

Integrated Forecast Dissemination Portal INSTANT

GO TO DASHBOARD

TO VIEW ALERTS

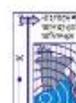


Forecast Map

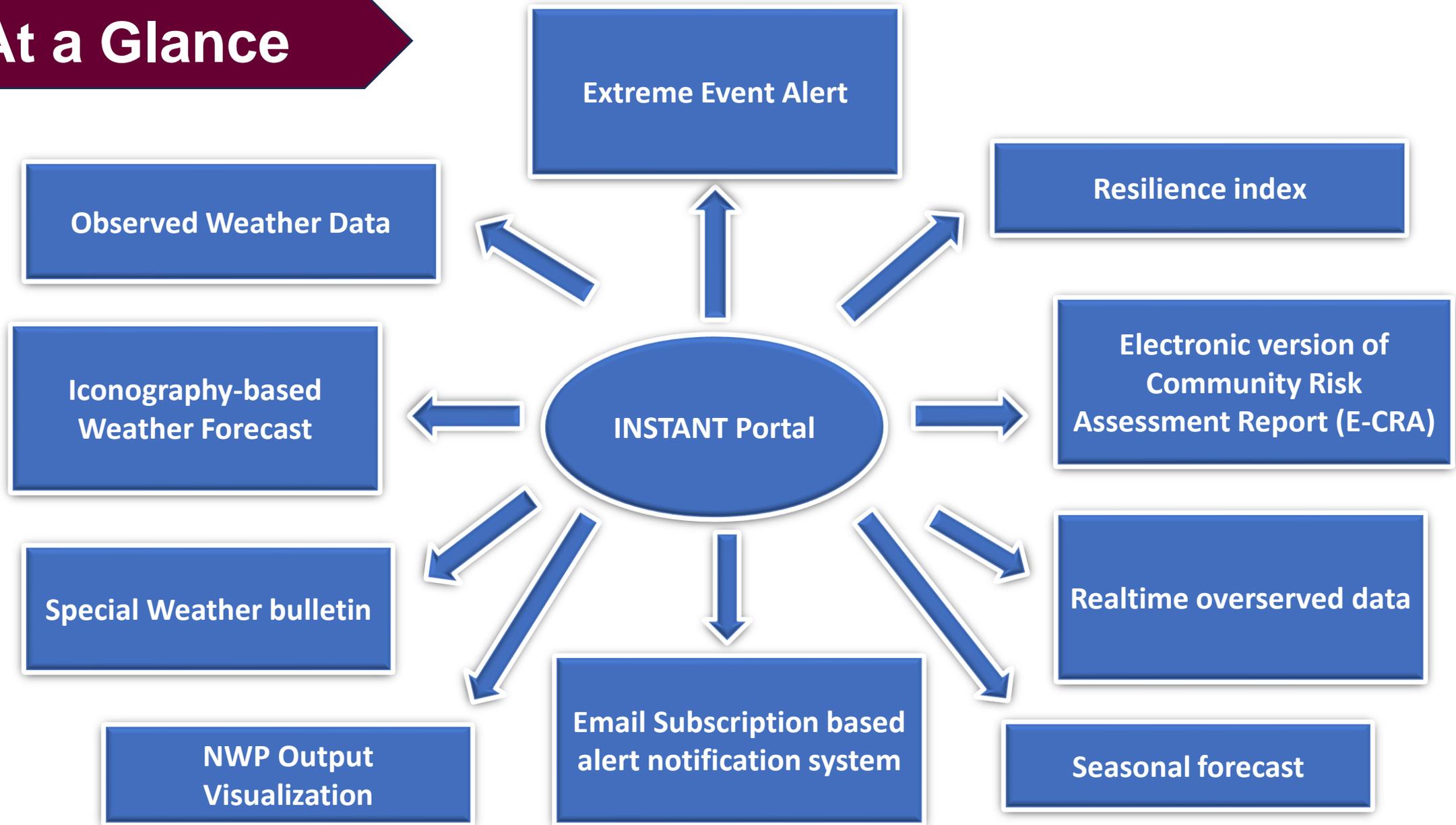
Real Time Data

Observed Data

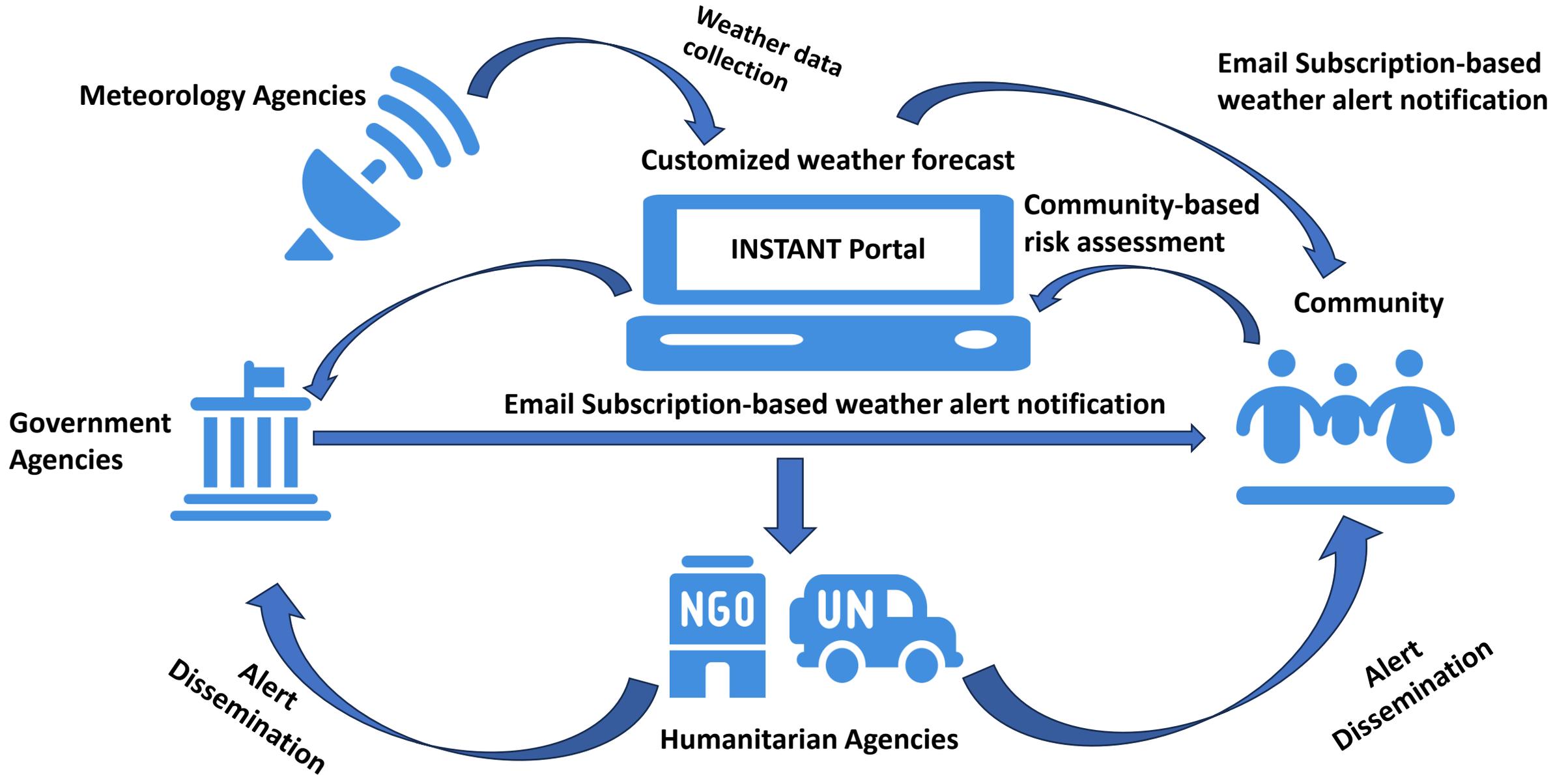
User Manual



At a Glance



How It Works



INSTANT
Integrated Forecast
Dissemination Portal

 5 Day Weather

Provides users with a detailed weather forecast for the next five days, including information on temperature, precipitation, wind speed, and more.

 Weather Forecast Map

Allows users to view a map with weather information overlay, helping them visualize weather conditions in specific regions.

 Alerts

Provides weather alerts and warnings, such as severe weather warnings, storm alerts, or other important information that may impact daily activities.

 Seasonal Forecast

Users may access long-term weather forecasts and predictions for upcoming seasons or months.

 Hazard Calendar

Highlights potential weather-related hazards or events, such as Cyclone, floods, or heatwaves, allowing users to plan accordingly.

 Special Bulletin

A section for special weather bulletins or updates, particularly for significant weather events or emergencies.

 Data

Provides access to raw weather data, such as temperature, humidity, and atmospheric pressure, which can be useful for research or analysis.

 Risk Assessment

Shows digital risk assessment findings related to weather conditions, helping individuals and organizations make informed decisions.

 Subscribe

