



Weather Impact

WAGENINGEN
UNIVERSITY & RESEARCH



Issue Date: 19 December 2023

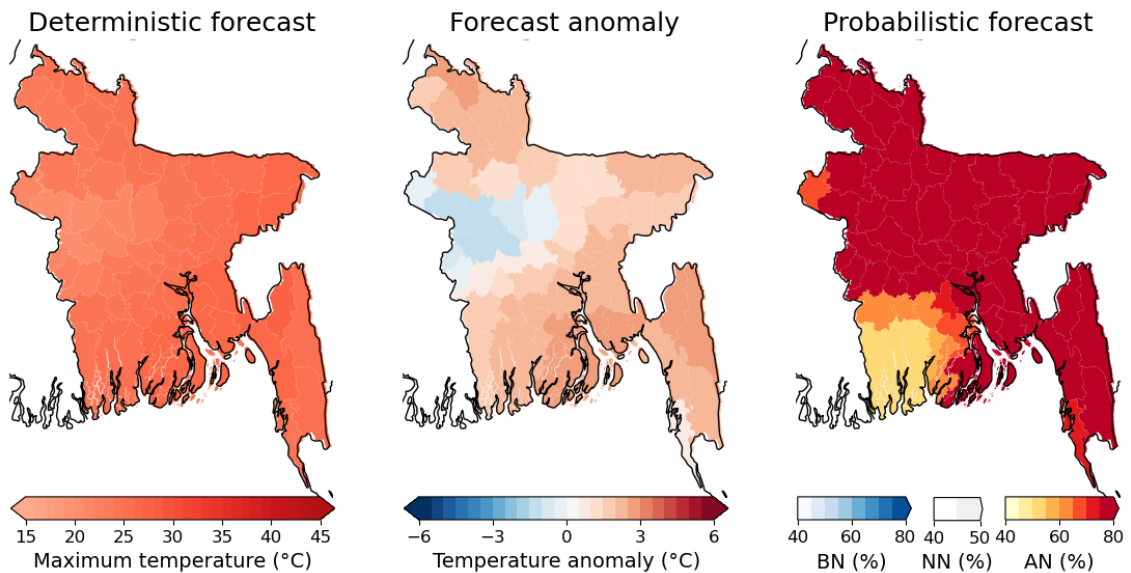
Subject: Experimental Sub-seasonal forecast for Bangladesh during 19.12.2023 to 15.01.2024

1. Weather Forecast for week 1 (Period: 19.12.2023 to 25.12.2023)

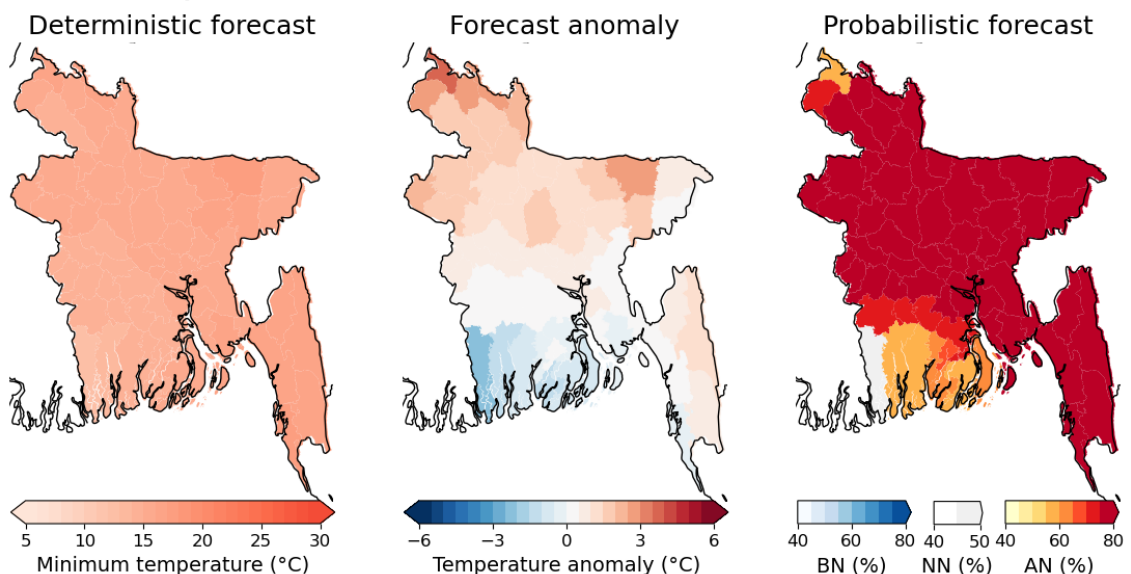
1.1 Significant Information

- Add here the text for significant information.

