

### Probabilistic Rainfall Forecast for April 2017

The probabilistic rainfall forecast for April 2017 for Sri Lanka as given below.

The district wise average rainfall is given in the column 2 of the table 1. Chance (probability) of receiving below/about/above average is given in the columns 3, 4, and 5 respectively in the table 1.

There is a higher chance of receiving near average rainfall in for all districts for the month of April 2017.

Figure 2 represents the weekly rainfall anomaly forecast for April 2017 from Japanese Meteorological Administration (JMA) model. Below normal rainfall anomaly can be expected for all four weeks starting from 01 April to 28 April. According to the monthly rainfall anomaly forecast for April 2017 from Japanese Meteorological Administration (JMA) model (Fig 3), below normal rainfall anomaly can be expected for April 2017.

Figure 4 represents the multi-model ensemble probabilistic rainfall forecast for April 2017 from Forecast Customization System (FOCUS) for Sri Lanka developed by Regional Integrated Multi-Hazard Early Warning System RIMES. According to the FOCUS, there is no clear signal for wet zone, dry zone and intermediate zone for April 2017.

The probabilistic rainfall forecast for April 2017 for Sri Lanka as given below.

<b>District</b>	<b>Average rainfall (mm) –(April)</b>		<b>Probability %</b>	
		Below	Normal	Above
Colombo	281.6	30	40	30
Kalutara	356.2	25	50	25
Galle	305.6	30	40	30
Matara	221.5	30	40	30
Hambantota	105.6	30	40	30
Ampara	83.8	30	40	30
Batticaloa	61.2	30	40	30
Trincomalee	62.0	30	40	30
Mullaithivu	78.5	25	50	25
Jaffna	38.5	25	50	25
Killinochchi	61.4	25	50	25
Mannar	100.8	25	50	25
Puttalam	155.0	25	50	25
Gampaha	249.7	30	40	30
Kegalle	350.9	25	50	25
Ratnapura	307.1	30	40	30
Monaragala	163.4	30	40	30
Badulla	211.4	25	50	25
Pollonnaruwa	109.0	30	40	30
Vavuniya	110.2	30	40	30
Anuradapura	127.6	25	50	25
Kurunegala	204.4	30	40	30
Matale	168.8	30	40	30
Kandy	211.3	25	50	25
Nuwaraeliya	238.7	30	40	30

