

SAHF Forecasters' Forum #13

Date: 12 May 2022

Discussion Notes

<p>Realized Weather (06 April-12 May 2022)</p>	<ul style="list-style-type: none"> • Three WDs passed over north of Afghanistan and Pakistan, and continental dry air prevailing over the rest of the regions of Afghanistan and Pakistan. • Isolated and scattered rain/thundershowers observed over northern parts of Afghanistan and Pakistan with rest of the areas experiencing dry weather conditions. • Heatwave conditions are observed over some regions of Afghanistan and Pakistan from 07 May 2022 with some isolated places experiencing severe heat. • In Pakistan record maximum temperatures of 48 °C were observed at Jacobabad and Sibbi on 07 May and 09 May 2022. Parts of Sindh and Punjab provinces experienced heat wave conditions. • Most of parts of Afghanistan experienced normal rainfall and several thunderstorm activities during the week. Wardak and Noorshan provinces reported flashfloods and thunderstorm activities. • Light to moderate rain/thundershowers observed over Nepal and Bhutan. East west trough from Uttar Pradesh to northeastern states from 04-07 May 2022 influenced the rainfall activity. • Westerly trough and south-westerly wind flow from Bay of Bengal persisted over Bangladesh till 08 May 2022. Isolated and scattered rain/thundershowers observed till 08 May 2022 and thereafter fairly widespread with isolated heavy rainfall observed over some areas due to cyclone ASANI. • Rainfall observed across all the stations in Maldives with winds mainly from south westly to north westly. Maldives declared onset of SW Monsoon over southern Atolls on 08 May 2022. Strong winds and increasing rainfall over the southern and progression towards northern Atolls expected. • Feeble westerly trough over north Myanmar and passing of easterly wave over south observed. Fairly widespread with isolated heavy rainfall observed over some places due to cyclone ASANI. 3 to 4 inches of rain in several coastal stations are observed and the country is planning to declare the onset of monsoon in the next 2 days. • Isolated and scattered thundershowers observed over Sri Lanka with some areas experiencing fairly widespread rainfall. • A cyclonic storm ASANI has formed over southeast Bay of Bengal and adjoining areas on 07 May 2022 and intensified further to severe cyclonic storm on 08 May 2022. It has weakened to depression/WML on 12 May 2022
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	and crossed costal Andhra Pradesh, India.	
Salient synoptic features in the coming week	<ul style="list-style-type: none"> • WD expected over Afghanistan and adjoining areas of Pakistan on 14 May and 15 May 2022. • Persistence of strong south westerly winds from Bay of Bengal to north eastern regions at lower levels. • Persistence of south westerly wind flow over Myanmar with no significant synoptic situation. • Persistence of north-south trough to west of Sri Lanka at lower tropospheric levels. • Moderate to strong south westerly winds prevailing over Sri Lanka and Maldives. • South west monsoon winds (south-westerly winds) likely to advance over Arabian sea and Bay of Bengal after 14 May 2022. 	
Rainfall outlook	<ul style="list-style-type: none"> • Isolated and scattered rain/thundershowers mostly likely over northern parts of Afghanistan and Pakistan with dry weather conditions likely over rest of the areas. • Scattered and fairly widespread rain/thundershowers likely over Bhutan and Nepal. • Scattered and fairly widespread rain/thundershowers likely over Bangladesh with gradual increase in rainfall expected. • Scattered and fairly widespread rain/thundershowers likely over Myanmar with higher chances of heavy rainfall expected over isolated places. • Isolated and scattered rain/thundershowers likely over Sri Lanka with fairly widespread and isolated heavy spells expected over some areas. • Isolated and scattered rain/thundershowers expected over Maldives with likely increase in rainfall activity. 	<p>Extended Range Outlook (until 25 May 2022)</p> <ul style="list-style-type: none"> • Higher probability of rainfall (>25 mm) towards the week ending of 18 May 2022 over Nepal, Bhutan, Bangladesh, Myanmar, Maldives and isolated places of Sri Lanka. • Higher probability of rainfall (>25 mm) towards the week ending of 25 May 2022 over Nepal, Bhutan, Bangladesh, Myanmar and isolated places over Maldives and Sri Lanka.
Temperature outlook	<ul style="list-style-type: none"> • Heatwave conditions with severe heat in few places are likely to prevail over Afghanistan and Pakistan till 16 May 	

	2022. Temperatures likely to decrease thereafter.	
Extreme weather situations	<ul style="list-style-type: none"> • Heatwave conditions to prevail over the north western areas of the region until 16 May 2022 	
New products introduced	<ul style="list-style-type: none"> • Snow water equivalent anomaly and calculated soil moisture anomaly were discussed. While snow water equivalent in the Hindukush Himalayan region is unevenly distributed, the soil moisture outlook across much of South Asia is positive. • The Global Tropics Hazards and Benefits Outlook was discussed. The product provides information about the likely occurrence of hazards based on confidence level. 	