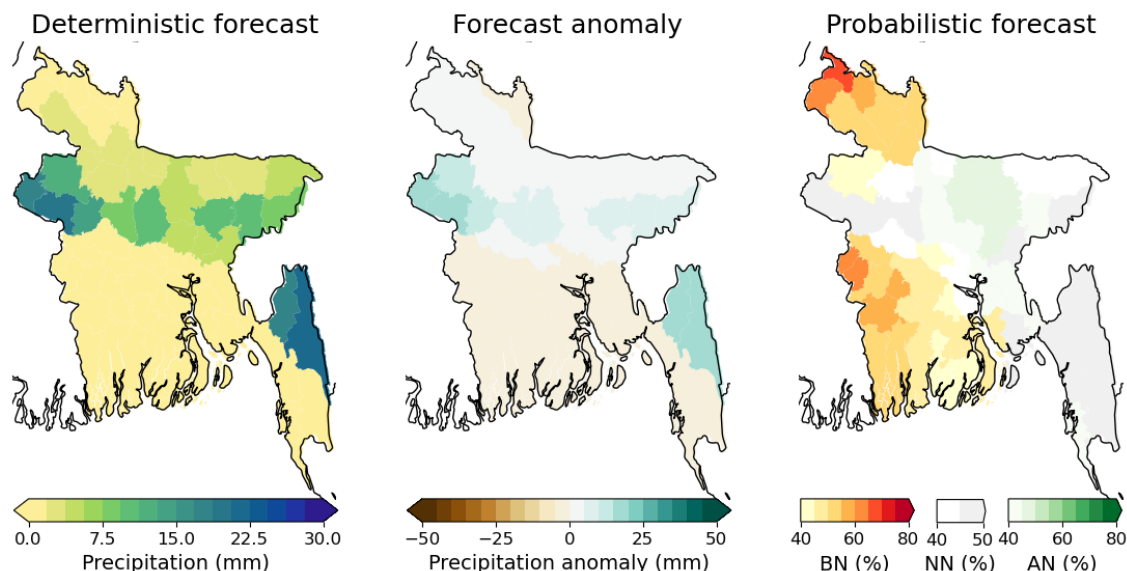
1.2 Maximum Temperature



1.3 Minimum Temperature



1.4 Rainfall



1.5 Forecast information at District level

Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Deter- ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter- ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter- ministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	25	2	0/9/91	16	1	0/8/92	0	-1	26/36/38
	Faridpur	25	2	0/19/81	15	0	0/24/76	0	-1	46/27/27
	Gazipur	24	1	0/4/96	16	1	0/1/99	4	3	22/33/44
	Gopalganj	25	2	0/38/62	14	0	0/26/74	0	-1	46/26/28
	Kishoreganj	26	2	0/1/99	16	1	0/0/100	10	9	10/43/47
	Madaripur	25	2	0/26/74	15	0	0/21/79	0	-1	44/23/34
	Manikganj	24	1	0/12/88	15	1	0/13/87	0	0	44/25/31
	Munshiganj	25	2	0/12/88	16	1	0/11/89	0	-2	25/38/37
	Narayanganj	25	2	0/13/87	16	1	0/7/93	0	-1	25/30/45
	Narsingdi	25	2	0/8/92	16	1	0/1/99	4	3	27/28/45
	Rajbari	23	1	0/13/87	15	1	0/18/82	0	0	49/30/21
Shariatpur	26	2	0/23/77	15	0	0/17/83	0	-1	25/37/38	
Rajshahi	Bogra	23	1	0/5/95	15	1	0/10/90	3	2	35/30/35
	Joypurhat	24	2	0/1/99	15	2	0/7/93	3	2	43/22/35
	Naogaon	23	2	0/6/94	15	2	0/6/94	13	12	43/31/26
	Natore	21	-1	0/12/88	15	1	0/13/87	14	13	2/74/24
	Nawabganj	21	0	0/30/70	15	2	0/7/93	17	16	3/75/22
	Pabna	21	-1	0/9/91	15	1	0/15/85	0	0	38/38/24
	Rajshahi	20	-1	0/18/82	15	2	0/10/90	19	18	3/76/20
	Sirajganj	21	-1	0/5/95	15	1	0/6/94	8	7	1/68/31
Rangpur	Dinajpur	24	2	0/0/100	15	2	0/14/86	2	1	53/14/33
	Gaibandha	24	2	0/0/100	15	2	0/8/92	2	1	53/4/43
	Kurigram	25	2	0/0/100	16	2	0/8/92	0	0	54/9/37
	Lalmonirhat	25	2	0/0/100	16	3	0/18/82	0	0	54/22/24
	Nilphamari	25	3	0/0/100	16	3	0/22/78	0	0	56/19/25
	Panchagarh	25	3	0/0/100	17	4	0/41/59	0	1	65/22/12
	Rangpur	24	2	0/0/100	15	2	0/7/93	0	0	53/12/35
	Thakurgaon	23	2	0/1/99	15	3	0/29/71	2	1	61/15/24
Mymen- singh	Jamalpur	24	2	0/1/99	15	1	0/6/94	2	2	35/24/41
	Mymen- singh	24	1	0/1/99	16	1	0/2/98	5	4	27/26/46
	Netrakona	25	1	0/1/99	17	2	0/1/99	3	2	29/22/49
	Sherpur	25	2	0/0/100	15	1	0/3/97	2	2	36/28/37
Chitta- gong	Bandarban	25	2	0/3/97	16	1	0/0/100	2	-2	0/61/39
	Brahamanba ria	26	2	0/8/92	15	0	0/1/99	5	5	10/51/39
	Chandpur	26	2	0/13/87	16	1	0/7/93	0	-2	25/34/41
	Chittagong	26	2	0/4/96	17	0	0/0/100	0	-3	0/62/38
	Comilla	26	2	0/13/87	15	0	0/3/97	0	-3	8/50/42
	Cox's Bazar	25	1	0/28/72	17	0	0/1/99	0	-1	0/56/43

