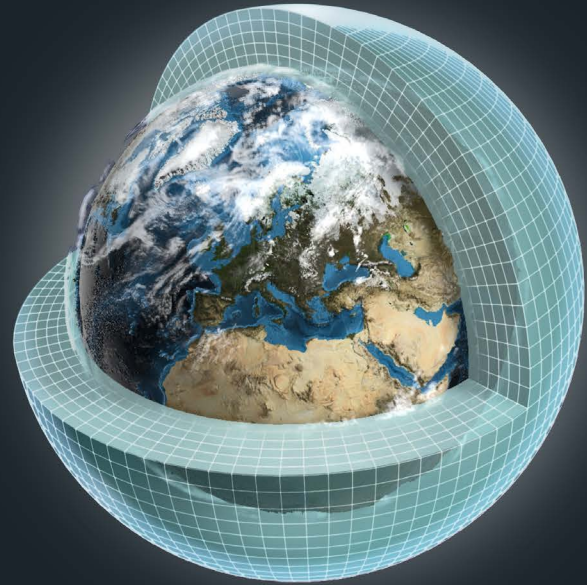


UNDERSTANDING TOMORROW'S CLIMATE: WHAT SCIENCE CAN TELL US

26 NOVEMBER 2019, BRUSSELS



Dear Ladies and Gentlemen,

We become increasingly aware of the huge influence our climate has on our lives. Science is working intensively on decoding the mechanisms of climate change and its consequences. The aim is to gain a better understanding of the causes and to improve forecasts and models that allow us to predict future climate development. With our event, we want to focus on climate research – and the stories behind. Who works together on these models and how are such projects set up? What efforts does it take to analyze e.g. the arctic ice and our atmosphere? Why do we have to go to faraway places to better understand the climate conditions in Europe? Why is international cooperation so vital in this area? Our leading scientists will share their experiences and knowledge with you. Given the recent discussions on climate change, we are sure you have many additional questions in mind. We will literally make room for that and you are welcome to ask our experts yourself!

We cordially invite you to participate in the Helmholtz autumn event on:

Understanding tomorrow's climate: What science can tell us
on 26 November 2019, 6:00 pm
at the Representation of the State of North Rhine-Westphalia to the EU,
Rue Montoyer 47, 1000 Brussels

I look forward to meeting you and exchanging views with you on these critical issues.

Kind regards,

Otmar D. Wiestler
Otmar D. Wiestler
President of the Helmholtz Association

PROGRAM

18:00 GET TOGETHER

18:30 WELCOME ADDRESSES AND INTRODUCTION

- Representative of the European Commission (invited)
- Prof Otmar D. Wiestler,
President of the Helmholtz Association

“An entire year trapped in the Arctic ice” – the **MOSAiC** expedition

- Prof Antje Boetius,
Director of the Alfred Wegener Institute,
Helmholtz Centre for Polar and Marine Research

MOSAiC (Multidisciplinary drifting Observatory for the Study of Arctic Climate) is the largest polar expedition in history. The focus lies on direct observations of the climate processes, also during the winter season, and it aims at a breakthrough in understanding the Arctic climate system.

“A smart way of gaining essential data on climate change and air quality” – the **IAGOS** projects

- Prof Astrid Kiendler-Scharr,
Director of the Institute for Energy and Climate Research
“Troposphere”, Forschungszentrum Jülich

IAGOS (In-service Aircraft for a Global Observing System) is a European Research Infrastructure. It combines the expertise of scientific institutions with the infrastructure of civil aviation in order to provide data on climate change and air quality at a global scale.

SCIENCE TALK

- Prof Antje Boetius,
- Prof Astrid Kiendler-Scharr and
- Prof Daniela Jacob,
Director of the Climate Service Center Germany
(GERICS) and Member of the Mission Board “Adaptation
to Climate Change, including Societal Transformation”

19:45 **ASK THE EXPERT!** and parallel start of the **RECEPTION**

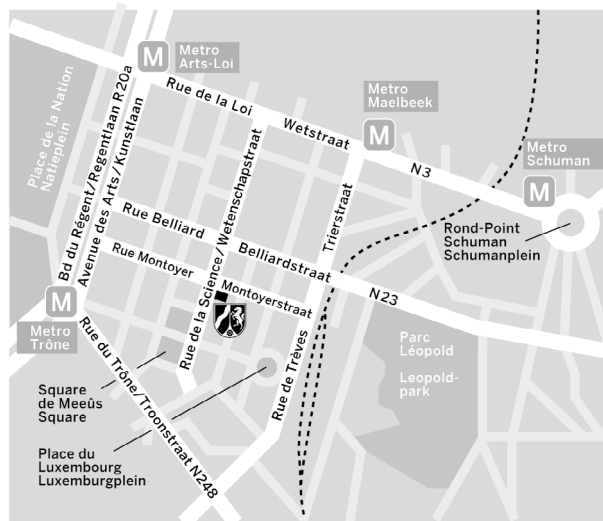
Moderator: Kristine August, Helmholtz Association

PLEASE REGISTER BEFORE 21 NOVEMBER 2019

Please register via mail: events.bxl@helmholtz.de

For questions, please contact the Helmholtz Office Brussels:
Phone **+32 2 5000 971**

LOCATION



Representation of the State of
North Rhine-Westphalia to the EU
Rue Montoyer 47 ■ 1000 Brussels

HELMHOLTZ CENTERS

- Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
- Deutsches Elektronen-Synchrotron DESY
- Forschungszentrum Jülich
- GEOMAR Helmholtz Centre for Ocean Research Kiel
- German Aerospace Center (DLR)
- German Cancer Research Center
- German Center for Neurodegenerative Diseases (DZNE)
- GSI Helmholtz Centre for Heavy Ion Research
- Helmholtz Centre for Environmental Research – UFZ
- Helmholtz Centre for Infection Research
- Helmholtz Center for Information Security – CISPA
- Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences
- Helmholtz-Zentrum Berlin für Materialien und Energie
- Helmholtz-Zentrum Dresden-Rossendorf
- Helmholtz-Zentrum Geesthacht, Centre for Materials and Coastal Research
- Helmholtz Zentrum München –
German Research Center for Environmental Health
- Karlsruhe Institute of Technology
- Max Delbrück Center for Molecular Medicine in the Helmholtz Association
- Max Planck Institute for Plasma Physics (Associate Member)