Leopoldina
Nationale Akademie
der Wissenschaften

Invitation and Programme

Biodiversity and the Future of Diversity

Leopoldina Annual Conference 2021

Friday, 24 – Saturday, 25 September 2021 | Halle (Saale)

Cover:
Figures GmbH, Berlin
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A digital dossier on the decline of biodiversity in the agricultural landscape can be found at:
http://interaktiv.leopoldina.org/artenvielfalt/

Friday, 24 September 2021

9:00 am – 12:30 pm | Opening Ceremony*

Welcoming Speech
Regina Riphahn
Vice-President of the Academy

Presentation of the Awards
- Cothenius-Medal
- Carus-Medal
- Schleiden-Medal
- Mendel-Medal
- Leopoldina Prize for Junior Scientists
- Georg-Uschmann-Award for the History of Science

Opening Speech
Gerald Haug
President of the Academy

Welcoming Addresses (by video)
Anja Karliczek
Federal Minister of Education and Research

Reiner Haseloff
Minister President of Saxony-Anhalt

Awarding the Order of Merit of the State of Saxony-Anhalt to Prof. Dr. Jörg Hacker
Reiner Haseloff
Minister President of Saxony-Anhalt

10:45 – 11:30 am | Break

Presentation of the Early Career Award 2020
Lecture by the Early Career Awardee

12:30 – 1:30 pm | Lunch

*** The Opening Ceremony given in German will be translated simultaneously.**

Scientific Session I | Biodiversity: Monitoring and Data Collection

Moderation:
Ulf-Ingo Flügge ML

1:30 – 2:15 pm
Biodiversity and People in the Anthropocene*
Katrin Böhning-Gaese ML, Frankfurt/M.

2:15 – 3:00 pm
Reframing Biodiversity from the Data Up: Challenges from Plant Data Semantics
Sabina Leonelli, Exeter/UK

3:00 – 3:45 pm
Local Seeds and Global Needs: Ethnobotany, Agroecology, and the History of in situ Conservation of Crop Diversity
Helen Curry, Cambridge/UK

3:45 – 4:15 pm | Break

Scientific Session II | Renaturation

Moderation:
Miguel Vences ML

4:15 – 5:00 pm
Rewilding the Earth, Rewilding our Lives
Harry W. Greene, Ithaca/USA

5:00 – 5:45 pm
Back where? Renaturation in Mecklenburg-Western Pomerania*
Martin Wilmking, Greifswald

6:15 – 7:30 pm | Members' General Assembly (by separate invitation)

8:15 pm | Evening Lecture

Introduction:
Gerald Haug, President of the Academy

Biodiversity – Impact and Change*
Christian Wirth, Leipzig

*** The scientific presentations given in German will be translated simultaneously.**

ML – Member of Leopoldina

Saturday, 25 September 2021

Scientific Session III | Biodiversity – The Perspective of the Humanities

Moderation:
Thomas Lengauer ML

9:00 – 9:45 am
Collecting, Organizing, and Explaining Diversity: On the History of Biodiversity Research *avant la lettre**
Kärin Nickelsen ML, Munich

9:45 – 10:30 am
Biodiversity and Complexity under Global Change*
Ulrich Brose, Leipzig

10:30 – 11:15 am
Languages Threatened with Extinction*
Manfred Krifka, Berlin

11:15 – 11:45 am | Break

Scientific Session IV | Biodiversity and Plant Protection

Moderation:
Ulla Bonas ML

11:45 am – 12:30 pm
Making Sense of Diversity: Functions of the Plant Microbiota for Plant Growth and Health*
Paul Schulze-Lefert ML, Cologne

12:30 – 1:15 pm
The Influence of Crop Protection on Biodiversity*
Urs Niggli, Frick/Switzerland

1:15 – 2:15 pm | Lunch

Scientific Session V | Food and Health

Moderation:
Thomas Krieg ML

2:15 – 3:00 pm
World Food System and Biodiversity Conservation*
Joachim von Braun ML, Bonn

3:00 – 3:45 pm **The Microbiome and its Importance for Human Health***
Michael Wagner ML, Vienna/Austria