	Feni	27	3	0/4/96	15	0	0/2/98	0	-3	13/47/40
	Khagrachhari	27	3	0/1/99	16	1	0/0/100	17	15	1/65/33
	Lakshmipur	27	3	0/12/88	16	0	0/7/93	0	-2	46/11/43
	Noakhali	27	3	0/8/92	16	0	0/2/98	0	-2	9/52/39
	Rangamati	26	3	0/0/100	16	1	0/0/100	22	20	1/66/32
Khulna	Bagerhat	26	2	1/44/55	14	-1	0/42/58	0	-2	46/33/21
	Chuadanga	22	0	0/22/78	14	1	0/16/84	0	-1	63/24/13
	Jessore	24	2	0/39/61	14	0	0/28/72	0	-1	60/22/18
	Jhenaidah	23	1	0/24/76	14	0	0/18/82	0	-1	54/31/15
	Khulna	25	2	1/46/52	14	-1	0/45/55	0	-2	50/32/17
	Kushtia	21	-1	0/11/89	14	1	0/19/81	0	-1	52/30/18
	Magura	24	1	0/24/76	14	0	0/25/75	0	-1	56/26/18
	Meherpur	21	-1	0/19/81	14	1	0/17/83	0	-1	62/26/12
	Narail	25	2	0/37/63	14	0	0/29/71	0	-1	49/32/19
	Satkhira	25	2	3/47/50	13	-2	0/92/8	0	-2	52/32/16
	Barisal	Barguna	26	3	0/37/63	14	-1	0/38/62	0	-3
Barisal		26	3	0/31/69	14	0	0/26/74	0	-2	47/19/35
Bhola		26	3	0/13/87	15	-1	0/36/64	0	-3	47/19/34
Jhalokati		26	3	0/37/63	15	0	0/34/66	0	-2	46/23/31
Patuakhali		26	3	0/18/82	15	-1	0/44/56	0	-3	42/21/36
Pirojpur		26	2	1/41/58	15	0	0/35/65	0	-2	42/32/26
Sylhet	Habiganj	26	2	0/1/99	17	2	0/0/100	9	7	20/38/42
	Maulvibazar	27	2	0/0/100	15	0	0/0/100	8	6	12/49/40
	Sunamganj	26	2	0/0/100	17	3	0/0/100	4	3	31/31/38
	Sylhet	26	2	0/0/100	15	1	0/2/98	5	5	22/45/33

1.6 Guidance

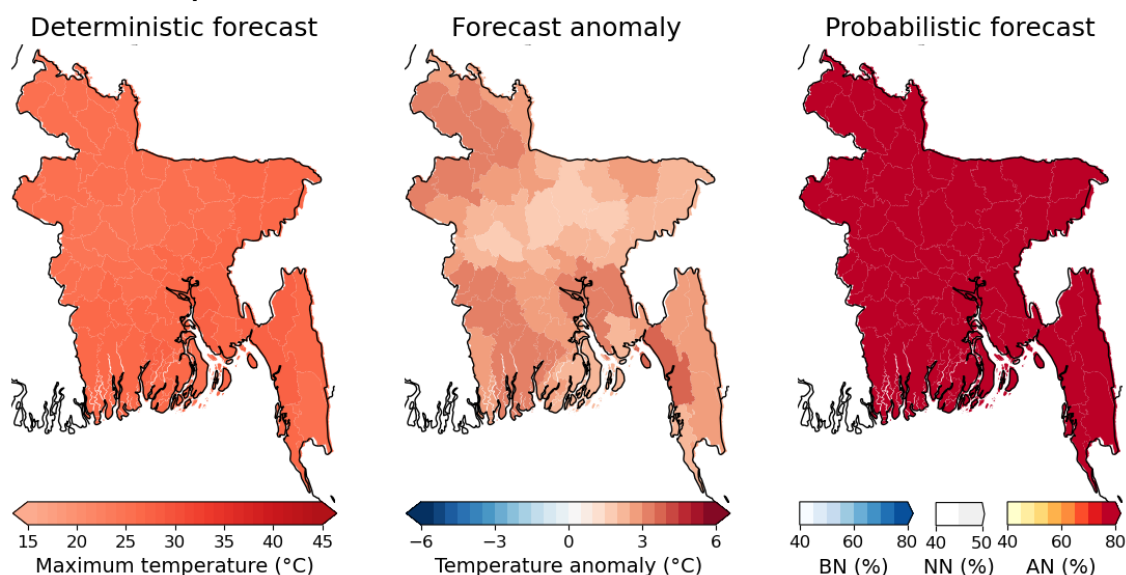
- Add here the text for guidance.

