



# WORLD METEOROLOGICAL DAY



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## WORLD DAY FOR GLACIERS. KEY MESSAGES

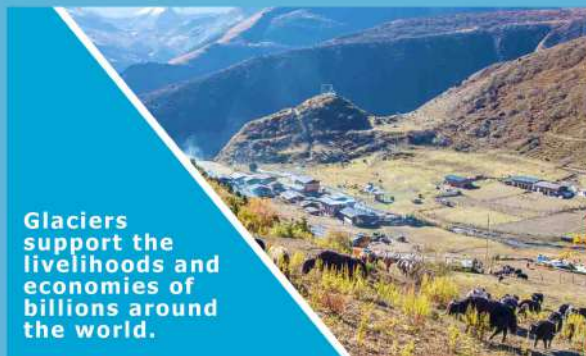
Immediate, ambitious action to reduce greenhouse gas concentrations is needed to stabilize the climate, to preserve glaciers, and secure a sustainable future for all.



Glacier monitoring provides important data for climate adaptation and mitigation strategies, and it needs to be expanded.



Glaciers support the livelihoods and economies of billions around the world.



Climate change involving deglaciation is severely impacting polar regions and global oceans.



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## WORLD DAY FOR GLACIERS. KEY MESSAGES

**Youth  
inclusion  
can drive  
collective  
action and  
lead the way  
forward.**



**Glaciers  
have cultural  
and spiritual  
significance.**



**Glaciers  
are a  
crucial  
testimony  
of the Earth's  
history.**



**Glacier  
shrinkage  
unveils new  
post-glacial  
landscapes  
and ecosystems.**



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## WEATHER STATIONS BRIEF INFORMATION



### AUTOMATIC WEATHER STATION (AWS)

AWS records & transmit various weather & climate data from the remote sites to Central database every 15 min. Parameters:

1. Air temp, Relative humidity
2. Wind direction & speed
3. Global radiation
4. Evaporation & rainfall
5. Soil tem. And moisture



### AGRO-METEOROLOGICAL STATION

Class A -Agrometeorological Stations record the weather & climate data related to agriculture at site at 9:00 AM & 3:00PM. Parameters:

1. Max & Min. Temperature
2. Dry & Wet Temperature
3. Wind direction & speed
4. Sun shine duration, soil temperature
5. Evaporation; rainfall.



### CLIMATOLOGICAL STATION

Class C -Climatological Stations record long term climate data at site at 9:00 AM Parameters:

1. Max & Min. Temperature
2. Dry & Wet Temperature
3. Rainfall.

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# SCIENCE SEMINAR

**Joint Celebration of  
World Day for Glaciers and  
World Meteorological Day**

**21st March 2025**

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## WORLD DAY FOR GLACIERS. KEY MESSAGES

**Glaciers  
are critical  
to life.**

**Glaciers  
are sensitive  
indicators  
of climate  
change and are  
retreating global  
due to rising  
temperatures.**

**Melting  
snow and  
ice from  
mountains  
are critical  
for freshwater  
supply in many  
regions.**

**Melting  
glaciers,  
thawing  
permafrost  
and other  
cryospheric  
changes create  
new hazards  
and exacerbate  
existing hazards,  
increasing the risk  
of disasters.**

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## WORLD DAY FOR GLACIERS. KEY MESSAGES

**Vanishing glaciers are impacting mountain tourism**



THE UNITED NATIONS HAS DECLARED 2025 AS THE INTERNATIONAL YEAR OF GLACIERS' PRESERVATION AND STARTING FROM 2025, MARCH 21 IS RECOGNIZED AS THE WORLD DAY OF GLACIERS.

THE THEME OF THE DAY IS TO RAISE GLOBAL AWARENESS ABOUT THE CRITICAL ROLE OF GLACIERS.

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# **WORLD DAY FOR GLACIERS**

21st March 2025

**"Glaciers' Preservation"**

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# **WORLD METEOROLOGICAL DAY**

**23<sup>rd</sup> March 2025**

**"Closing the Early Warning  
Gap Together"**

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