



UNIVERSITY OF  
HOHENHEIM

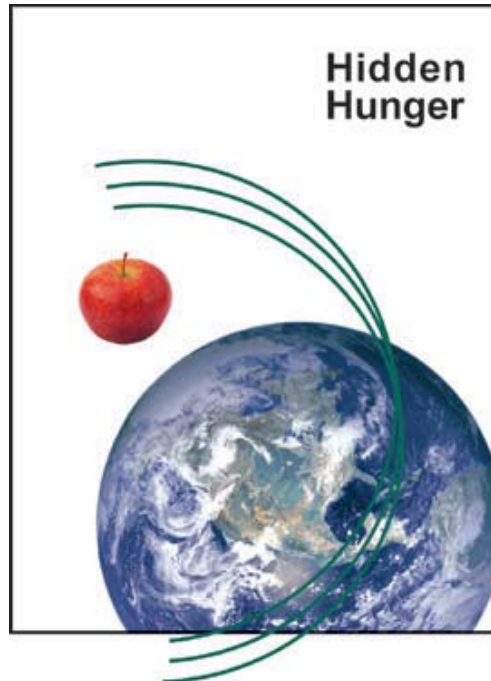
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and Development



SOCIETY OF NUTRITION  
AND FOOD SCIENCE



4<sup>th</sup> International Congress

# Hidden Hunger

**Hidden Hunger and the transformation of food systems:  
How to combat the double burden of malnutrition?**

**February 27 - March 1, 2019**

**Stuttgart, Germany**



[www.hiddenhunger.uni-hohenheim.de](http://www.hiddenhunger.uni-hohenheim.de)

# DAY 1 – WEDNESDAY, FEBRUARY 27, 2019 – PROGRAM

Venue: University of Hohenheim

## WELCOME AND OPENING 1

**Chairs: Regina Birner and Hans K. Biesalski**

Room: Audimax

- 08:30-08:40 am Introduction speech by Regina Birner and Hans K. Biesalski
- 08:40-08:50 am Opening speech by Stephan Dabbert (President, University of Hohenheim)
- 08:50-09:05 am Welcome speech from Stefan Schmitz (Deputy Director-General and Commissioner for the “One World – No Hunger” Initiative, German Federal Ministry for Economic Cooperation and Development (BMZ)): One World – No Hunger

## OPENING SESSION organized by the German Federal Ministry for Economic Cooperation and Development (BMZ): Fixing food systems: Policies and interventions to tackle the double burden of malnutrition – What transformations do we need?

**Chair: Matin Qaim**

Room: Audimax

- 09:05-09:20 am Anna Onyango (Director of Policy and Research, Ministry of Agriculture, Livestock and Fisheries of Kenya): How agricultural policies can contribute to better nutrition – The Kenyan case
- 09:20-09:35 am Dale Lewis: Farming for food and conservation: how small-scale farmers, food processing, and a business partner can restore a landscape
- 09:35-09:50 am Olivia Yambi: Unravelling the Food-Health Nexus to build healthier food systems
- 09:50-10:20 am PANEL DISCUSSION  
Panelists: Stefan Schmitz, Anna Onyango, Dale Lewis, Olivia Yambi

## 10:20-10:50 am COFFEE BREAK

## WELCOME AND OPENING 2

**Chairs: Regina Birner and Hans K. Biesalski**

Room: Audimax

- 10:50-11:05 am Welcome speech from Friedlinde Gurr-Hirsch (Political Secretary, Ministry of Rural Affairs and Consumer Protection of Baden-Württemberg (MLR))
- 11:05-11:20 am Hanns-Christoph Eiden (President, Federal Office for Agriculture and Food (BLE)): “Fit for life” – German perspectives on how to tackle the double burden of malnutrition
- 11:20-11:40 am Fatiha Terki: Unlocking the hidden hunger crises: the power of public-private partnership
- 11:40-12:00 am John McDermott: Hidden hunger and the transformation of food systems: How to combat the double burden of malnutrition?

## TOPIC 1: THE DOUBLE BURDEN OF MALNUTRITION: PREVALENCE, CAUSES AND CONSEQUENCES

### TOPIC 1 – SESSION 1: The double burden and the transition of food systems

**Chairs: Klaus Kraemer and Hans K. Biesalski**

Room: Audimax

- 12:00-12:25 pm Zulfiqar A. Bhutta: Nutrition transition and food systems: what do we know?
- 12:25-12:50 pm Matin Qaim: Transformation of food value chains and the double burden of malnutrition
- 12:50-01:15 pm Francesco Branca: Making SMART commitments to achieve global nutrition targets in the Decade of Action of Nutrition