An option to sign up for regular weather updates and notifications via email.

 About

Provides information about the portal, including its purpose, the organization behind it, and contact details.

ENG

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This indicates that the portal is available in both English and Bengali, allowing users to choose their preferred language for accessing weather information.

Ukhia

Select location of interest

Click to view a detailed weather forecast for the next five days, including information on temperature, precipitation, wind speed, and more.

RELATIVE HUMIDITY 79% TEMPERATURE 28°C WIND SPEED 45km/h

Data source: BMDWRF | Last Update: 2023-09-19, 12:00

Share Tweet

Tuesday 19 Spt, 2023	Wednesday 20 Spt, 2023	Thursday 21 Spt, 2023	Friday 22 Spt, 2023	Saturday 23 Spt, 2023
31°/24°C	31°/25°C	31°/24°C	31°/24°C	30°/24°C
0-8 mm	0-25 mm	0-21 mm	0-15 mm	0-13 mm
SE 27 km/h	SE 23 km/h	SE 19 km/h	SE 14 km/h	SE 11 km/h
86%	89%	91%	91%	92%

7 DAYS FORECAST

2 DAYS HOURLY FORECAST

7 days Forecast of Ukhia upazila



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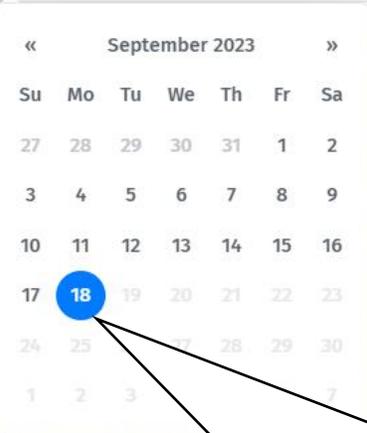
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2023-09-18

Load Forecast

[Day 2] 2023-09-19 06:00 to 2023-09-20 06:00 BST



Select any date from the forecast-generating date to any of the next 10 days.

Select a specific date for their weather forecast. This is the date when forecast is generated.

Choose a particular meteorological parameter you'd like to view the forecast for.