2. Weather Forecast for week 2 (Period: 26.12.2023 to 01.01.2024)

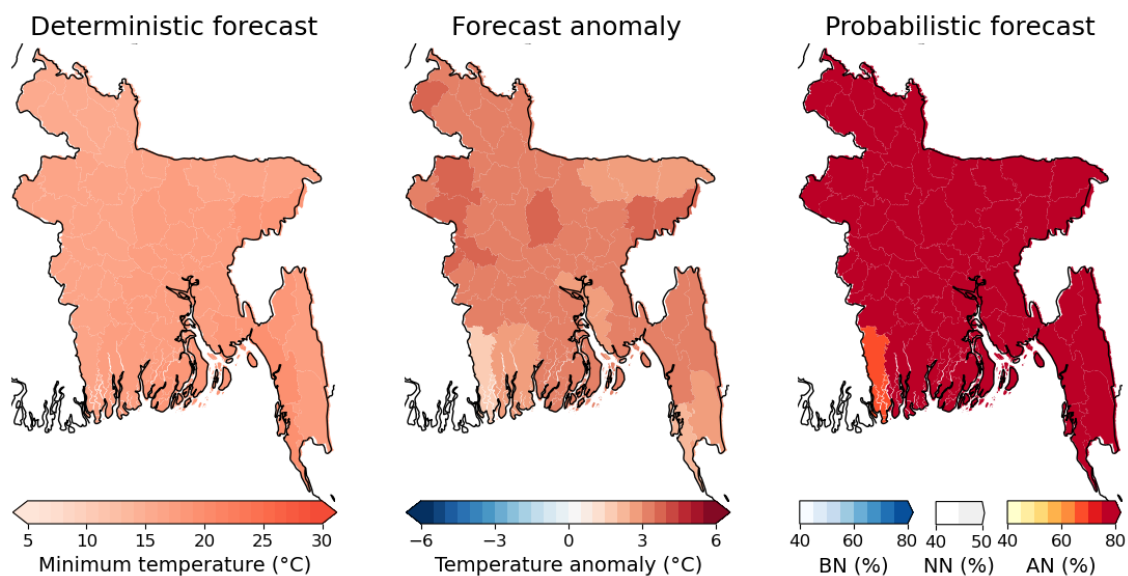
2.1 Significant Information

- Add here the text for significant information.