## 01:15-02:30 pm LUNCH BREAK & PRESS CONFERENCE

Program after lunch break see page 2



# DAY 1 – WEDNESDAY, FEBRUARY 27, 2019 – PROGRAM

Venue: University of Hohenheim

PARALLEL SESSIONS: 02:30-03:35 pm	TOPIC 1 – SESSION 2A: Underlying causes of the double burden: The role of research and policy	TOPIC 1 – SESSION 2B: Consequences of the double burden: Impact on public health
	Chair: Manfred Zeller Room: Audimax	Chair: Sabine Gabrysch Room: Ö1
02:30-02:55 pm	Jock R. Anderson: Why has international agricultural research neglected fruits and vegetables?	Jonnalagadda V. Meenakshi: The hidden and not-so-hidden public health epidemic in India
02:55-03:15 pm	Simon Fraval: Dietary gaps in tropical sub-Saharan Africa: prevalence and livelihood associations	Rose Nalubega: Dual burden of malnutrition trends among children and youths in Uganda
03:15-03:35 pm	Eyongetta Njieassam: Gender discrimination; Contribution to the “triple burden” of hidden hunger in south west region of Cameroon	John Kaganga: Promoting indigenous and traditional food systems to combat the double burden of malnutrition brought about by hidden hunger
03:35-04:00 pm	<b>COFFEE BREAK</b>	
	TOPIC 1 – SESSION 3: The double burden: Insights from global assessments	
	Chair: Kirsten Boysen-Urban Room: Audimax	
04:00-04:25 pm	Keith P. West: Micronutrient deficiencies: A singular problem in a double-burdened world	
04:25-04:50 pm	Corinna Hawkes: The multiple burdens of malnutrition: what know and what we need to know more about	
04:50-05:15 pm	Steve Wiggins: Responding to obesity in the developing world: a wicked, complex or complicated problem?	
	TOPIC 2: THE ROLE OF THE PRIVATE SECTOR IN THE PREVENTION OF THE DOUBLE BURDEN	
	Chairs: Michael B. Krawinkel and Noel W. Solomons Room: Audimax	
05:15-05:35 pm	Manfred Eggersdorfer: Perspectives on energy/nutrient density – too high and too low	
05:35-05:55 pm	Patrick Coppens: The role of supplementation to bridge dietary gaps	
05:55-06:15 pm	Els de Groene: From individual nutrients to sustainable nutrition	
06:15-06:35 pm	Patrick Detzel: Market driven food fortification to address dietary needs	
06:35-07:05 pm	PANEL DISCUSSION Panelists: Manfred Eggersdorfer, Patrick Coppens, Els de Groene, Patrick Detzel	
07:05-07:30 pm	<b>BREAK</b>	
07:30 pm	Come Together at the Mensa/Canteen of the University of Hohenheim	



## PARALLEL SESSION ORGANIZED BY THE HOHENHEIM RESEARCH CENTER FOR GLOBAL FOOD SECURITY AND ECOSYSTEMS:

### BEEF OR BEANS? PROTEIN TRANSITION AND THE DOUBLE BURDEN

Chair: Alicia Kolmans Room: Ö2

- 02:30-02:45 pm Harry Aiking: Urgency of a protein transition for food and nutrition security
- 02:45-03:00 pm Mizeck Chagunda: How to put livestock-derived foods on the plates of people who need them most in a sustainable manner?
- 03:00-03:15 pm Marta W. Vasconcelos: The role of legume grains in meat-reduced diets (regardless of labels)
- 03:15-03:35 pm PANEL DISCUSSION  
Panelists: Harry Aiking, Mizeck Chagunda, Marta W. Vasconcelos

# DAY 2 – THURSDAY, FEBRUARY 28, 2019 – PROGRAM

Venue: University of Hohenheim

08:45-08:55 am Regina Birner and Hans K. Biesalski: Introduction to day 2 Room: Audimax

## TOPIC 3: POLICIES AND STRATEGIES TO COMBAT THE DOUBLE BURDEN OF MALNUTRITION

### TOPIC 3 – SESSION 1: Policies and strategies to combat the double burden of malnutrition

**Chairs: Regina Birner and Klaus Kraemer** Room: Audimax

08:55-09:15 am Lawrence Haddad: Public-private approaches to alleviate the double burden: What works?