Different color code for different threshold

Rainfall

Cloud Cover

Temperature Max

Temperature Min

Relative Humidity

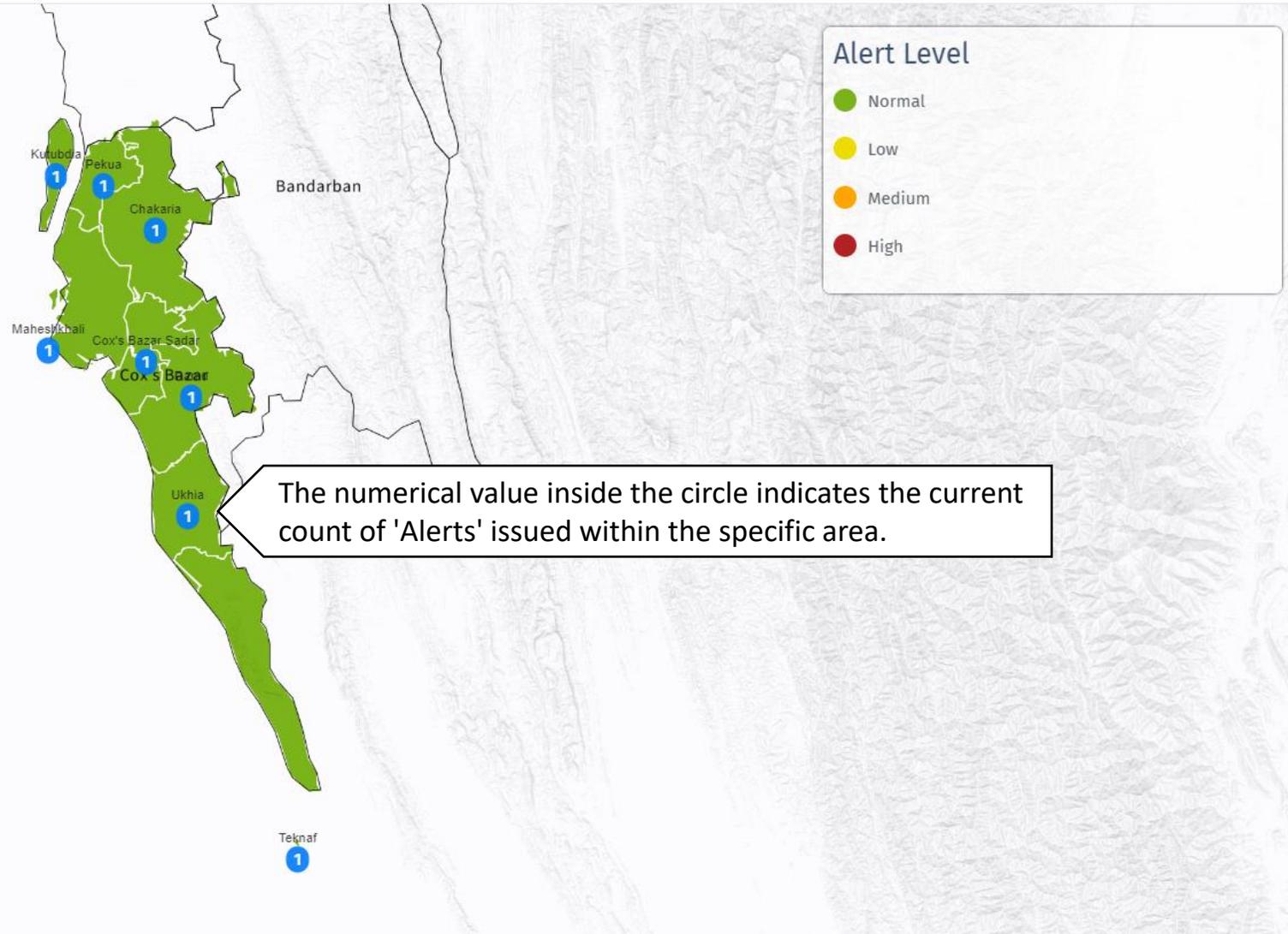
Wind Speed



Weather Alert • Alert Overview

- 5 Day Weather
- Weather Forecast Map
- Alerts**
- Weather Alerts
- Flash Flood Alert
- Lightning Alert
- Seasonal Forecast
- Hazard Calendar
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Click "Alert." Then click "Weather Alerts" from the dropdown menu.



The numerical value inside the circle indicates the current count of 'Alerts' issued within the specific area.

Weather Alert • Rain



Click here to view Rain alert



Rain Thresholds

- Daily accumulated precipitation < 22mm
- 22mm <= Daily accumulated precipitation < 48mm
- 48mm <= Daily accumulated precipitation < 88mm
- Daily accumulated precipitation >= 88mm

NB. Click on the map to know detail information

Click on any specific area on the map to view the maximum alert level during next five days

Here you will view the maximum alert level during next five days

Ukhia | Rain (Spatial Average)