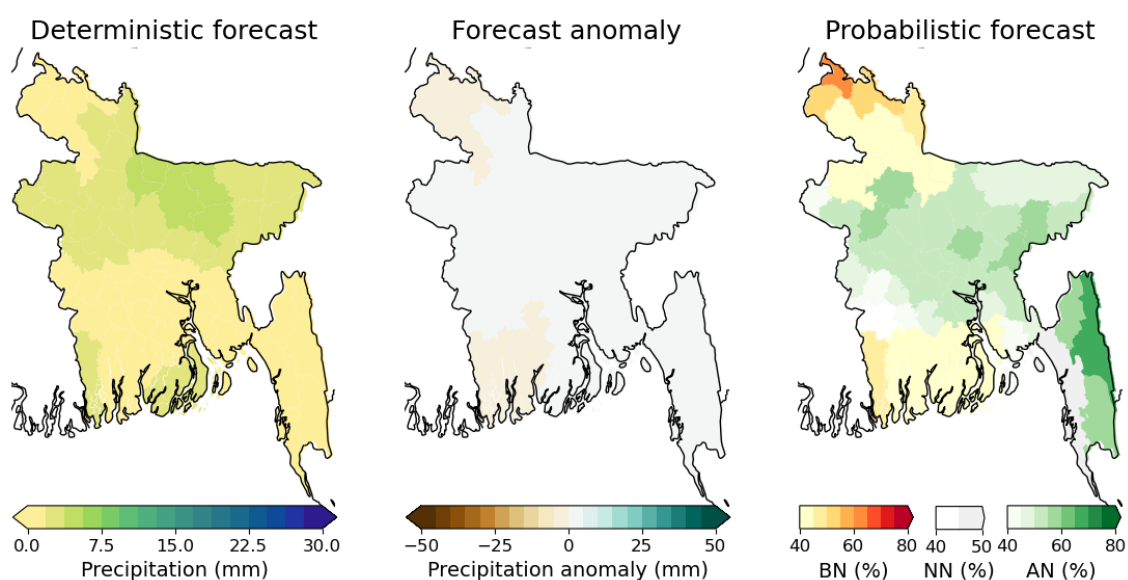
2.2 Maximum Temperature



2.3 Minimum Temperature



2.4 Rainfall



2.5 Forecast information at District level

Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	26	3	0/7/93	17	3	0/0/100	0	1	25/24/51
	Faridpur	26	3	0/6/94	17	3	0/4/96	0	0	29/18/53
	Gazipur	26	2	0/11/89	17	3	0/4/96	2	1	25/19/56
	Gopalganj	26	3	0/12/88	17	3	0/0/100	0	0	38/15/47
	Kishoreganj	26	2	0/11/89	18	3	0/0/100	5	3	26/20/54
	Madaripur	26	3	0/9/91	17	3	0/0/100	0	0	25/25/50
	Manikganj	26	2	0/6/94	17	3	0/4/96	0	0	25/22/53
	Munshiganj	27	3	0/4/96	17	3	0/0/100	0	0	25/23/52
	Narayanganj	27	3	0/4/95	17	3	0/0/100	0	1	25/24/51
	Narsingdi	26	2	1/8/91	17	3	0/0/100	3	2	25/24/51
	Rajbari	26	3	0/6/94	17	3	0/8/92	0	0	0/49/51
Shariatpur	27	3	0/6/94	17	3	0/0/100	0	0	25/24/51	
Rajshahi	Bogra	26	3	0/7/93	16	3	0/8/92	3	1	38/7/56
	Joypurhat	26	3	0/2/98	16	3	0/0/100	2	0	42/5/53
	Naogaon	25	3	0/1/99	16	4	0/8/92	2	0	42/7/51
	Natore	25	2	0/10/90	16	3	0/8/92	3	1	33/11/55
	Nawabganj	25	3	0/0/100	16	3	0/8/92	2	0	0/57/43

Rangpur	Pabna	25	2	0/14/86	17	3	0/8/92	2	1	38/10/52
	Rajshahi	25	3	0/5/95	16	4	0/8/92	3	0	0/49/51
	Sirajganj	25	2	0/10/90	17	3	0/8/92	3	1	0/45/55
	Dinajpur	25	3	0/0/100	16	3	0/0/100	0	-1	43/22/34
	Gaibandha	26	3	0/2/98	16	3	0/0/100	2	1	42/9/49
	Kurigram	25	3	0/1/99	16	3	0/0/100	2	1	47/12/41
	Lalmonirhat	26	3	0/1/99	16	3	0/0/100	2	-1	51/30/19
	Nilphamari	26	3	0/0/100	16	3	0/0/100	0	-1	52/31/16
	Panchagarh	25	3	0/1/99	16	3	0/0/100	0	0	64/24/12
Rangpur	26	3	0/1/99	16	3	0/0/100	2	0	44/24/32	
Thakurgaon	25	3	0/0/100	16	4	0/0/100	0	0	53/32/15	
Mymen-singh	Jamalpur	26	3	0/2/98	16	3	0/8/92	4	2	42/3/55
	Mymen-singh	26	2	0/9/91	17	3	0/8/92	4	2	30/19/51
	Netrakona	26	2	0/1/99	17	3	0/4/96	4	2	34/18/47
	Sherpur	25	2	0/1/98	16	3	0/8/92	4	2	42/9/50
Chittagong	Bandarban	26	3	4/12/84	18	3	0/1/99	2	0	4/39/57
	Brahamanbaria	26	2	1/10/89	18	3	0/0/100	2	1	21/20/59
	Chandpur	27	3	0/6/93	17	3	0/0/100	0	0	25/26/49
	Chittagong	28	4	0/11/89	19	3	0/0/100	0	0	9/54/37
	Comilla	27	3	0/5/95	18	3	0/0/100	0	0	21/24/55
	Cox's Bazar	26	2	0/13/87	20	2	0/2/98	2	0	8/55/37
	Feni	27	3	0/3/97	18	3	0/0/100	0	0	22/33/45
	Khagrachhari	28	3	0/10/90	18	3	0/0/100	2	1	6/37/57
	Lakshimpur	27	3	0/9/91	18	3	0/0/100	2	1	43/11/46
	Noakhali	26	2	0/3/97	19	3	0/0/100	0	0	30/27/43
Rangamati	26	3	0/13/87	17	3	0/0/100	0	0	5/26/69	
Khulna	Bagerhat	27	3	0/2/98	18	3	0/8/92	2	0	43/22/35
	Chuadanga	26	3	0/4/96	17	3	0/8/92	0	0	0/54/46
	Jessore	27	3	0/6/94	17	3	0/8/92	0	0	38/25/37
	Jhenaidah	26	3	0/0/100	17	3	0/8/92	0	0	0/57/43
	Khulna	26	3	0/2/98	17	3	0/17/83	2	0	44/25/31
	Kushtia	25	2	0/9/91	17	4	0/8/92	2	0	33/15/52
	Magura	26	3	0/1/99	17	3	0/4/96	0	0	0/52/48
	Meherpur	25	3	0/4/96	17	4	0/8/92	0	0	0/51/49
	Narail	26	3	0/2/98	17	3	0/4/96	0	0	34/24/42
	Satkhira	26	3	0/2/98	17	2	0/33/67	2	0	46/27/27
Barisal	Barguna	26	3	0/2/98	18	3	0/8/92	2	0	42/22/36
	Barisal	27	3	0/7/93	17	3	0/0/100	0	0	42/10/48
	Bhola	26	2	0/2/98	19	3	0/0/100	2	0	44/17/39
	Jhalokati	27	3	0/5/95	18	3	0/4/96	0	0	42/11/47
	Patuakhali	26	2	0/2/98	19	3	0/0/100	2	0	42/24/34
Pirojpur	27	3	0/7/93	17	3	0/8/92	0	0	42/13/44	
Sylhet	Habiganj	27	2	0/6/94	18	4	0/0/100	3	2	31/13/57
	Maulvibazar	27	2	0/6/94	18	4	0/0/100	3	2	26/19/55
	Sunamganj	26	3	0/1/99	16	3	0/0/100	3	1	39/14/47
	Sylhet	26	2	0/4/95	16	3	0/0/100	2	1	30/20/49

