

KLIMAH AUS EXPLORATION TRIP

STATION 01

Isenthal, Switzerland



STATION 02

Seneghe, Sardinia



STATION 03

Kanak, Niger



STATION 04

Ikenge, Cameroon



STATION 07

Gambell, Alaska



STATION 06

Satitoo, Samoa and Fakaofu, Tokelau



STATION 05

Queen-Maud-Land, Antarctica



STATION 08

Hallig Langeneß, Germany



WHAT TO EXPECT

In the Klimahaus, you will experience a journey through the Earth's climate zones **along the eighth eastern degree of longitude**. At each of the journey's stations, you will learn about the country, its people, animals, and plants.

You will also find out how they are affected by climate change.

These **exploration sheets** will support you throughout the journey. They provide tasks and hints to help you navigate through a multitude of information and impressions.



KLIMAH AUS[®]
BREMERHAVEN

HOW TO WORK WITH THE EXPLORATION SHEETS?

Every sheet contains various questions and assignments as well as space for notes

- Visit the exhibition first and then answer the questions on the sheet. Note the coordinates of the places you visit.
- You can select one or more tasks, depending on what you are up for. Once you have completed a task, you can tick it off.
- Here, you are asked to document typical sounds and images. You can share your results with the class later and discuss your discoveries.
- Note your thoughts, questions, and impressions. Were there any unanswered questions or topics you would like to know more about? Use this space to keep track.

To intensively explore all stations of the exhibition, a single visit will not be enough. It therefore makes sense to make a selection: Which station would you like to spend more time in? Depending on whether you find a station interesting or not, you can stay longer or shorter. Discuss with your teacher how many stations your group should work on.

STATION 01: ISENTHAL, SWITZERLAND
COORDINATES: [Redacted]

Viewpoint on the Rorschachdale above Isenthal in the Swiss canton

ASSIGNMENTS TO CHOOSE FROM:

TRY OUT YOURSELF: Jauchzen
The people on the alp have developed a special method to exploit the Jauchz-station you can try yourself. Do you have the courage?

EXPLORATION: short video-documentation about the glacier
The path leads you to the summit and through the glacier. Share your experience.

DOCUMENTATION

A typical noise
Listen for a typical noise at this location. Record it with your phone or describe it in your own words.

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What I saw
Take a picture of something that impressed or concerned you.

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REFLECTION

What I found most interesting:

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What I want to know more about:

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FOLLOW-UP

Reflect on your discoveries and documentation back at school. It can be fun to share the sounds and photos you collected and immerse yourselves once again in your visit. Show each other the aspects that particularly engaged you and discuss what you would like to learn more about.

Enjoy the journey!

Name

Date

KLIMAHHAUS EXPLORATION TRIP



STATION 01: ISENTHAL, SWITZERLAND

COORDINATES:

You are on the Bywaldalp above Isenthal in the Swiss canton of Uri. This is where the Infanger family works during the summer season. In spring, the cows are herded up to the alp, where they stay until late summer. Here, they find herbs and lush grass. These provide the special taste of Swiss cheese. On the alp, people and animals live in harmony with nature. But climate change is also visible here. You can see the effects at this station.

Look around!

DAILY LIFE ON THE ALP

What does the daily life of people living on the alps look like? Is there something that impresses you or makes you think? Please describe:



CLIMATE CHANGE

What are the effects of climate change here? Describe at least one impact.





ASSIGNMENTS TO CHOOSE FROM:

TRY OUT YOURSELF: Jauchzen

The people on the alp have developed a special method to express their good mood. At the Jauchz-station you can try yourself. Do you have the courage?

EXPLORATION: short video-documentation about the glacier

The path leads you to the summit and trough the glacier. Share this experience by creating a short video-documentation about it.

RESEARCH: Free assignment; Title:

Make up your own assignment and carry it out.

Describe here what you did.