● 18 Spt, 2023 | Rain : 11mm

● 19 Spt, 2023 | Rain : 6mm

● 20 Spt, 2023 | Rain : 1mm

● 21 Spt, 2023 | Rain : 9mm

● 22 Spt, 2023 | Rain : 3mm



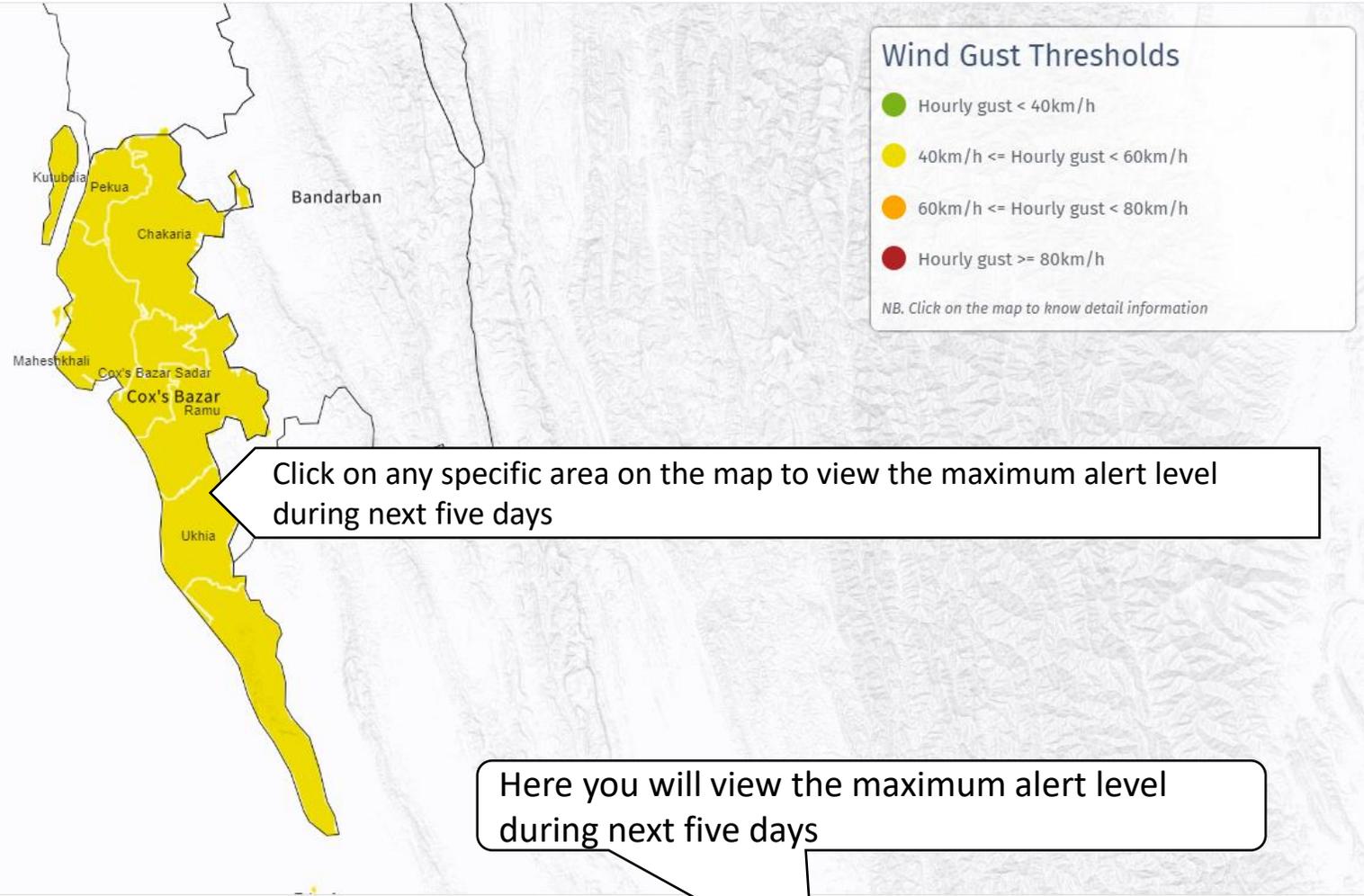
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Weather Alert • Wind Gust



Click here to view Wind alert



Wind Gust Thresholds

- Hourly gust < 40km/h
- 40km/h <= Hourly gust < 60km/h
- 60km/h <= Hourly gust < 80km/h
- Hourly gust >= 80km/h

NB. Click on the map to know detail information

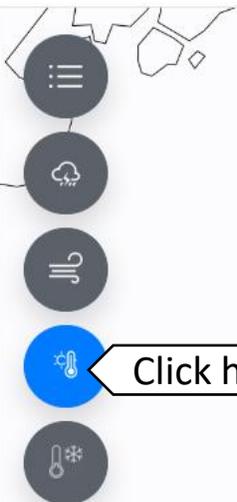
Click on any specific area on the map to view the maximum alert level during next five days