2.6 Guidance

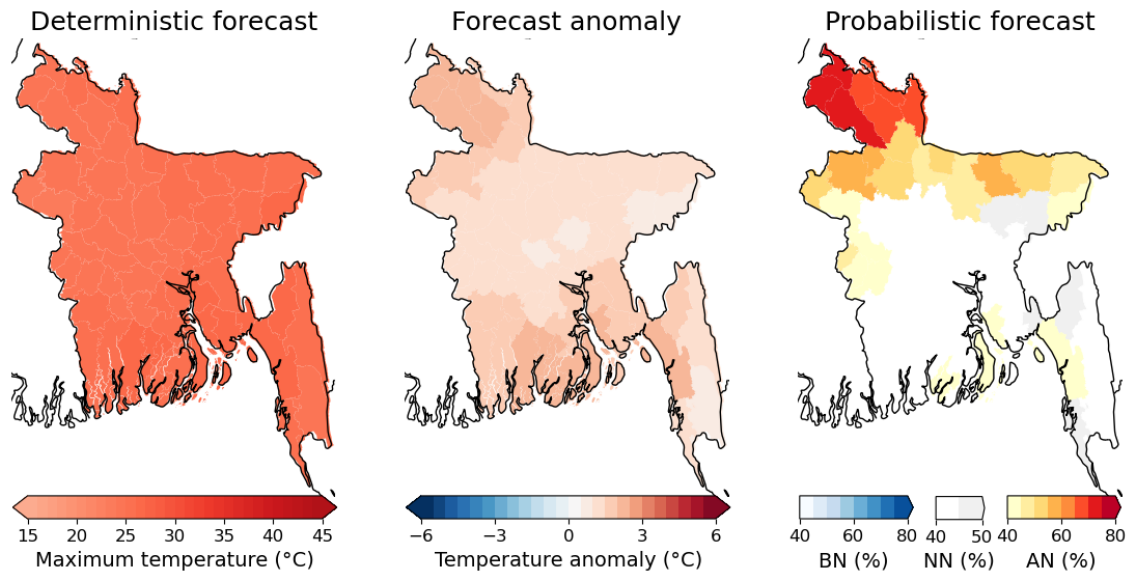
- Add here the text for guidance.

3. Weather Outlook for week 3+4 (Period: 02.01.2024 to 15.01.2024)

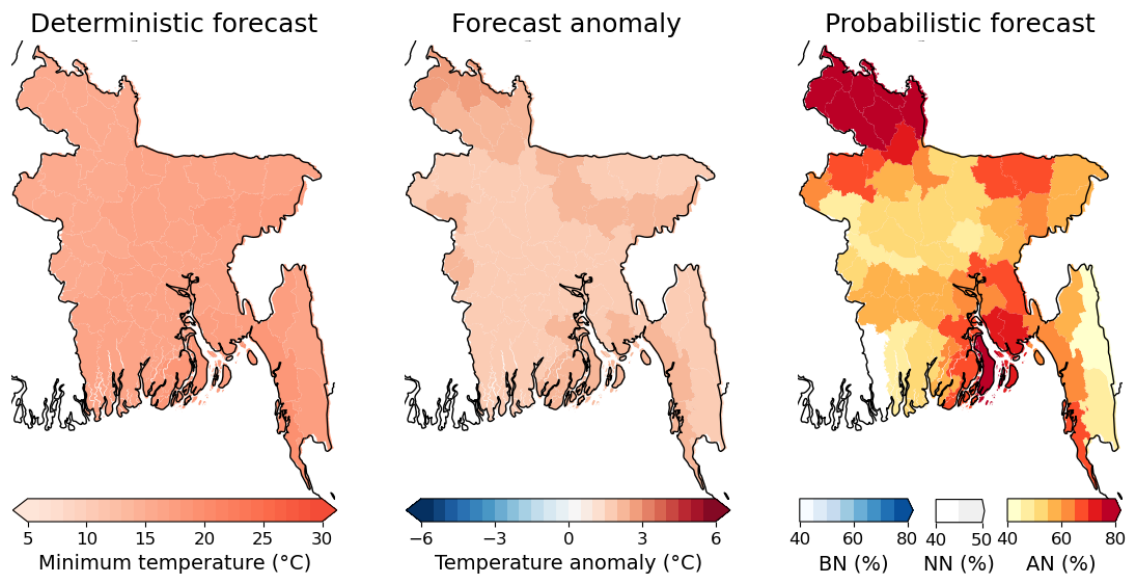
3.2 Significant Information

- Add here the text for significant information.

