



Weather station data – precipitation and temperature – at Khasadrapchu School in Thimphu, Bhutan (2015-2020)

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 monitor 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 2015-2020 period derived from weather station data collected at 10 minute interval at Khasadrapchu School in Thimphu, Bhutan.

Simple

Date (Publication)	2015-01-01
Author UWICER - Changa Tshering (Principal Forestry Officer) Bhutan +975-03-631926 Author UWICER - Sonam Wangdi (Sr. Librarian) Bhutan Author UWICER - Sangay Pelzang (Sr. ICT Officer) Bhutan Author UWICER - Tashi Choden (Sr. ICT Officer) Bhutan Author UWICER - Shacha Dorji (Director) Bhutan Author UWICER - Nawang Norbu (Director) Bhutan Author Khasadrapchu School - Tashi Yangzom (Teacher) Bhutan Author Khasadrapchu School - Rupa Rai (Teacher) Bhutan	
Purpose	The main objective of survey is to determine how an yearly variation of temperature and precipitation is affecting phenology of plants and animals. Also, to understand how this variation is going to impact the biodiversity in Bhutan.
Status	Completed
Maintenance and update frequency	As needed
(Theme)	<ul style="list-style-type: none">• HEROES• Climate Change• Citizen Science• Phenology study• Change change impact• Bhutan Phenology Network• Biodiversity• Climate variable• Temperature• Precipitation
Keywords (Place)	<ul style="list-style-type: none">• Bhutan• Khasadrapchu• Thimphu• UWICER
Use limitation	Free to use with attribution to the source. Suggested citation: Tshering, C., Wangdi, S., Pelzang, S., Choden, T., Dorji, S., Norbu, N., Rai, R., & Yangzom, T. (2021). Weather station data – precipitation and temperature – at Khasadrapchu School in Thimphu, Bhutan (2015-2020). [Data set]. UWICER. https://doi.org/10.26066/RDS.1972718
Access constraints	Copyright
Use constraints	Copyright
Metadata language	eng
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Geoscientific information

Reference system identifier	WGS 1984
Distributor <i>ICIMOD -</i>	
OnLine resource	HEROES (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.
Hierarchy level	Dataset
File identifier	70015f61-73ae-47c9-bc02-e5374e955b5a XML
Metadata language	eng
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2021-10-01T10:41:03
Metadata standard name	North American Profile of ISO 19115:2003
Author <i>UWICER - Changa Tshering (Principal Forestry Officer)</i>	

Overviews

Provided by



[Access to the portal](#)

Read here the full details and access to the data.