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DOCUMENTATION

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KLIMAHaus EXPLORATION TRIP



STATION 02: SENEGHE, SARDINIA

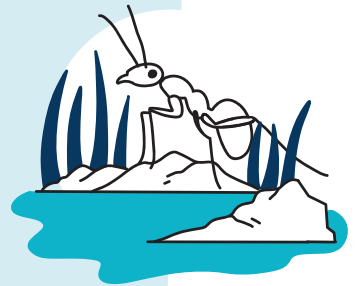
COORDINATES:



Sardinia is a beautiful island located in the Mediterranean Sea. Many aromatic herbs grow here and there is a wide variety of animal species. However, the summers are getting hotter and drier. This affects the living conditions of humans and animals. Here, you can find out what that looks like here.

FLORA & FAUNA

By looking at the terrariums you will get to know the flora and fauna of Sardinia. Take your time to discover them. Which animal impresses you most and why?



CLIMATE CHANGE

How does climate change affect Sardinia? Describe at least one impact:





ASSIGNMENTS TO CHOOSE FROM:

EXPLORATION: In the anthill

Can you find the anthill? You can crawl through the cave passage: Here, you will get an insight into the architectural works of ants and you watch them fulfill their tasks.

TRY YOURSELF: Butterfly effect

Between the high grasses, you will find a can that you can step into. Here you can learn about the scientific phenomenon, called *Butterfly effect*. With the help of a computer simulation, you can change weather scenarios and experiment on how these affect the weather at different places on earth. With the tools in the can, you can make it rain, create wind and increase the temperature in the exhibition. Can you find the affected rooms?

RESEARCH: Dirty laundry

Why does freshly hung up white laundry in Sardinia sometimes get brown? Which phenomenon is behind this? Try to find out!



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STATION 03: KANAK, NIGER

COORDINATES:



Your journey takes you to Kanak in Niger. Here, the temperature climbs to 35 degrees Celsius. This region is home to the Tuareg, a Muslim population group that lives in the Sahara desert and the Sahel. In Kanak you meet Mariam. She tells you about her everyday life in the desert. The landscape is dry and water is one of the most precious resources.

PEOPLE AND THEIR EVERYDAY LIVES

In a video, Mariam explains that she would love to go to school and why this is not possible. Which differences are there between Mariams and your own daily life? List your thoughts.



CLIMATE CHANGE

On the way up to the desert, you will find a video in which an old Tuareg woman talks about how climate change has altered the environment. Describe, which impacts the local people have to cope with.





ASSIGNMENTS TO CHOOSE FROM:

DISCOVERING: Catching a quote

In one of the rooms, you find many quotes and a video in which Mariam talks about her life in Kanak. Do you find one of the quotes particularly interesting, beautiful or surprising? Write it down or take a picture.

EXPLORING: Can you solve the riddle?

In the middle of the desert on the wall, it says „Je suis une mer“ (I am a sea). Why is that? Collect hints and briefly write down what this is all about.

TRY OUT YOURSELF: Tamasheq alphabet

The Tuareg speak **Tamasheq** which is written in **Tifinagh letters**. Depending on the region, the writing contains between 21 and 27 geometrical signs. Find the place in the exhibition where you can learn the Tuareg alphabet and write a message in Tifinagh. Take a picture of your message.

POINT OF REST: Relax in the desert

In one of the rooms, you find a 1:1 reconstruction of a piece of land in the desert, where you can feel the heat. If you can deal with the temperatures, you can lie down on the lounge. A movie is projected onto the ceiling and shows the life of the Tuareg. Relax and immerse yourself into the life in the desert.



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STATION 04: IKENGE, CAMEROON

COORDINATES:



You are now in Cameroon. Here, the village of Ikenge is shown, which is located in the rainforest. There are a variety of plants and animals that are threatened by deforestation for palm oil plantations. In the village, traditions shape local life.

THREATENED DIVERSITY

How does the consumption of supermarket products impact animals and plants in the rainforest? Try to find out and describe it here.



CLIMATE CHANGE

How does deforestation of the rainforest impact climate change? Describe at least one effect.





ASSIGNMENTS TO CHOOSE FROM:

RESEARCH: Gender roles

Duties of women and men are strictly separated in the village. The Chief (mayor) has the final say in all decisions. Find out how the people feel about this and note your observations.

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TRY OUT YOURSELF: Night walk through the rainforest

If you want to experience what it is like to be in the rainforest at night, you can take a walk through the dark rainforest.

DISCOVER: Animals

Which animals live in the river? Name at least two animals.

