



CLIMATE PROJECT - PLANNING SHEET

Title: GLACIER

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Age: 15-16

Content:

This activity allows us to know the main problems that accelerate the melting of the ice in the glacier, analyzing the data corresponding to the melting of a glacier in the Aragonese Pyrenees.

The project is made by building graphs to show how the increase in temperature affects the volume of ice on the glacier. The global temperature increase due to climate change is accelerating the melting of glaciers, as higher temperatures increase the melting rates and less snow falls that could replenish the ice masses. This results in a massive loss of glacier mass.

Development goals:

Children learn to work together through the whole process as find and analyze data.

Children learn how to analyze the data registered on the app (CO₂ level, temperature, volume of ice) and build the corresponding graphs.

Children learn how to compare data series and draw conclusions about the relationship between them.

Planning:

We search for the data about the relationship between temperature variation and glacier ice volume in recent years.

We build graphs comparing the data series

We draw conclusions about the relationship between the magnitudes

Resources:

Materials: laptops or tablets, Wi-Fi and a pen.

Space: classroom.

Feedback:

This activity allows us to compare ice levels and temperature. It also gives us the opportunity to know how the climate change affects the volume of ice on a glacier. There might be some difficulties with Wi-Fi connections.