

**HERRENHAUSEN CONFERENCE, JUNE 21-23, 2023**

## CLIMATE RELATED SYSTEMIC RISKS LESSONS LEARNED FROM COVID-19

**HERRENHAUSEN PALACE, HANOVER, GERMANY**

Within a short period of time, the COVID-19 (Coronavirus SARS-CoV-2) pandemic has fundamentally changed our lives worldwide with massive impacts on all fundamental systems: from health and well-being to economic, financial and political systems, food production and supply chains, to education, work and social life. It demonstrates the systemic nature of risk in a highly interconnected world challenging governance mechanisms while societies are learning and developing different approaches of dealing with these systemic risks.

Climate change related systemic risks have the potential to be an even greater threat than those of the COVID-19 pandemic. Both crises need a global approach, both threaten reaching the Sustainable Development Goals (SDGs) and postponement makes the situation worse. In either case the poor are disproportionately affected. As with COVID-19 communication, fake news and social media play an important role, and science, technology and governance are crucial for societal resilience in face of climate change systemic risks.

We want to debate, if the systemic risk awareness gained by COVID-19 is transferable to systemic climate risks – and vice versa? What are the lessons learned in both directions and what conclusions can be drawn?

## PROGRAM

WEDNESDAY, JUNE 21, 2023

09.30 A.M. REGISTRATION AND WELCOME SNACKS

10.30 A.M. WELCOME & OPENING

*Climate change & pandemic as systemic risks*

MARKUS REICHSTEIN

Max-Planck-Institute for Biogeochemistry Jena Department, Germany

11.00 A.M. KEYNOTE I

*Health & economy & education*

IAN GOLDIN

University of Oxford, United Kingdom

11.30 A.M. KEYNOTE 2

*Data & evidence: systemic effects of covid-19*

NURIA OLIVER

ELLIS Alicante Foundation, Spain

12.30 P.M. ECR FLASH TALKS 1 - 8

1.00 P.M. LUNCH

2.30 P.M. ECR FLASH TALKS 9 – 16

3.00 P.M. LESSONS LEARNED FROM COVID-19 FOR SYSTEMIC RISKS TALKS

*Perception, behavior, communication & Covid-19*

CORNELIA BETSCH

University of Erfurt, Germany

*Vulnerabilities evidence and myths*

MATTHIAS GARSCHAGEN

Ludwig-Maximilians-Universität Munich, Germany

4.00 P.M. COFFEE BREAK

4.30 P.M. PANEL DISCUSSION

*What is needed for a better future preparedness?*

SPEAKERS DAY1

IAN GOLDIN, NURIA OLIVER, CORNELIA BETSCH AND MATTHIAS GARSCHAGEN

5.30 P.M. ECR FLASH TALKS 17 – 25

6.00 P.M. POSTERSESSION & FINGER FOOD

# PROGRAM

THURSDAY, JUNE 22, 2023

9.00 A.M. WRAP UP DAY 1

9.15 A.M. KEYNOTE 3

*Climate change related risks for Food System & transport*

MICHAEL PUMA  
Columbia University, USA

KEYNOTE 4

*Climate Change & Mental Health*

FIONA CHARLSON  
University of Queensland, USA

10.45 A.M. COFFEE BREAK (& POSTERS)

11.30 A.M. TALK

*Diagnosis of specific systemic climate change risks*

*Disaster and Climate change economics*

YASUYUKI SAWADA  
University of Tokyo, Japan

*Climate Change Disaster resilience*

AROMAR REVI  
Indian Institute for Human Settlements, Bengaluru, India

12.30 P.M. SPEED DATING & SCIENCE WALKS

1.00 P.M. LUNCH

2.30 P.M. TALK

*Systemic climate change risks – what needs to be done*

*Risk aware decisionsupport*

TATJANA FILATOVA  
Delft University of Technology, The Netherlands

*Early Warning & Forecasting of systemic risks*

CARINA FEARNLEY  
University College London, United Kingdom

*Anticipatory Financing*

ZINTA ZOMMERS  
United Nations (UNOCHA)

## PROGRAM

*Climate Change Fake News*

STEPHAN LEWANDOWSKY  
University of Bristol, United Kingdom

4.30 P.M. COFFEE BREAK

5.00 P.M. PANEL DISCUSSION

*Solutions for climate change systemic risks*  
SPEAKERS DAY 2

6.00 P.M. GROUP PHOTO

6.30 P.M. DINNER

## FRIDAY, JUNE 23, 2023

9.00 A.M. WRAPUP DAY 2

9.15 A.M. KEYNOTE 5

*Systemic risks, Critical Infrastructures & Investments*  
STEPHAN HALLEGATTE  
World Bank, USA

KEYNOTE 6

*Systemic risks, Needs by Governance & Law*  
CASS SUNSTEIN  
Harvard University, USA

10.45 A.M. COFFEE BREAK

11.15 A.M. PANEL DISCUSSION

*What do we need to be better prepared in the future?*  
6 Speaker Day 1-3

12.15 A.M. SUMMARY STATEMENTS & CLOSING

CORNELIA BETSCH  
University of Erfurt, Germany  
ILAN NOY  
Victoria University of Wellington, New Zealand  
MARKUS REICHSTEIN  
Max-Planck-Institute for Biogeochemistry Jena Department, Germany

1.00 P.M. LUNCH TO GO

2.00 P.M. END OF THE CONFERENCE

## PROGRAM

## ORGANIZERS

MARKUS REICHSTEIN

STEFANIE BURKERT

DOROTHEA FRANK

Max-Planck-Institute for Biogeochemistry Jena Department

## INSTITUTIONS

