



## Weather station data – precipitation and temperature – at Pelrithang School in Gelephu, Bhutan ( 2014-2019)

As part of climate change impact monitoring program on biodiversity, Ugyen Wangchuck Institute for Conservation and Environment Research (UWICER) has initiated HEROES program in 2015. 17 schools covering different altitudinal gradient and geographic region were selected as monitoring sites. In each school, weather station was installed that logs weather data such as temperature, precipitation, solar radiation, soil moisture, wind speed and wind direction every 10 minutes. Also, at the same location, the project monitors and records phenological events and its timing such as budburst, flowering and fruiting on an yearly basis. This dataset consists of daily and monthly temperature and precipitation data for 2014-2019 period derived from weather station data collected at 10 minute interval at Pelrithang School in Gelephu, Bhutan.

### Simple

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<b>Purpose</b>	The main objective of survey is to determine how an yearly variation of temperature and precipitation is affecting phenology of plants and animals, and to understand how this variation is going to impact the biodiversity in Bhutan.
<b>Status</b>	Completed
<b>Maintenance and update frequency</b>	As needed
<b>( Theme )</b>	<ul style="list-style-type: none"><li>• HEROES</li><li>• Climate Change</li><li>• Citizen Science</li><li>• Phenology study</li><li>• Change change impact</li><li>• Bhutan Phenology Network</li><li>• Biodiversity</li><li>• Climate variable</li><li>• Temperature</li><li>• Precipitation</li></ul>
<b>Keywords ( Place )</b>	<ul style="list-style-type: none"><li>• Bhutan</li><li>• Pelrithang</li><li>• Gelephu</li><li>• UWICER</li></ul>
<b>Use limitation</b>	Free to use with attribution to the source. Suggested citation: Tshering, C., Wangdi, S., Pelzang, S., Choden, T., Dorji, S., Norbu, N., Dorji, C., & Chhetri, A. (2021). Weather station data – precipitation and temperature – at Pelrithang School in Gelephu, Bhutan (2014-2019) [Data set]. UWICER. <a href="https://doi.org/10.26066/RDS.1972735">https://doi.org/10.26066/RDS.1972735</a>
<b>Access constraints</b>	Copyright
<b>Use constraints</b>	Copyright
<b>Metadata language</b>	eng
<b>Character set</b>	UTF8
<b>Topic category</b>	<ul style="list-style-type: none"><li>• Geoscientific information</li></ul>

<b>Reference system identifier</b>	WGS 1984
<b>Distributor</b> <i>ICIMOD -</i>	
<b>OnLine resource</b>	<a href="#">HEROES</a> ( WWW:LINK-1.0-http--link ) The HEROES project generates a yearly phenology and climate records from different regions of Bhutan. Basically, it involves plant observation data recorded by students and climate data generated from automatic weather station.
<b>Hierarchy level</b>	Dataset
<b>File identifier</b>	12b63cc0-df58-4561-a1e1-c3faa33ea86a <a href="#">XML</a>
<b>Metadata language</b>	eng
<b>Character set</b>	UTF8
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<b>Date stamp</b>	2021-10-01T10:28:08
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## Overviews

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