

Friday, June 21

Lecture Hall

9:00 – 10:30

Humboldt and Earth System Sciences

Stefan Brönnimann, *Universität Bern*

Humboldt and Alfred Russel Wallace: Their Influence on Historical Biogeography

Carina Hoorn, *Universiteit van Amsterdam*

Humboldt's Conservation Legacy: Biodiversity and Ecosystem Services on a Changing Planet

Stephen T. Jackson, *USGS and University of Arizona*

11:00 – 12:00

Humboldt's Essays: Popularizing Science

Oliver Lubrich, *Universität Bern*

Then and Now – Changes in Altitudes of Vegetation Zones

Naia Morueta-Holme, *Kobenhavns Universitet*

12:00

Departure for a guided tour to von Humboldt's mineral collection at the Naturkundemuseum Berlin
(invited guests)

How to find us



Venue

Deutsche Akademie der Naturforscher Leopoldina e.V.
– Nationale Akademie der Wissenschaften –
Jägerberg 1
06108 Halle (Saale)

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Manfred Strecker ML, *Universität Potsdam*
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Volker Mosbrugger ML, *Senckenberg Naturforschende Gesellschaft Frankfurt a.M.*

Please register at

<https://www.leopoldina.org/humboldt-anthropocene>
Students: 15 € (student ID card required)
Senior Professionals: 25 €

From von Humboldt into the Anthropocene

International Symposium organized by the German National Academy of Sciences Leopoldina and GeoUnion Alfred-Wegener-Stiftung

June 20 – 21, 2019

Nationale Akademie der Wissenschaften Leopoldina
Jägerberg 1
06108 Halle (Saale)

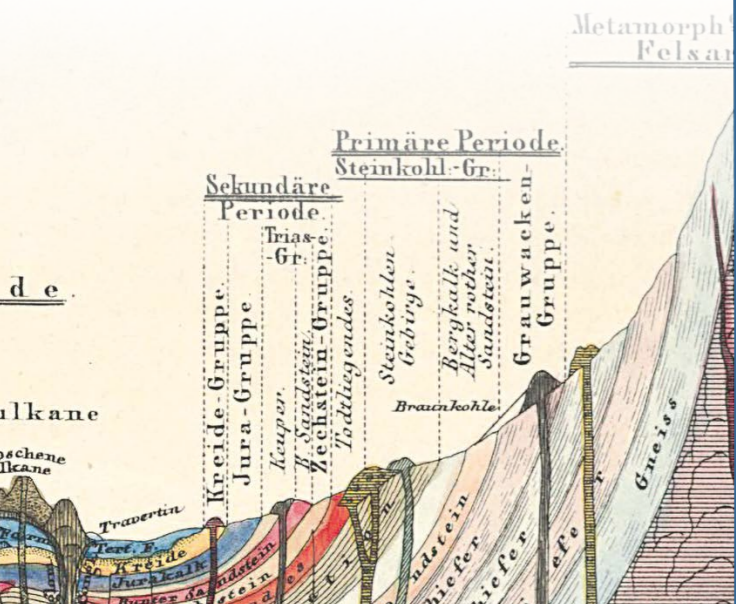
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From von Humboldt into the Anthropocene

On the occasion of Alexander von Humboldt's 250th birthday this symposium will assess, evaluate, and highlight his contributions to the field of Earth System Science and beyond, including life-long learning and the dissemination of scientific results.

Alexander von Humboldt's seminal contributions addressed numerous topics in the Earth sciences – spanning from geobotany, climatology, paleontology, oceanography, stratigraphy, mineralogy, resources, and hydrogeology to links between the environmental impact of humans, erosion and climate change. Early on he thus paved the way for a modern, integrated Earth System Science approach to decipher, characterize and model the different forcing factors and their feedback mechanisms that govern the Earth's systems.

The future of Earth System Science

Today, the highly interdisciplinary field of Earth System Science stands at the vanguard of our attempt to understand and cope with those changes in our natural environment that continue to challenge us. In this way, Earth System Science will be essential to fostering awareness and facilitating discussion of key environmental and social issues in the 21st century.

Program

Please see www.uni-potsdam.de/earth/humboldt for further information and titles of the oral presentations

Wednesday, June 19

Festivity Hall

19:00 – 20:30 | Public Lecture

Alexander von Humboldt. Die Erfindung der Natur (in German)
Andrea Wulf, London

Thursday, June 20

Seminar Room 3

Concurrent Session

Teachers Workshop on the Concepts of Nature
organized by Christof Ellger, *GeoUnion* and Simon Schneider, *GeoEd and Universität Potsdam*

9:00 – 12:00

Introduction and Discussion of Concepts of Nature

13:00 – 15:00

Educational Concepts and Best Practice

Thursday, June 20

Lecture Hall

9:00 – 10:00 | Welcome and Keynote

Gunnar Berg, *Vice-President Leopoldina*
Manfred Strecker, *Universität Potsdam*

The Invention of Nature

Andrea Wulf, London

10:30 – 12:00

Plate Tectonics

Celâl Şengör ML, *Istanbul Technical University*

Oceanography

Antje Boetius ML, *Alfred Wegener Institut, Bremerhaven*

Humboldt and Climate Change

Gerald Haug ML, *MPI Chemie, Mainz*

13:30 – 15:00

Unity in Multiplicity – Humboldt's Geography of Plants

Ulrich Päßler, *Berlin-Brandenburgische Akademie der Wissenschaften*

Humboldt, Darwin, and the Art of Science Communication

Johannes Vogel, *Museum für Naturkunde Berlin*

History of Science

Ursula Klein ML, and Giulia Rispoli,
MPI Wissenschaftsgeschichte, Berlin

15:30 – 17:00

Humboldt's Understanding of the Andean Geology

Victor Ramos, *Universidad de Buenos Aires*

The Physics of the Earth

Volker Mosbrugger ML, *Senckenberg Naturforschende Gesellschaft*

Challenges in Mining – Humboldt's Influence on today's Mining Routines

Helmut Albrecht, *Technische Universität Bergakademie Freiberg*

Followed by Reception | Common Hall



Illustration: Provided by Peter H. Raven, Library/Missouri Botanical Garden