Here you will view the maximum alert level during next five days

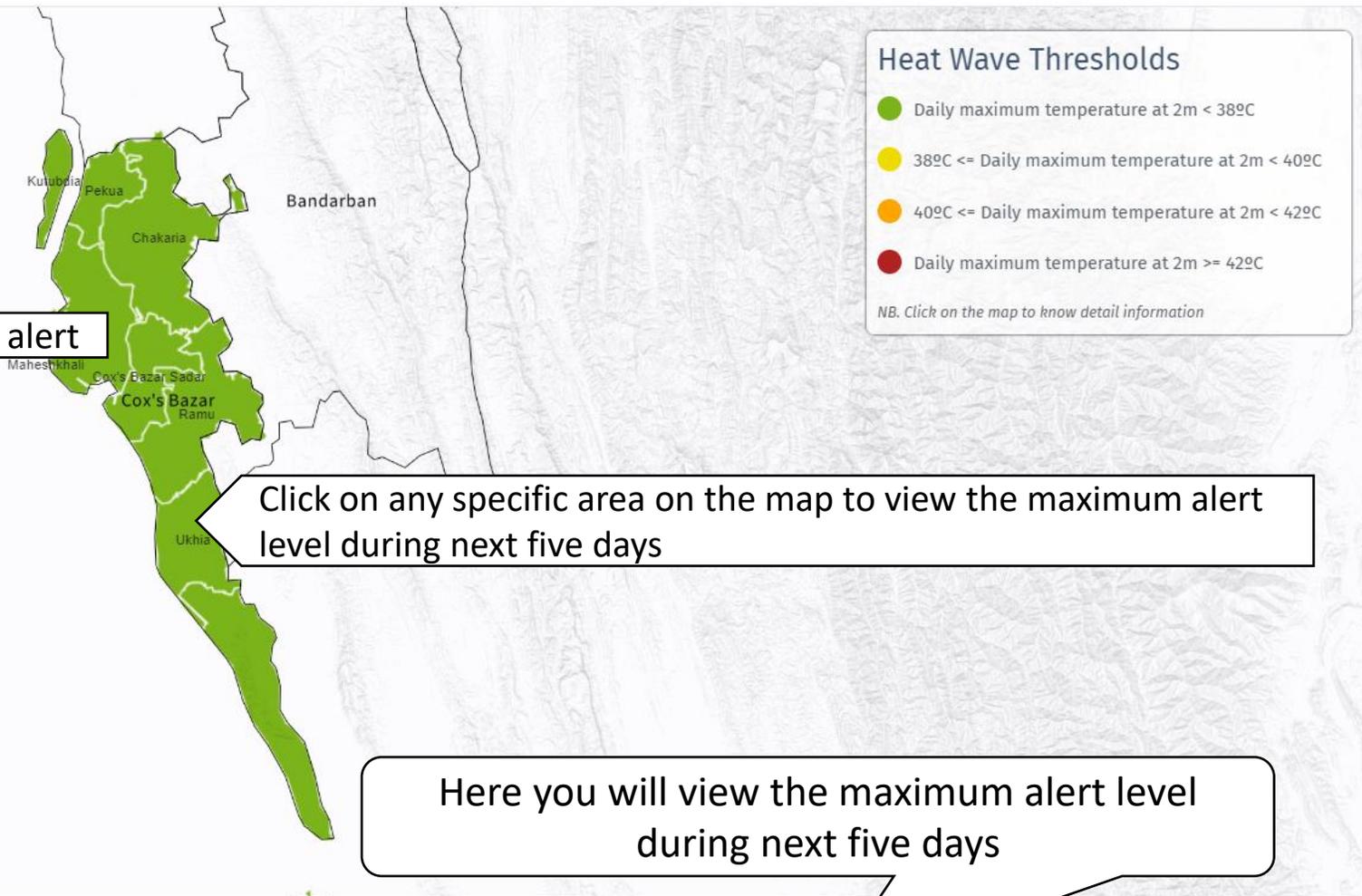
Ukhia | Wind Gust

● 19 Spt, 2023 Wind Gust: 56km/h	● 20 Spt, 2023 Wind Gust: 47km/h	● 21 Spt, 2023 Wind Gust: 37km/h	● 22 Spt, 2023 Wind Gust: 27km/h	● 23 Spt, 2023 Wind Gust: 17km/h
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Weather Alert • Heat Wave



Click here to view Heatwave alert



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Ukhiya | Heat Wave

19 Spt, 2023 | Max : 30°C

20 Spt, 2023 | Max : 30°C

21 Spt, 2023 | Max : 30°C

22 Spt, 2023 | Max : 30°C

23 Spt, 2023 | Max : 30°C

Weather Alert • Cold Wave

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Click here to view Cold wave alert



Click on any specific area on the map to view the maximum alert level during next five days

Here you will view the maximum alert level during next five days

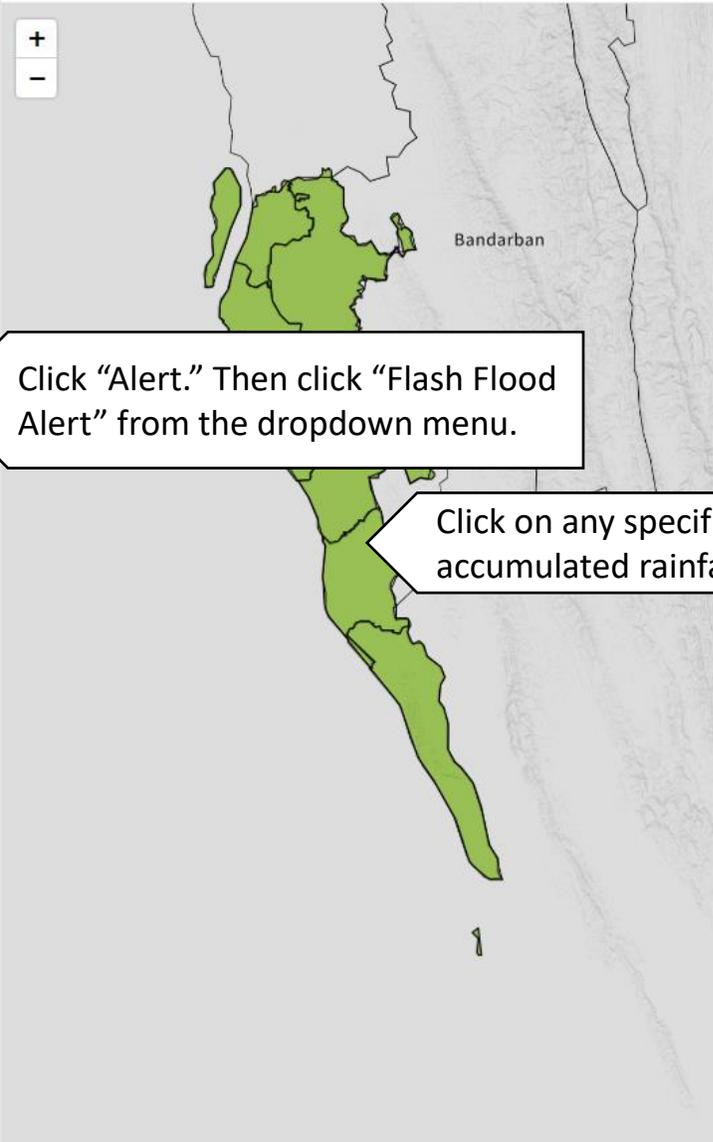
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Ukhia | Cold Wave

● 19 Spt, 2023 Min : 24°C	● 20 Spt, 2023 Min : 24°C	● 21 Spt, 2023 Min : 23°C	● 22 Spt, 2023 Min : 23°C	● 23 Spt, 2023 Min : 24°C
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Flash Flood Alert



Click "Alert." Then click "Flash Flood Alert" from the dropdown menu.