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STATION 05: QUEEN-MAUD-LAND, ANTARCTICA

COORDINATES:

Your journey will take you to the perpetual ice of Antarctica - to Queen-Maud-Land. Here, temperatures can drop as low as minus 89 degrees Celcius. Antarctica is particularly interesting for scientists, as the huge masses of ice have an influence on the Earth's climate. In the research station, you can discover how the scientists work and live here.

DAILY LIFE AT THE RESEARCH STATION

Life on the research station is, compared to life in warmer areas, very restricted. Is there something you consider particularly interesting or that provoked certain thoughts? Describe it:



CLIMATE CHANGE

Scientist gain knowledge about climate change here. What could their findings be? Describe:





ASSIGNMENTS TO CHOOSE FROM:

TRY OUT YOURSELF: The polar suit

The cold temperatures require particularly warm clothes. Here, you can put on a polar suit and experience what it is like to move around in it. Try it!

RESEARCH: Life without colour

A look at the landscape of Antarctica shows: There is only white in different nuances. How could this affect humans? What do you think? Ask your classmates as well and note interesting answers:

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EXPLORATION: Survival box

Take a look at the survival box. What do you need here to survive outdoors in case of an emergency? Write down at least three items that you consider necessary.

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DOCUMENTATION

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STATION 06: SATITOA, SAMOA AND FAKAOFO, TOKELAU

COORDINATES:

Your journey takes you to Samoa and Tokelau, two islands located in the southern Pacific. Here, you will find fantastic beaches, palm trees, a turquoise blue sea and lots of colourful fish. The temperatures vary between 28 and 35 degrees Celcius throughout the year... Life seems paradisiacal. However, this is a place where people and ecosystems are substantially affected by climate change.

PEOPLE AND THEIR DAILY LIVES

Which people do you meet on Samoa and Tokelau? What characterizes their daily lives? Can you come up with differences and similarities to your own daily life? Was there something, you considered particularly interesting or that concerned you? Write down your thoughts.



CLIMATE CHANGE

How does climate change affect this region? Describe at least one impact on humans and ecosystems each.





ASSIGNMENTS TO CHOOSE FROM:

TRY OUT YOURSELF: In the eye of the cyclone

You can find out more about cyclones in a hidden cabin. Here, you can experience a storm simulation. Find this cabin. What can you learn about cyclones and their impacts on Samoa and Tokelau? Collect impressions with your phone or write down your thoughts.

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DISCOVER: Find the Fale

What is a Fale and what is special about it? Look for hints along the coast. Note your findings. If you like, you can also make a sketch.

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RESEARCH: How did Tokelau gain global prominence?

A keyword: energy supply. Hint: Walk past the left side of the church...

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POINT OF REST: Dive into the deep sea

Do you need a short break? Let the atmosphere of the deep sea do its magic and take a rest here. Which fish do you like most? And where is Dory?

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DOCUMENTATION

A typical noise

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What I saw

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REFLECTION

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Name

Date

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STATION 07: GAMBELL, ALASKA

COORDINATES:

Gambell is located on St. Lawrence Island, a small island in Alaska. In the snow-covered tundra landscape, the Yupik - indigenous people - live in harmony with nature. The Yupik secure their livelihoods through whale hunt, which is closely linked to their culture and traditions. On your journey, you will see how even this remote place is changing rapidly...

PEOPLE AND THEIR DAILY LIVES

You meet Steven and Taylor. What do you learn about their daily lives? Is there something that you consider particularly interesting or that intrigues you? Describe your impressions:



CLIMATE CHANGE

Climate change affects the icy landscape of Alaska. Describe at least one impact:





ASSIGNMENTS TO CHOOSE FROM:

TRY OUT YOURSELF: Jumping on the trampoline

Find the trampoline in the exhibition. Try it out if you like. Can you find the video in which Steven and Taylor jump on the trampoline? What is so special about their trampoline and why does it exist in their culture?

