

Wednesday, 13 June 2018 | 9:30 am – 6:00 pm

Brain Power for Sustainable Development

The Cognitive Preconditions for a Successful Sustainability Transition

Leopoldina Symposium

The adoption of the 2030 Agenda was a landmark achievement for the United Nations, providing for a shared global vision on sustainable development. The scale and ambition of the 2030 Agenda and the Sustainable Development Goals are unprecedented and require new and innovative approaches.

A better understanding of the cognitive dimensions of human agents in their individual and collective behavior could be the key to implementing the different goals and targets of the 2030 Agenda in a coordinated manner. The Symposium addresses the question of how to strengthen “brain power” for sustainable development and aims at identifying the cognitive preconditions for a successful sustainability transition.

The Symposium will bring together members of the Independent Group of Scientists, charged by the United Nations Secretary-General with producing the 2019 Global Sustainable Development Report, and leading scientists to discuss the contribution of cutting edge science to sustainable development.

All sessions will be conducted in English with simultaneous interpretation into German.

Founded in 1652, the Leopoldina brings together some 1,500 outstanding scientists from about 30 countries. It is dedicated to the advancement of science for the benefit of humankind and to shaping a better future. In its role as the German National Academy of Sciences, the Leopoldina represents the German scientific community in international committees. It offers unbiased scientific opinions on political and societal questions, publishing independent studies of national and international significance. The Leopoldina promotes scientific and public debate, supports young scientists, confers awards for scientific achievements, conducts research projects, and campaigns for the human rights of persecuted scientists.



Leopoldina
Nationale Akademie
der Wissenschaften

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Conference Center at the Federal Press Conference
Schiffbauerdamm 40, 10117 Berlin

Contact

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Further Information and Registration

www.leopoldina.org/en/brainpower



www.leopoldina.org

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Program

09:30 – 10:30 | Opening Session

Welcome

Prof. Dr. Jörg Hacker ML
President of the Leopoldina

Opening Remarks

Dr. Christophe Eick
Coordinator for Sustainable Development and Director for Human Rights, International Development and Social Affairs, German Federal Foreign Office

The Global Sustainable Development Report 2019 and the Independent Group of Scientists

Prof. Dr. Peter Messerli
Professor of Sustainable Development at the University of Bern and Co-Chair of the IGS

Brain Power: An Introduction

Prof. Dr. Wolfgang Lutz ML
Director of the Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU) and Member of the IGS

10:30 – 10:45 | Coffee and Tea Break

10:45 – 12:15 | Session I: Learning, Cognitive Processes and Behavior

Chair: Prof. Dr. Wolfgang Lutz ML
Director of the Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU) and Member of the IGS

Development of Brain Structures and Functions: Predispositions, Plasticities, Environmental Challenges, and Critical Periods

Prof. Dr. Frank Rösler ML
Senior Professor for Biological Psychology and Neuropsychology at the University of Hamburg and Member of the Leopoldina Presidium

Cognitive Development and Behavior: Explaining and Supporting the Development of Planning, Rationality and Self-Control

Prof. Dr. Sabina Pauen
Professor for Developmental Psychology and Biological Psychology at the University of Heidelberg

Nudging and Boosting: Two Ways to Harness the Powers of a Boundedly Rational Brain

Prof. Dr. Ralph Hertwig ML
Director at the Max Planck Institute for Human Development, Berlin

Discussion

12:15 – 13:30 | Lunch Break

13:30 – 14:45 | Session II: Brain Power and Its Effects on Health, Poverty and Economic Growth

Chair: Prof. Dr. Regina T. Riphahn ML
Professor of Empirical Economics at FAU – University Erlangen-Nuremberg and Vice President of the Leopoldina

Education, World Health and Brain Power

Prof. Dr. David P. Baker
Professor of Education and Sociology at the Pennsylvania State University

Global Education Expansion and Poverty Reduction

Prof. Dr. Jesus Crespo Cuaresma
Professor of Economics at the Vienna University of Economics and Business

Cognition, Character and Prosperity: The Behavioral and Experimental Economics Perspective

Prof. Dr. Jean-Robert Tyran
Director of the Vienna Centre for Experimental Economics and Vice-Rector for Research and International Affairs of the University of Vienna

Discussion

14:45 – 15:00 | Coffee and Tea Break

15:00 – 16:15 | Session III: Brain Power and Environment

Chair: Prof. Dr. Frank Rösler ML
Senior Professor for Biological Psychology and Neuropsychology at the University of Hamburg and Member of the Leopoldina Presidium

How the Education Goal Relates to the Other Sustainable Development Goals

Dr. Bilal Barakat
Global Education Monitoring Report (GEMR) – UNESCO

How Education Contributes to Reducing Vulnerability and Enhancing Adaptive Capacity in the Context of Climate Change

Dr. Raya Muttarak
Associate Professor in Geography and International Development at the School of International Development, University of East Anglia

Environmental Competence – Knowledge and Motivation: The Correlates of Ecological Behavior and Their Development

Dr. Siegmund Otto
Visiting Professor in Business and Organizational Psychology at the University of Hohenheim

Discussion

16:15 – 16:30 | Coffee and Tea Break

16:30 – 18:00 | Science-Policy Session

16:30 – 16:35 | Welcome and Introductory Remarks

Prof. Dr. Jörg Hacker ML
President of the Leopoldina

16:35 – 16:50 | Keynote Address

Dr. Georg Schütte
State Secretary at the Federal Ministry of Research and Education (BMBF)

16:50 – 17:50 | Panel Discussion: Brain Power – A New Approach to Sustainable Development

Chair: Dr. Reiner Klingholz
Director of the Berlin Institute for Population and Development

Prof. Dr. Eeva Furman
Director of the Environmental Policy Centre at the Finnish Environment Institute SYKE and Member of the IGS

Prof. Dr. Wolfgang Lutz ML
Director of the Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU) and Member of the IGS

Prof. Dr. Frank Rösler ML
Senior Professor for Biological Psychology and Neuropsychology at the University of Hamburg and Member of the Leopoldina Presidium

Dr. David C. Smith
Coordinator of the Institute for Sustainable Development at the University of the West Indies in Kingston and Member of the IGS

Prof. Dr. Eun Mee Kim
Dean of the Graduate School and Professor in the Graduate School of International Studies at Ewha Womans University in Seoul and Member of the IGS

17:50 – 18:00 | Summary and Farewell

Prof. Dr. Jörg Hacker ML
President of the Leopoldina