3:45 – 4:30 pm **Land Use and Species Communities in Ecosystems – on the Need for Large-Scale Field Research***
Wolfgang Weisser, Freising

4:30 – 5:00 pm | Break

Scientific Session VI | Diversity as a Societal Goal

Moderation:
Susanne Renner ML

5:00 – 5:45 pm **The Dark Side of Biodiversity – Reciprocal Effects Between Humans and Soil Biodiversity***
Nico Eisenhauer, Leipzig

5:45 – 6:30 pm **Giving the Future a Chance: Psychological Processes that Guide Attention Beyond the Here and Now**
Elke Weber ML, Princeton/USA

6:30 pm | Closing Remarks

Robert Schlögl ML

*** The scientific presentations given in German will be translated simultaneously.**

Registration

The event is aimed at all interested persons and this year designed as a hybrid event, i.e. in addition to on-site participation (limited number of participants) we offer the possibility of virtual participation. Participation is free of charge. We kindly ask you to register in advance by 5 September 2021 via www.leopoldina.org/jv-2021.
After registration you will receive the link to the event.

You can also watch the Annual General Meeting via Leopoldina's YouTube channel.

Precautions will be taken at the venue to ensure the necessary hygiene and distance regulations. Participants should have full Corona vaccination or valid proof of recovery. Alternatively, a negative PCR test result will be accepted.

We would like to thank the Wilhelm and Else Heraeus-Stiftung for their generous support for a programme which enables the virtual participation of secondary school pupils in the Leopoldina Annual Conference.

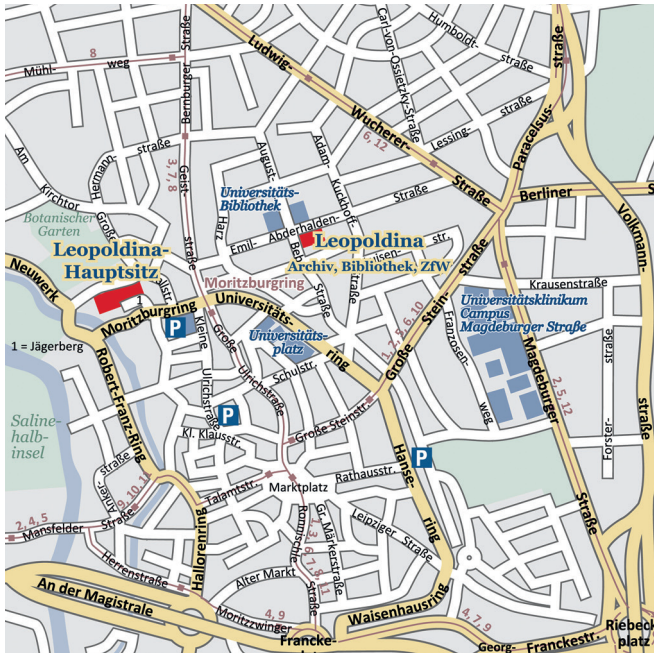
WILHELM UND ELSE HERAEUS-STIFTUNG

We would like to express our special thanks to the Leopoldina Akademie Freundkreis e.V. for the generous support financing the Leopoldina Prize for Junior Scientists.

LEOPOLDINA AKADEMIE FREUNDESKREIS

Venue

The German National Academy of Sciences Leopoldina
Jägerberg 1
06108 Halle (Saale)



The German National Academy of Sciences Leopoldina

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The Leopoldina originated in 1652 as a classical scholarly society and now has 1,600 members from almost all branches of science. In 2008, the Leopoldina was appointed as the German National Academy of Sciences and, in this capacity, was invested with two major objectives: representing the German scientific community internationally, and providing policymakers and the public with science-based advice.

The Leopoldina champions the freedom and appreciation of science on both the national and the international level. It is her role to identify and analyse scientific issues of social importance. The Leopoldina presents its policy recommendations in a scientifically qualified, independent, transparent and prospective manner, ever mindful of the standards and consequences of science.

www.leopoldina.org