Click on any specific area on the map to view the Accumulated Rainfall of the area during next 3 days. The accumulated rainfall will be shown at the lower right side

Flash Flood Thresholds

Lead Time	Alert with accumulated rainfall (mm)	
24 Hours	● 24 Hours accumulated precipitation < 121.6mm	● 24 Hours accumulated precipitation > 152mm
	● 121.6mm <= 24 Hours accumulated precipitation < 152mm	● 48 Hours accumulated precipitation > 210mm
48 Hours	● 168mm <= 48 Hours accumulated precipitation < 210mm	● 72 Hours accumulated precipitation > 268mm
72 Hours	● 211.2mm <= 72 Hours accumulated precipitation < 268mm	

Accumulated Rainfall of Ukhia (mm)

Duration	2023-09-18	2023-09-19	2023-09-20
24 Hours	20.24	36.48	13.77
48 Hours	33.61	56.72	50.25
72 Hours	39.27	70.09	70.49

Seasonal Forecast

Previous outlooks are available here



Monthly and Seasonal Outlook of Rainfall for Chattogram and Cox's Bazar Region, Bangladesh

Issued on September 10, 2023
For the Month September and Sep-Oct-Nov

Click to view monthly and 3 months outlook for rainfall

Observed Climate in August 2023

The cumulative rainfall for the month of August in Cox's Bazar was 788 mm and in Teknaf was 626 mm which indicates near normal rainfall in Cox's Bazar (16%) and below normal in Teknaf (-30%) during August. For reference, based on the climatology (1980-2018) the normal cumulative rainfall for the month of August is 667 mm in Cox's Bazar and 889 mm in Teknaf. The overall rainfall scenario was above normal (55.7%) for Chattogram in the month of August.

Outlook for September 2023

Considering World Meteorological Organization (WMO) designated global center model outputs, RIMES FOCUS probabilistic outlook, and BMD's deterministic forecast, there is a 60% chance of near normal to above normal rainfall in Cox's Bazar region during the month of September. For reference, based on the climatology (1980-2018) the normal cumulative rainfall for the month of September in Cox's Bazar is 330 mm and Teknaf is 402 mm. Overall, analyzing the available model output, it is likely to be normal to near normal for the whole country during the month of September.

English

Bangla

Recent Seasonal Forecast

[2023 September and September-October-November](#)

[2023 August and August-September-October](#)

[2023 July and July-August-September](#)

[2022 January and January-February-March](#)

[2021 December and December-January-February](#)

[2021 November and November-December-January](#)

[2021 October and October-November-December](#)

[2021 September and September-October-November](#)

[2021 August and August-September-October](#)

[2021 July and July-August-September](#)

[2021 June and June-July-August](#)

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Ukhiya, Cox's Bazar Station

Statistics

Observation

Todays Statistics

Select a specific weather station for observed data.

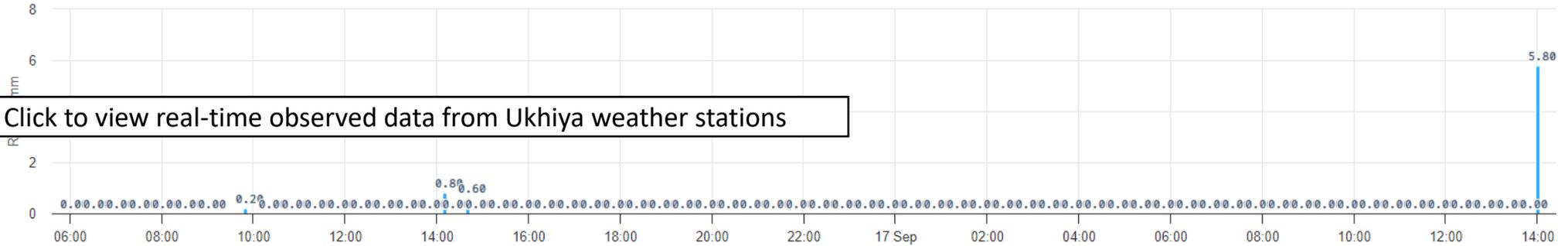
TOTAL PRECIPITATION
7.40mm

CURRENT TEMPERATURE
28.30°C

CURRENT RELATIVE HUMIDITY
99.60%

CURRENT WIND SPEED
-

Todays Rainfall Graph



Todays Temperature Graph



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Ukhiya, Cox's Bazar Station

Statistics

Observation

Select a specific weather station for observed data.

Observation

Select Data Series

Rainfall

Select a parameter

To Date

09/13/2023

To Date

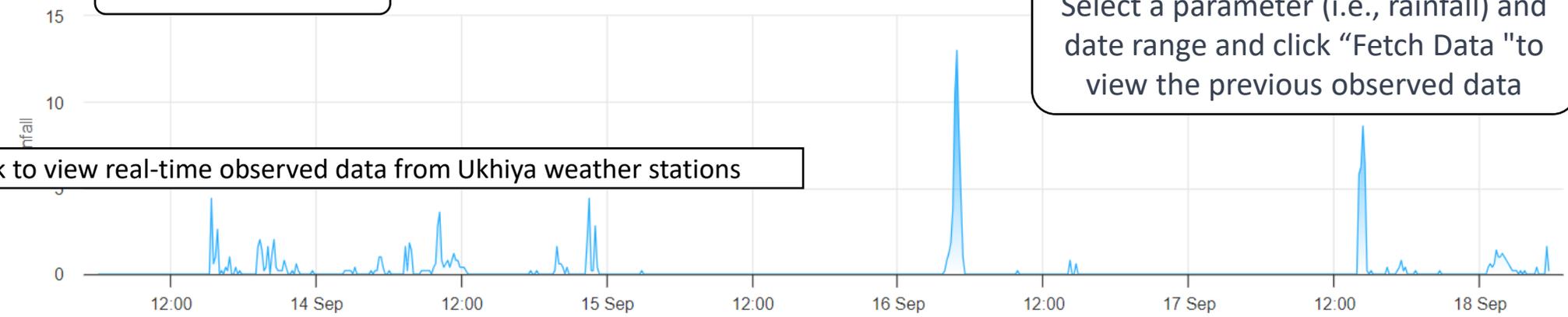
09/17/2023

Action

Fetch Data

Select a parameter (i.e., rainfall) and date range and click "Fetch Data" to view the previous observed data

