



An Italian research center is attempting to show the conditions of a climate disaster under laboratory conditions.

The climatic chambers at the Eurac facility in Bozen-Bolzano are able to create extreme weathers and temperatures from artificial snow blizzards at minus 40 degrees Celsius to the driest of heat waves. Scientists want to see how climate change is affecting the natural world, and how humans, plants, and small animals **acclimatize** when exposed to the harshest weather conditions, without **endangering** themselves.

Also until now, mountain rescuers had to climb four days to practice emergency procedures. However, these rooms' new technologies can create these **treacherous** conditions for training.

Scientists hope that data from the experiments will also help inform people about how to care about the natural world a little better.

Difficult words: **acclimatize** (to become used to a new place, situation, or conditions), **endanger** (to put someone at risk or in danger), **treacherous** (very dangerous and unreliable).

**Discussion Questions****Topic Talk**

1. Define the following words: *acclimatize*, *endanger* and *treacherous*
2. What does the Italian research center attempt to show using their climatic chambers?
3. What kind of weathers and temperatures are the climatic chambers able to create?
4. What is the main objective of the scientists for using climatic chambers in their research?
5. Apart from doing scientific research, where else can the climatic chambers be used?
6. How will the data from the experiments help the natural world?

Express Your Thoughts

1. Have you heard of climatic chambers being used by scientists in your country?
2. Do you know of any new technologies that are used by scientists today in their research?
3. Why do you think it's important to understand how humans, plants and animals acclimatize to extreme weather conditions?