

## Climatic differences

WORKSHEET to lesson "Meteorological measurements in the Arctic"

Scientists from around the world conduct extensive research on the elements of the natural environment in both the Arctic and Antarctic. Data (such as meteorological data) are collected and forwarded to relevant departments for analysis and archiving. Datasets are also published in special services available to all users. One of the Arctic stations is located on Spitsbergen - the biggest island of the Svalbard Archipelago and conducts year-round scientific research. It is called the Polish Polar Station Hornsund (Hornsund Station) and is the northern-most permanent Polish scientific site. Tasks below include inter alia datasets collected at Hornsund Station.

**Task 1.** Using a website <http://hornsund.igf.edu.pl/en> calculate how many years ago Hornsund Station was established and for how many years it has been operating.

--

**Task 2.** Using a website [www.windy.com](http://www.windy.com) calculate the difference between the actual **air temperature** at Hornsund Station and your hometown. Explain the difference.

	Hornsund	My hometown
Air temperature		
<u>Explanation</u> 		

**Task 3.** Using a website [www.windy.com](http://www.windy.com) compare the actual **air temperature** at Hornsund Station (the Arctic) and Henryk Arctowski Polish Antarctic Station (the Antarctic). Fill the table and calculate the difference.

	Stanisław Siedlecki Polish Polar Station in Hornsund (the Arctic)	Henryk Arctowski Polish Antarctic Station (the Antarctic)	Difference
Air temperature			