Click to view real-time observed data from Ukhiya weather stations



Show 10 entries

Search:

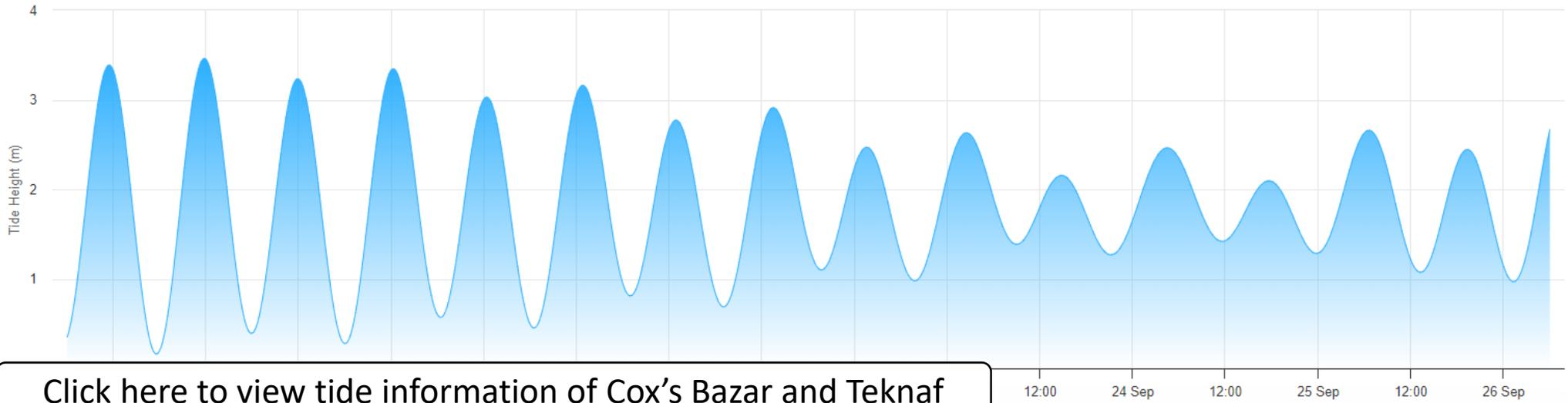
#	Parameter	Record Time	Value	Unit
0	Rainfall	2023-09-13T00:00:00+00:00	0	
1	Rainfall	2023-09-13T00:10:00+00:00	0	
2	Rainfall	2023-09-13T00:20:00+00:00	0	

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Tide Information

NEXT 7 DAYS TIDE FORECAST FOR COX'S BAZAR



Click here to view tide information of Cox's Bazar and Teknaf

NEXT 7 DAYS TIDE FORECAST FOR TEKNAF



Observed Data

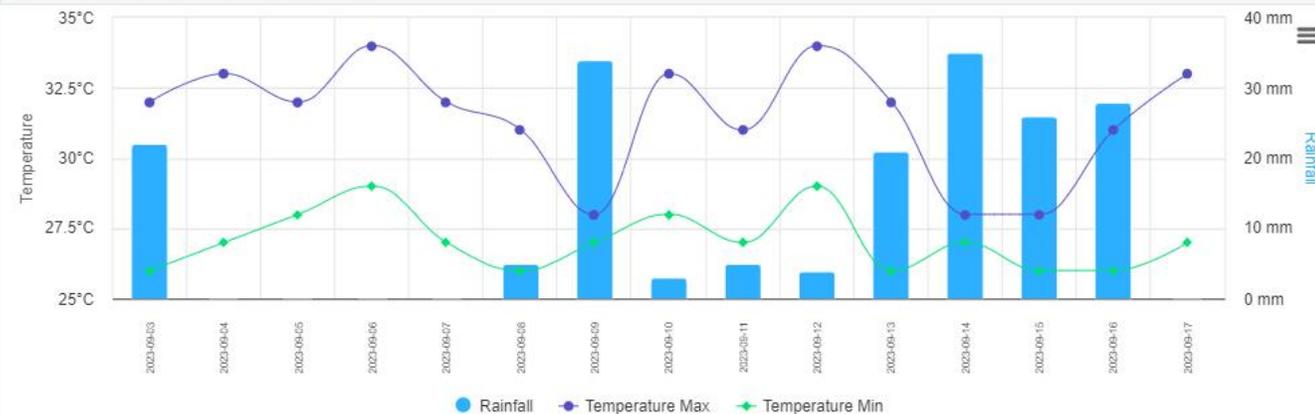
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Click to view observed weather data from weather stations at Teknaf, Cox's Bazar, and Kutubdia

