



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

Go to the entrance of the exhibition area Journey (Reise). From there you will follow the blue globe directly to Switzerland. Answer the following questions.

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

.....

.....

.....

.....

.....

.....

.....

How do you think humans influenced this change?

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven). Find the large sphere with Switzerland's future scenario and answer the following question.

Which impacts could climate change have on this region in the future?

.....

.....

.....

.....

.....

.....

**Find the coal shovel (Kohleschaufel) which is one level down.
Drive the steam engine with the coal shovel.**

Explain how coal and petroleum were formed. Since when have men burnt fossil fuels?
What is released by their combustion and what are the consequences?

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

Stay on this level and look at the researcher's desks.
Choose one of the research tables and answer the following questions.

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Switzerland and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

**Go to the entrance of the exhibition area Journey (Reise).
From there you will follow the blue globe directly to Sardinia. Answer the following questions.**

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

How do you think humans influenced this change?

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven).
Find the large sphere with Sardinia's future scenario and answer the following question.

Which impacts could climate change have on this country in the future?

.....

.....

.....

.....

.....

.....

Find wall with the Tipping Elements (Kippelemente) which is on this level.

What is meant with the term „tipping element“?
Choose one example and describe possible outcomes of „tipping“.

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

**Go down one level and look at the researcher's desks.
Choose one of the research tables and answer the following questions.**

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Sardinia and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

**Go to the entrance of the exhibition area Journey (Reise).
From there you will follow the blue globe directly to Niger. Answer the following questions.**

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

.....

.....

.....

.....

.....

.....

.....

How do you think humans influenced this change?

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven). Find the large sphere with Niger's future scenario and answer the following question.

Which impacts could climate change have on this region in the future?

.....

.....

.....

.....

.....

.....

Go down one level and look at the research tables. Choose one of the researcher's desks and answer these questions.

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

Go down one level and look for the film Earth - a unique stroke of luck.

Watch the movie and the room carefully. Which conditions and coincidences were needed to make life on earth possible? What about the other planets in our solar system?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Niger and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

Go to the entrance of the exhibition area Journey (Reise). From there you will follow the blue globe directly to Cameroon. Answer the following questions.

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

How do you think humans influenced this change?

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven).
Find the large sphere with Cameroon's future scenario and answer the following question.

Which impacts could climate change have on this region in the future?

.....

.....

.....

.....

.....

.....

Find the wall with the Tipping Elements (Kippelemente) which are on this level.

What is meant with the term „tipping element“?
Choose one example and describe possible outcomes of „tipping“.

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

**Go down one level and look at the researcher's desks.
Choose one of the research tables and answer the following questions.**

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Cameroon and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

Go to the entrance of the exhibition area Journey (Reise). From there you will follow the blue globe directly to Antarctica. Answer the following questions.

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

How do you think humans influenced this change?

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven).
Find the large sphere with Antarctica's future scenario and answer the following question.

Which impacts could climate change have on this country in the future?

.....

.....

.....

.....

.....

.....

Find the computer terminal about current climate research which is one level higher.

Carry out some research about the topics climate change, sustainability and education
as well as measures against climate change. Choose one topic and describe one research project.
What is fascinating about it?

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

Go down two levels and look at the researcher's desks.
Choose one of the research tables and answer these questions.

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Antarctica and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

**Go to the entrance of the exhibition area Journey (Reise).
From there you will follow the blue globe directly to Samoa. Answer the following questions.**

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

How do you think humans influenced this change?

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven). Find the large sphere with Samoa's future scenario and answer the following question.

Which impacts could climate change have on this region in the future?

.....

.....

.....

.....

.....

.....

Find the CO₂-slide (CO₂-Rutsche) which is one level down.

Discover what the even incline of the slide surface depicts and what is shown by the uneven incline of the red ladder. How are these two factors linked?

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

**Stay on this level and look at the researcher's desks.
Choose one of the research tables and answer these questions.**

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Samoa and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

**Go to the entrance of the exhibition area Journey (Reise).
From there you will follow the blue globe directly to Alaska. Answer the following questions.**

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

Which impacts of climate change are already noticeable in this region?

.....

.....

.....

.....

.....

.....

.....

How do you think humans influenced this change?

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven). Find the large sphere with Alaska's future scenario and answer the following question.

Which impacts could climate change have on this region in the future?

.....

.....

.....

.....

.....

.....

Find the computer terminal about the sea ice development in the Arctic Ocean which is one level higher.

Observe how the sea ice coverage changed between 2002 and 2017.
Do you have ideas how the development in the next 15 years could look like? Explain your assumption.

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

**Go down two levels and look at the researcher's desks.
Choose one of the research tables and answer the following questions.**

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

.....

.....

.....

.....

Your climate expedition ends after your journey to Alaska and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.



"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 1

Name: Meeting Point:

Your climate expedition takes you on a journey to a country along the 8th longitude. You will find out a lot about climate and climate change and discover their influence on how the people live there. Afterwards, you will have the chance to look into current climate research. Have fun!

Go to the entrance of the exhibition area Journey (Reise). From there you will follow the blue globe directly to Langeneß. Answer the following questions.

Describe the landscape of your destination. Which animals and plants live in this region?
What do you find out about the living conditions of the people who live here?

.....

.....

.....

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 2

Which impacts of climate change are already noticeable in this region?

How do you think humans influenced this change?

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 3

**Afterwards finish the journey. Now go directly to the exhibition area Perspectives (Perspektiven).
Find the large sphere with Langeneß future scenario and answer the following question.**

Which impacts could climate change have on this island in the future?

.....

.....

.....

.....

.....

.....

**Go down one level and look at the researcher's desks.
Choose one of the researcher's desks and answer these questions.**

What resources are used for research?
What can researcher find out about the climate of the past with this method?

.....

.....

.....

.....

.....

"JOURNEY/PERSPECTIVES" – EXPLORATION WORKSHEET

GRADES 11-13

PAGE 4

Go down one level and look for the film Earth - a unique stroke of luck.

Watch the movie and the room carefully. Which conditions and coincidences were needed to make life on earth possible? What about the other planets in our solar system?

Your climate expedition ends after your journey to Langeneß and some insight into its future climate. If you got curious and have some spare time, have a look around the rest of the Klimahaus. The Klimahaus team wishes you lots of fun.