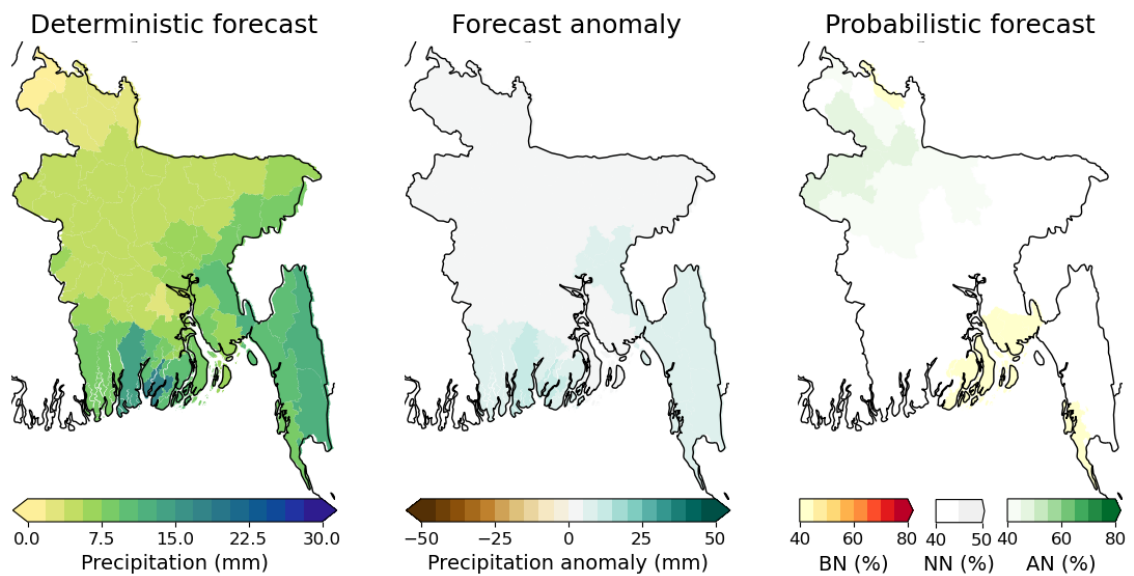
3.2 Maximum Temperature



3.3 Minimum Temperature



3.4 Rainfall



3.5 Forecast information at District level

Jointly prepared by BMD, DAE, Weather Impact-Netherlands, Wageningen Environmental Research and Digital Innovation for Impact (Dii-Dhaka) under BWCSR (Component-C), supported by World Bank

Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Deterministic	Anomaly	Probabilistic (BN/NN/AN)	Deterministic	Anomaly	Probabilistic (BN/NN/AN)	Deterministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	25	1	28/43/29	16	2	20/26/54	6	5	33/31/36
	Faridpur	24	1	30/40/30	16	2	21/22/57	4	3	35/32/33
	Gazipur	25	1	26/43/31	17	2	20/31/49	6	5	33/29/38
	Gopalganj	25	1	33/41/26	16	2	17/24/59	4	2	38/30/33
	Kishoreganj	26	1	23/46/31	17	2	14/28/58	5	2	36/26/38
	Madaripur	25	1	35/41/24	16	2	18/22/60	3	1	36/31/34
	Manikganj	24	1	31/37/33	16	2	19/29/52	5	3	26/37/36
	Munshiganj	25	1	33/43/24	17	2	12/26/61	6	4	37/29/34
	Narayanganj	25	1	31/43/26	17	2	8/26/66	7	5	31/29/40
	Narsingdi	25	1	29/44/27	17	2	8/38/54	7	5	38/25/37
	Rajbari	24	1	30/34/36	16	2	19/32/49	5	3	38/30/32
Shariatpur	25	2	35/38/27	17	2	10/27/64	4	2	38/29/33	
Rajshahi	Bogra	24	1	17/32/51	16	2	14/28/58	6	4	33/24/42
	Joypurhat	24	2	12/31/57	16	2	6/28/66	5	4	35/17/48
	Naogaon	24	2	16/26/58	15	2	6/27/67	5	3	32/19/49
	Natore	24	1	20/41/38	16	2	19/30/51	5	3	35/22/43
	Nawabganj	24	2	16/32/52	15	2	14/25/60	4	3	32/19/50
	Pabna	24	1	38/23/39	16	2	19/29/52	4	2	36/23/41
	Rajshahi	24	1	21/38/41	16	2	14/36/49	5	3	32/25/44
	Sirajganj	24	1	20/40/39	16	2	19/28/53	5	3	27/31/42
Rangpur	Dinajpur	25	2	6/19/75	16	2	1/19/80	2	1	32/22/46
	Gaibandha	25	2	8/38/54	16	2	2/25/73	5	4	36/17/47
	Kurigram	25	2	7/26/67	16	2	2/17/81	2	1	36/26/38
	Lalmonirhat	25	2	7/28/65	16	3	2/20/77	2	1	40/25/35
	Nilphamari	25	2	7/23/70	16	3	2/20/78	2	1	34/29/37
	Panchagarh	25	2	6/23/71	16	3	1/20/79	0	1	35/22/43
	Rangpur	25	2	6/24/70	16	2	2/15/83	3	2	35/22/43
	Thakurgaon	25	2	5/21/74	15	3	1/18/81	2	1	34/30/36
Mymensingh	Jamalpur	25	1	16/34/50	16	2	6/33/61	4	2	34/24/41
	Mymensingh	25	1	18/33/48	17	2	14/32/54	5	4	32/27/40
	Netrakona	25	1	18/25/57	17	2	13/21/66	4	3	37/24/38
	Sherpur	25	1	11/37/52	16	2	12/33/55	4	2	33/25/41
Chittagong	Bandarban	24	1	30/38/32	17	2	20/35/46	12	8	36/29/35
	Brahamanbaria	25	1	31/43/26	17	2	7/37/56	8	5	36/26/38
	Chandpur	26	2	30/35/35	17	2	9/27/64	6	4	38/29/33
	Chittagong	27	2	17/43/41	19	2	6/33/61	10	6	40/35/25
	Comilla	26	2	28/39/33	17	2	9/26/65	10	7	36/31/33
	Cox's Bazar	26	1	30/45/25	20	2	3/32/65	9	6	41/25/33
	Feni	27	2	20/48/32	17	2	3/33/65	12	8	41/33/27
	Khagrachhari	27	2	22/49/29	17	2	7/36/58	10	7	36/29/35
	Lakshmipur	27	2	24/35/41	17	2	4/25/70	8	4	41/31/29
	Noakhali	26	2	17/43/39	18	2	3/23/74	7	4	42/30/28
Rangamati	25	1	23/40/37	17	2	22/34/43	13	8	34/29/37	
Khulna	Bagerhat	26	2	27/40/32	17	2	25/24/51	14	10	39/31/31
	Chuadanga	24	1	22/34/44	16	2	14/32/54	6	3	31/31/38
	Jessore	25	2	26/37/37	16	2	15/29/56	6	4	33/32/35
	Jhenaidah	24	1	23/35/42	16	2	19/24/58	5	3	33/32/34
	Khulna	25	2	28/40/31	17	2	25/29/47	9	6	38/30/32
	Kushtia	24	1	33/25/42	16	2	19/32/49	5	3	36/25/38
	Magura	24	1	26/37/37	16	2	16/26/58	5	4	39/28/33
	Meherpur	24	1	25/29/46	16	2	19/28/54	6	3	35/27/38
	Narail	25	2	31/40/29	16	2	17/27/56	6	4	37/29/34
	Satkhira	25	2	29/35/36	17	2	33/28/39	9	5	38/29/33
Barisal	Barguna	26	2	19/40/41	17	2	20/24/55	17	14	40/29/32
	Barisal	26	2	33/39/28	17	2	9/25/67	6	3	39/30/32
	Bhola	26	2	18/42/41	18	2	2/18/80	8	5	41/28/32
	Jhalokati	26	2	29/39/32	17	2	15/21/63	9	6	40/30/30
	Patuakhali	26	2	19/42/39	18	2	7/24/68	11	8	42/31/28
	Pirojpur	26	2	29/37/34	16	2	24/21/54	10	8	38/32/30
Sylhet	Habiganj	26	1	25/45/30	17	2	7/32/61	8	5	37/25/38
	Maulvibazar	26	1	24/34/41	18	2	8/34/58	8	5	38/25/37

	Sunamganj	26	1	11/38/51	17	2	5/26/69	5	3	34/27/39
	Sylhet	26	1	13/41/46	16	2	7/36/57	6	3	34/26/39

3.6 Guidance

- Add here the text for guidance.

Forecast legend

Rainfall category	Amounts of rainfall
<ul style="list-style-type: none"> • Light rain • Moderate rain • Moderately Heavy • Heavy rain • Very heavy rain 	2-20 mm/day 22-22 mm/day 23-43 mm/day Heavy rain: 44-88 mm/day Very heavy rain: ≥ 89 mm/day
Probabilistic values <ul style="list-style-type: none"> • AN (%) • NN (%) • BN (%) 	This value represents the chance that the forecast will with respect to the climatology, divided into three categories: Above normal (likelihood in percent) Near normal (likelihood in percent) Below normal (likelihood in percent)
<ul style="list-style-type: none"> • Anomaly 	The difference between the deterministic value and the climatology (Climatology = Deterministic - Anomaly)