Table 1

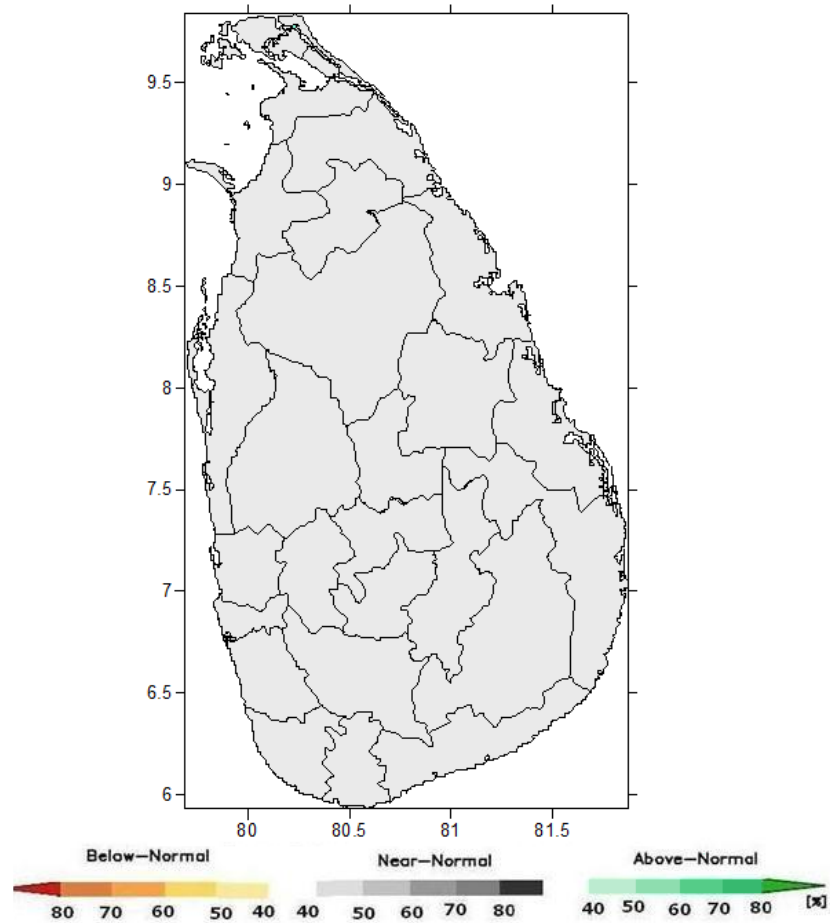


Fig 1. Probabilistic rainfall forecast for April 2017

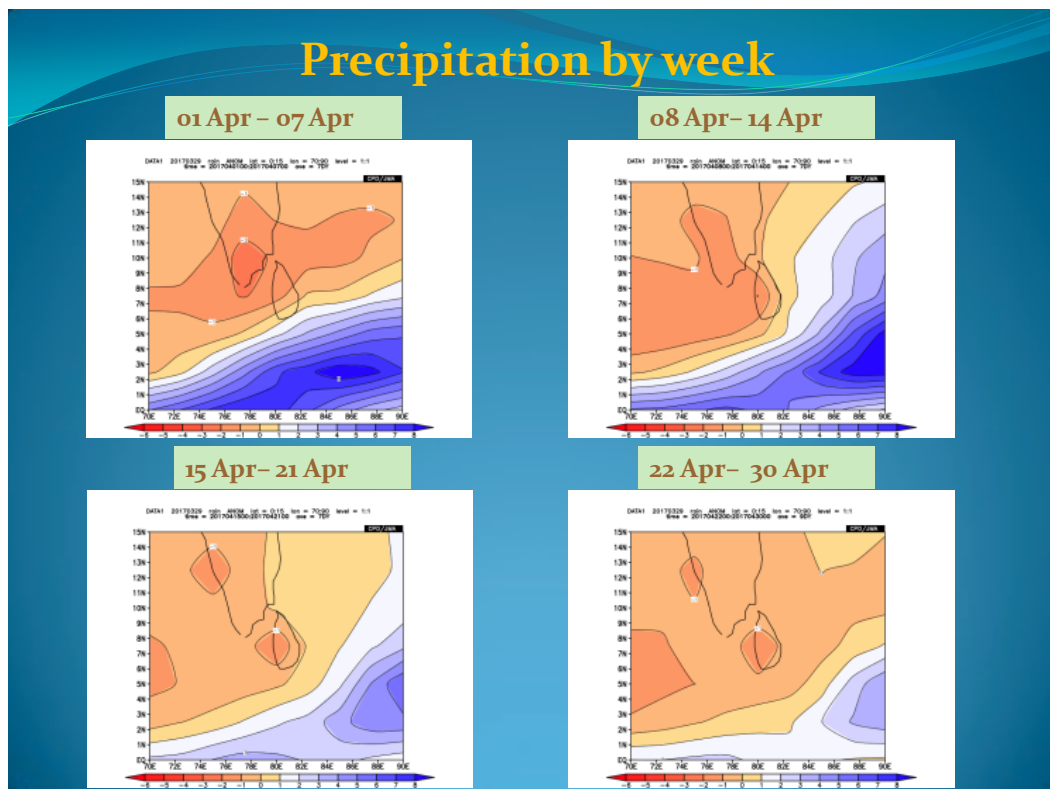


Fig 2. Weekly Rainfall anomaly forecast for April 2017 (01 April- 07 April, Upper left), (08 April- 14 April, Upper right), (15 April- 21 April, Lower left), and (22 April - 26 April, Lower right) from JMA model

