

Climate Disasters and Food Security. 200 Years after Tambora.

1816 is called the year without summer where in many countries the entire crop has been destroyed and livestock died by thousands. One of the biggest famine resulted from a volcanic eruption in Indonesia in 1815. As a consequence, a mixture of dust and ash seeped into the ground and darkened the sky. In the following year, 1816, the ash cloud reached Europe and usual sun-drenched summer days were rare.

Today it seems that climate disasters such as severe droughts, heavy rainfall events and flooding, violent storms occur much more often. These extreme weather events destroy harvests, food stocks and transport routes and thus in particular livelihoods of those who depend on agriculture. Currently, trend projections show an increase of the average temperature of up to 4 degrees Celsius reached by the end of this century. The consequences would be devastating - especially for the world's food security since declining crop yields are expected in near future (up to 40%). Scientists from different disciplines of the University of Hohenheim and international experts will present their perspectives and possible strategies for sustainable and future-oriented strategies to adapt and prevent future climate challenges.

On the occasion of this year's World Food Day, we also celebrate the opening of the Hans-Ruthenberg-Institute (Institute of Agricultural Sciences in the Tropics) at the University of Hohenheim.

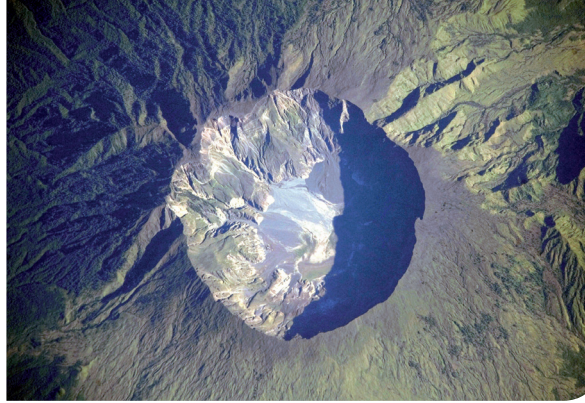
Venue

University of Hohenheim
Castle
Balcony-Hall



Directions

Public transportation:
from the main station in Stuttgart take the railway U7 or U15 (underground station) in direction "Ostfildern" or "Heumaden" until "Ruhbank (Fernsehturm)" then change to bus 70 in direction "Plieningen Seemühlenweg" until the bus stop "Universität Hohenheim". Cross the street and continue straight to the main castle building.



Contact

Dr. Nicole Schönleber & Dr. Jenny Kopsch-Xhema
Food Security Center
University of Hohenheim
D-70593 Stuttgart
Germany

Phone +49 (0)711-459-24451 / -24454
Fax +49 (0)711-459-24456

Email: fsc@uni-hohenheim.de

Please register online at:
www.foodsecurity.de

We would like to thank the following institutions for their generous support:



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World Food Day Colloquium

No Sun – No Food

Climate Disasters and Food Security. 200 years after Tambora.

Tuesday, October 18th, 2016 | 09:00 – 16:30
Balcony Hall, University of Hohenheim, Stuttgart



HANS-
RUTHENBERG-
INSTITUTE

No Sun – No Food

Climate Disasters and Food Security

08:00 - 09:00 Arrival & Registration Foyer, Castle

09:00 - 09:30 Opening Session Balcony Hall

Chair: Prof. Dr. Regina Birner

Vice-Managing Director, Institute of Agricultural Science in the Tropics (Hans-Ruthenberg-Institute)

Welcome Address

Prof. Dr. Stephan Dabbert

President, University of Hohenheim

Prof. Dr. Reiner Doluschitz

Vice-Director, Food Security Center (FSC), University of Hohenheim

Introduction

The Mount Tambora Story: How a Volcano Changed History

Dr. Andrea Fadani

CEO, Foundation fiat panis, Ulm

09:30 - 10:30 Key Session Balcony Hall

Preparing for Climate Change Extremes in Agriculture

Dr. Bruce Campbell

Director, CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), Denmark

10:30 - 11:00 Coffee Break Foyer

11:00 - 12:00 Opening Ceremony of the Hans-Ruthenberg-Institute with Hans-Ruthenberg Memorial Lecture

Introduction to the Hans-Ruthenberg-Institute

Prof. Dr. Regina Birner

Hans-Ruthenberg-Institute, University of Hohenheim

Hans-Ruthenberg – The Person and Scientist

Prof. Dr. Werner Doppler

Hans-Ruthenberg-Institute, University of Hohenheim



11:15 - 12:00 Hans-Ruthenberg Memorial Lecture

“Agricultural Intensification: The Evidence for the Boserup-Ruthenberg Framework”

Prof. Dr. Hans P. Binswanger-Mkhize

University of Pretoria, South Africa

12:00 - 13:00 Lunch Break Foyer

13:00 - 13:30 Balcony Hall

Approaches of young scientists from the University of Hohenheim and the Center for Development Research (ZEF), University of Bonn

Lucy Kariuki, Samuel Mburu, Samuel Tuffa Kawo, Cesar Canon Barriga, Hongmi Koo, Kokou Adambounou Amouzou

Chair: Dr. Andrea Fadani

CEO, Foundation fiat panis, Ulm

13:30 - 14:45 Presentations Balcony Hall

Chair: Prof. Dr. Reiner Doluschitz

Vice-Director, Food Security Center (FSC), University of Hohenheim

SEARCA's Initiatives in Addressing Climate Change Impacts to Food Security

Dr. Maria Cristeta N.Cuaresma

Program Head GIDD, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), Philippines

Exploring Changes in Climate Extremes

Dr. Paul Bowyer

Senior Science Officer, Climate Service Center Germany (GERICS), Hamburg

Linking Climate-Smart Horticulture to Better Nutrition and Health Outcomes of Rural Households for Improved Livelihoods

Dr. Catherine Kunyanga

Department of Food Science, Nutrition and Technology, University of Nairobi, Kenya

An Integrated Land System Model System to Study Soil-Vegetation-Atmosphere Feedbacks in Agricultural Landscapes under Climate Change

Dr. Kirsten Warrach-Sagi

Institute of Physics and Meteorology, University of Hohenheim

14:45 - 15:15 Coffee Break Foyer

15:15 - 16:15 Panel Balcony Hall

Discussion with experts: How Can Food Security Be Ensured under (Increasing?) Climate Threats?

Chair: Prof. Dr. Regina Birner

Vice-Managing Director, Hans-Ruthenberg-Institute, University of Hohenheim

Dr. Bruce Campbell

Director, CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), Denmark

Dr. Paul Bowyer

Senior Science Officer, Climate Service Center Germany (GERICS), Hamburg

Prof. Dr. Volker Wulfmeyer

Head of Institute of Physics and Meteorology, University of Hohenheim

Prof. Dr. Manfred Zeller

Head of Department Rural Development Theory and Policy, Hans-Ruthenberg-Institute, University of Hohenheim

Dr. Maria Cristeta N.Cuaresma

Program Head GIDD, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), Philippines

16:15 - 16:30 Closing Balcony Hall

Prof. Dr. Reiner Doluschitz

Vice-Director, Food Security Center (FSC), University of Hohenheim