest of the areas mainly experiencing dry weather conditions. ● Heatwave conditions are observed over Afghanistan and Pakistan with few isolated places experiencing severe heat. ● Highest maximum temperature of 46.5°C recorded at Shaheed Benazirabad, Sibbi and Jacobabad areas in Pakistan. ● Light to moderate rain/thundershowers observed over Nepal and Bhutan with northern parts of Bhutan observing above normal rainfall. ● Westerly trough persisting over Bangladesh with isolated rain/thundershowers over some places. Rest of the country experienced mostly dry weather conditions. ● Cyclonic circulation over north Sri Lanka and adjoining areas extending up to mid tropospheric level was observed until 11 April 2022. ● Isolated and scattered rain/thundershowers observed over Myanmar and widespread in few places over north of the country with recorded rainfall of 108 mm. ● Widespread rain/thundershowers over Sri Lanka with some areas experiencing heavy rainfall. ● Isolated and scattered rain/thundershowers observed over Maldives with central and northern areas recorded heavy rainfall up to 50mm and 97 mm respectively on 13 April 2022.
<p>Salient synoptic features in the coming week</p>	<ul style="list-style-type: none"> ● WD expected over Afghanistan and adjoining areas of Pakistan during 16 April 2022. ● 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. ● Persistence of a feeble trough over northern Myanmar extending to south at lower levels. ● A cyclonic circulation over southeast Arabian sea and adjoining Lakshadweep extending up to mid tropospheric level.

Rainfall outlook	<ul style="list-style-type: none"> ● Isolated rain/thundershowers expected from 18 April 2022 mostly over northern parts of Afghanistan and Pakistan with dry weather conditions likely over rest of the areas. ● Isolated and scattered rain/thundershowers likely over Bhutan and Nepal with widespread activities over some places. ● Isolated and scattered rain/thundershowers likely over Bangladesh and Sri Lanka. ● Isolated and scattered rain/thundershowers likely over Myanmar with widespread rain/thundershowers in some areas. ● Scattered rain/thundershowers, at times heavy, likely over Maldives until 16 April 2022 and isolated and scattered rain/thundershowers thereafter. 	Extended Range Outlook (until 27 April 2022) <ul style="list-style-type: none"> ● Probability of rainfall (>25mm) during the week of 21-27 April 2022 likely over Bhutan, Nepal and isolated areas of northern Pakistan and Afghanistan.
Temperature outlook	<ul style="list-style-type: none"> ● Heatwave conditions are likely to prevail over Afghanistan and Pakistan until 18 April 2022. 	
Extreme weather situations	<ul style="list-style-type: none"> ● Heatwave conditions likely to prevail over the north western areas of the region. 	
Additional products	<ul style="list-style-type: none"> ● Seasonal rainfall forecast during May-July 2022 was discussed. Above normal rainfall is expected over much of south Asia during May to July. 	