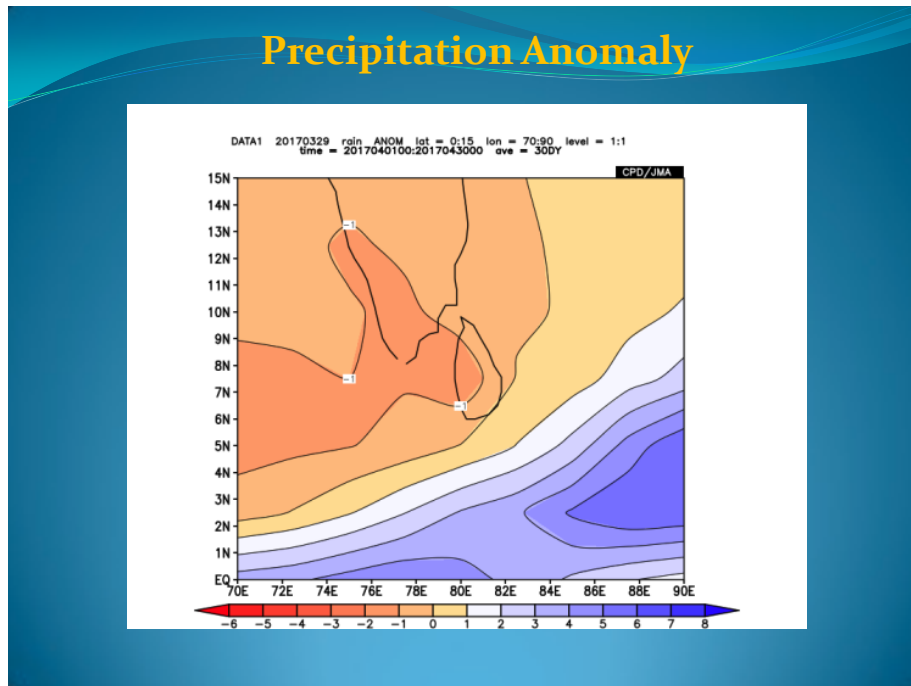


Fig 3. Rainfall anomaly forecast for April 2017 (mm/day) from JMA model

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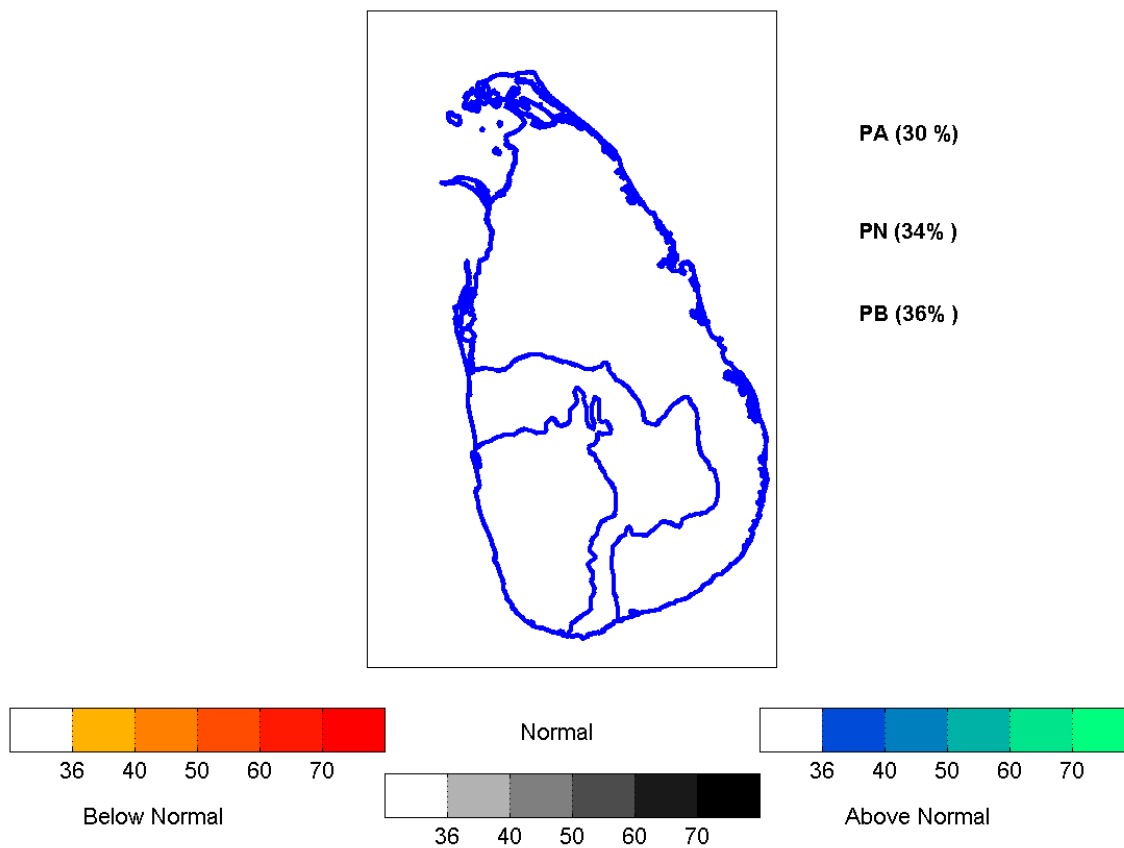


Fig 4. Multi-model ensemble probabilistic forecast for April 2017 from RIMES Forecast Customization System (FOCUS).