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EXPLORATION: Endangered species

Can you find endangered species here? Name some of them:

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RESEARCH: Whale hunt as a source of life

Why is whale hunt so important to the people in Gambell? Note your findings here:

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DOCUMENTATION

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What I saw

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REFLECTION

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STATION 08: HALLIG LANGENEß, GERMANY

COORDINATES:

The Hallig Langeneß is located in the middle of the Wadden Sea off the North Sea coast of Schleswig-Holstein. The inhabitants live with the tides. At high tide, the area on which they live becomes smaller and they need to move closer together. At low tide, the surface over water becomes larger again. What is it like to live on such limited space in the middle of the North Sea? What does climate change mean for these people? You can find answers to your questions here.

VISIT THE HALLIG

Langeneß is not an island, but a Hallig. But what is the difference?
Give an explanation here.



CLIMATE CHANGE

Hallig islands like Langeneß are particularly threatened by climate change.
Write down at least one relevant impact.





ASSIGNMENTS TO CHOOSE FROM:

TRY YOURSELF: Storm surge on the Hallig

Find the Hallig and rest on it. Before the storm surge arrives, it is quite peaceful. Can you see the numbers on the wall? From 1 to 6 the water rises, resulting in a storm surge - after that, the water level decreases again. Maybe you can experience a storm surge here?

DISCOVER: High tide

Can you find the area in which the most extreme high tide levels of the last centuries are displayed? How many meters above normal water level was the highest high tide?

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DOCUMENTATION

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REFLECTION

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HALF-TIME AT THE STARRY SKY

After you left the white vastness of Antarctica, you will find yourself in the starry sky.

Here, you can take some time to calm down.

If you like, you can sit on one of the sofas and reflect on what you have experienced so far ... or just look up into the sky. You can also take a couple of pictures or post a story for Instagram or TikTok here.

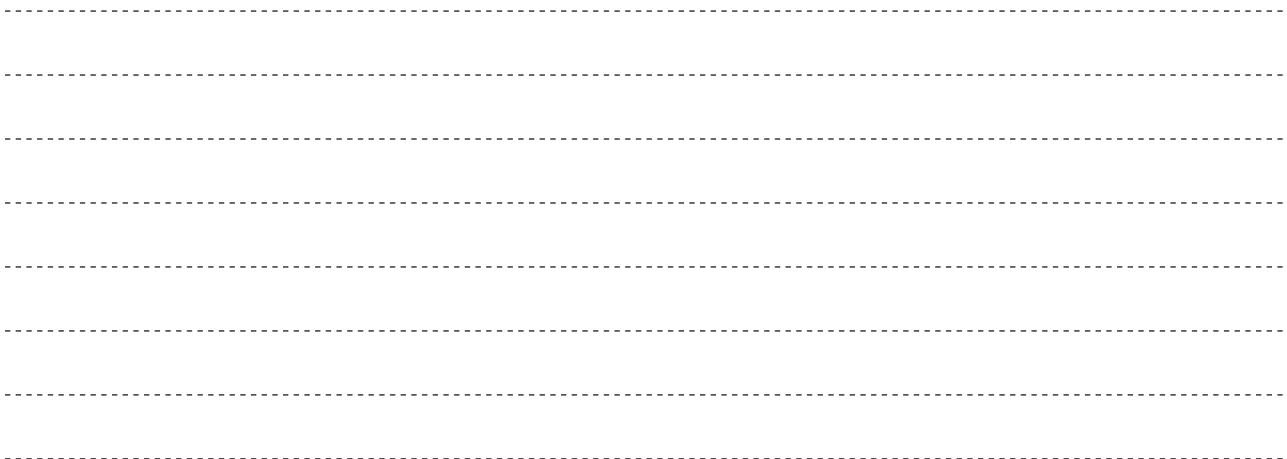
Do whatever feels right and take this moment just for yourself.



SPACE FOR THOUGHTS, IDEAS AND IMPRESSIONS

A large, hand-drawn rectangular box with a light blue, wavy, zig-zag border. In the top right corner, there is a small icon of a pen writing a blue squiggle. In the bottom right corner, there is another small icon of a pen writing a blue squiggle.Four horizontal dashed lines, intended for writing thoughts, ideas, and impressions.

SPACE FOR THOUGHTS, IDEAS AND IMPRESSIONS



MORE SPACE FOR THOUGHTS, IDEAS AND IMPRESSIONS