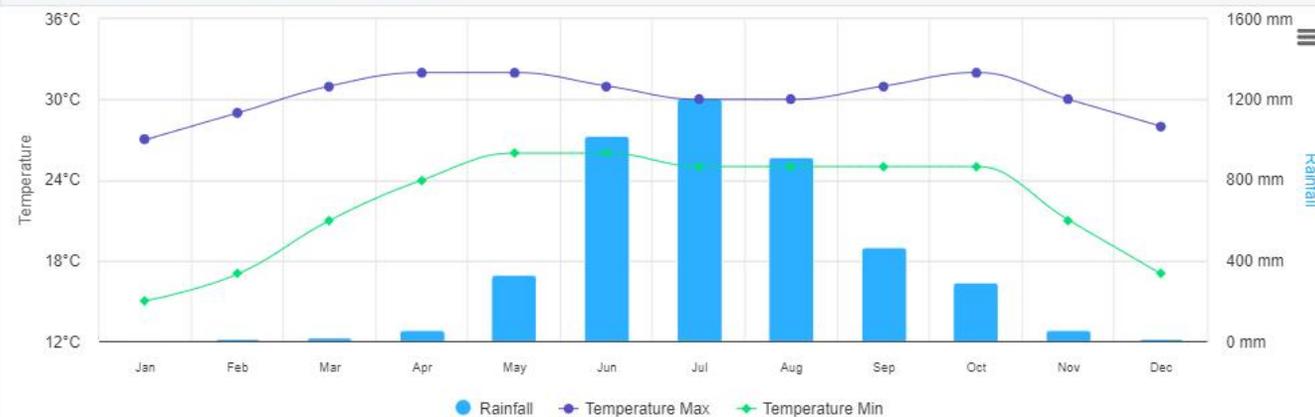


Click on any specific area on the map to view the last 15 days of observed data, 30 Years of Climatology, and Climate anomaly for the current year.

Last 15 days observed data of Cox's Bazar station



Last 30 Years Climatology of Cox's Bazar Station



Community Risk Assessment

Resilience Index Risk Reduction Union Profile

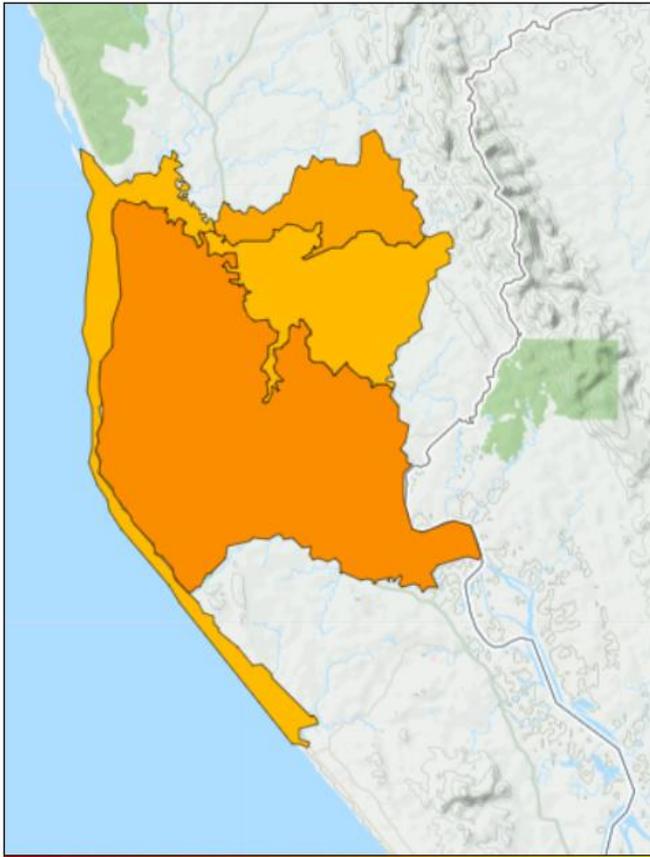
Cox's Bazar

Ukhia

Raja Palong

Fetch Data

Select district, Upazila, and union to view the Resilience score along with a score of different variables of the respective union



Resilience Index of Palong Khali

Physical	Social	Economic	Institutional	Natural	Total
3.06	2.64	2.00	3.66	3.04	2.88

Dimension	Parameter	Variable	Score
Physical	Electricity	Availability of electricity	5
Physical	Electricity	Alternate source (Solar power)	2
Physical	Electricity	Access to electricity	3
Physical	Water	Access to safe water	5
Physical	Water	Availability of safe water	5
Physical	Sanitation and Waste Management	Access to sanitation	5
Physical	Sanitation and Waste Management	Solid Waste Management	1
Physical	Accessibility of roads	Status of interruption due to intense rainfall/flash flood	2
Physical	Accessibility of roads	Paved roads (%)	4
Physical	Housing and land use	Buildings with non-permanent structure	1
Physical	Housing and land use	Houses above flood level	1
Physical	Disaster prevention and mitigation	Structural measures for disaster prevention and mitigation	1
Social	Disaster prevention and mitigation	Population growth	2

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Electronic Community Risk Assessment (eCRA)

Chittagong ▼ Cox's Bazar ▼ Ukhia ▼ Palong Khali ▼ 2022 ▼ [Load eCRA](#)

eCRA for Palong Khali, Ukhia, Cox's Bazar

Major Hazard

Rank	Hazard Name
1	Rohingya Influx
2	Environment Pollution
3	Cyclone
4	Flash Flood
5	Waterlogging
8	Fire
9	Drought

Select appropriate location and click "Load eCRA" and Year to view the electronic CRA report of the respective union

Click "eCRA" to view the digital version of community risk assessment report

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Registration For Subscription

- Heavy Rainfall Alert
- Heat/Cold Wave Alert
- Gust Wind Alert
- Flash Flood Alert

- Extreme Rainfall Alert
- Cyclone Alert
- Seasonal Forecast
- Special Bulletin

I agree to receive email from this system.

Submit Registration

Feedback

Please write your message here...

Submit Feedback

Fill up your this form to

Click here to sign up for regular weather updates and notifications via email.

Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES)