



# Winter School in Bremen

4. Dec - 5. Dec (6. Dec) 2024

4/5. Dec

Foundations of climate change  
Remote sensing via satellites  
Using climate models

With Hands-on  
experiments!

6. Dec

Optional visit of the  
Klimahaus  
in Bremerhaven



Foto: Voigts / Klimahaus Bremerhaven

Christmas market



German dinner

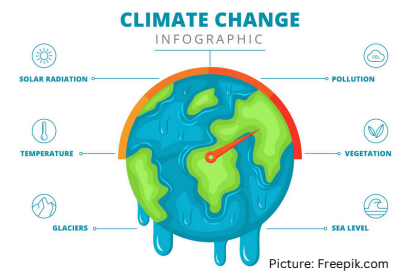


# Understanding Climate Shaping the Future

We hereby invite you to our winter school at the University of Bremen as part of the international project Climademy (Climate Change Teachers Academy). In addition to the foundations, we will cover the various tools used in climate research over the 2 days.

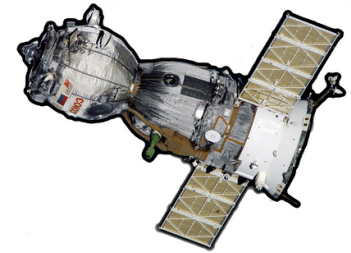
## Understanding the Atmosphere: From Air Pollution to Climate Change and Its Consequences

- How is the atmosphere structured and what is its composition?
- What is meant by the greenhouse effect and what are the consequences?
- What are the sources and sinks of greenhouse gases?



## From Pixels to Patterns: Observing Climate Change with Satellite Data

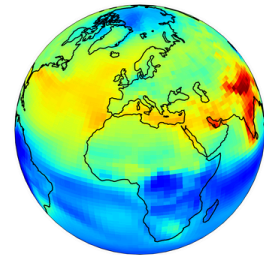
- Why do we use satellites?
- How is data on greenhouse gases collected?
- What and how do satellites observe on our Earth's surface?



Hands-on experiments!

## When Numbers Speak: Practical Insights into Climate Models

- What is meant by the term 'model' and what different models are there?
- How do the various modeled processes influence the result?
- How significant is the human impact on climate change?



Hands-on experiments!

## What/Where/When

The detailed program will be published at a later stage.

### Address

University Bremen, MARUM  
Leobener Str. 8  
28359 Bremen  
Germany

### Dates

04.12.24 - 05.12.24 workshops  
06.12.24 optional excursion  
to the [Klimahaus](#)

More infos and  
**registration**  
(starting 01.08)



SCAN ME

**Registration** from 01.08.24 to 01.10.24

via website: <https://aether.uni-bremen.de/climademy>