09:15-09:35 am Michael B. Krawinkel: The double burden calls for better diet quality worldwide

09:35-09:55 am Howarth Bouis: Strategies for improving dietary quality

09:55-10:15 am Elliot M. Berry: Food insecurity, social inequality and sustainability

10:15-10:40 am PANEL DISCUSSION  
Panelists: Lawrence Haddad, Michael B. Krawinkel, Howarth Bouis, Elliot M. Berry

10:40-11:10 am **COFFEE BREAK**

### TOPIC 3 – SESSION 2: What can international organizations do?

**Chair: Joachim von Braun** Room: Audimax

11:10-11:25 am Saskia de Pee: Situation analysis and multi-sectoral decision making to reduce double-burden of malnutrition – examples from the Fill the Nutrient-Gap (FNG) approach

11:25-11:40 am Mathias Mogge: Programming Towards Improved Nutrition: WHH's approach to the prevention of malnutrition – in all its forms

11:40-11:55 am Karel Callens: The role of food systems and diets in preventing malnutrition – an FAO perspective

11:55-12:10 pm Rolf D. W. Klemm: Knowledge, Nudge or Nanny – A triple opportunity for civil society's response to the triple burden of malnutrition

12:10-12:40 pm PANEL DISCUSSION  
Panelists: Saskia de Pee, Mathias Mogge, Karel Callens, Rolf D. W. Klemm

12:40-02:00 pm **LUNCH BREAK & VISIT OF POSTER EXHIBITION**

### PARALLEL SESSIONS: TOPIC 3 – SESSION 3: Double burden: Impact and future projections

**02:00-03:10 pm Chair: Manfred Zeller** Room: Audimax

02:00-02:25 pm Bruce Cogill: Changing diets and the impact of the double burden of malnutrition

02:25-02:50 pm Kirsten Boysen-Urban: Future pathways: Results of a global economic model

02:50-03:10 pm Leonard Buuma: Double burden of malnutrition and climate change effects on food and nutrition security

03:10-03:40 pm **COFFEE BREAK**

Program after coffee break see page 4



## PARALLEL SESSION ORGANIZED BY SIGHT & LIFE FOUNDATION:

### THE ROLE OF DEMAND CREATION IN ADDRESSING THE DOUBLE BURDEN OF MALNUTRITION

**Chairs: Breda Gavin-Smith and Alessandro Demaio** Room: Ö1

02:00-02:15 pm Rowena Merritt: The role of demand creation across the food system in addressing the double burden of malnutrition – setting the scene

02:15-02:30 pm Amy Deptford: Identifying opportunities to increase supply and demand for nutritious foods – the Fill the Nutrient Gap assessment of the food system

02:30-02:40 pm Daniel Amanquah: An example of a double duty in action – incorporating demand creation as a key component in improving micronutrient intake in Ghana – the case of OBAASIMA

02:40-02:50 pm Paul Newnham: Chef's Manifesto – leveraging chefs to create demand for healthier foods

02:50-03:10 pm PANEL DISCUSSION  
Panelists: Rowena Merritt, Amy Deptford, Daniel Amanquah, Paul Newnham

## PARALLEL SESSION ORGANIZED BY DEUTSCHE GESELLSCHAFT FÜR INTERNATIONALE ZUSAMMENARBEIT (GIZ) GMBH:

### GLOBAL PROGRAMME ON "FOOD AND NUTRITION SECURITY, ENHANCED RESILIENCE"

**Chair: Simon Riedel** Room: Ö2

02:00-02:10 pm Introduction of the Global Programme "Food and Nutrition Security, Enhanced Resilience" of the Special Initiative "One World – No Hunger"

02:10-02:25 pm Archana Sarkar: Influence of socio-demographic inequalities on dietary diversity and household food insecurity: An in-depth nutrition baseline survey conducted in Madhya Pradesh

02:25-02:40 pm DISCUSSION

02:40-02:55 pm Archana Sarkar: Nutrition education and healthy diet practices through Participatory Learning and Action as instrument to enhance dietary diversity of women: Key findings of a mid-line study in Madhya Pradesh, India

02:55-03:10 pm DISCUSSION

## DAY 2 – THURSDAY, FEBRUARY 28, 2019 – PROGRAM

Venue: University of Hohenheim

PARALLEL SESSIONS: 03:40-04:50 pm	TOPIC 4: DIFFERENT TYPES OF INTERVENTIONS: WHAT WORKS WHERE AND WHY?	
	TOPIC 4 – SESSION 1A: Educational approaches and nudging	TOPIC 4 – SESSION 1B: Regulatory approaches, labeling and taxes
	Chair: Kirsten Boysen-Urban Room: Audimax	Chair: Marc Birringer Room: Ö1
03:40-04:05 pm	Sebastian Vollmer: Research on India	Jørgen Dejgaard Jensen: The Danish tax on saturated fats
04:05-04:30 pm	Menisa Antonio: Expanding the agricultural education reach through indigenous plants for food and nutrition of local communities in Ilocos Norte province, the Philippines	Barbara Schneeman: Nutrition labelling for foods
04:30-04:50 pm	Agathe Diama: How Smart Food Concept can lead to transformation of food systems and combat hunger and malnutrition?	Dheeraj Singh: Seed village programme: A practical approach for combating malnutrition and assuring nutritional security in arid Zone
04:50 pm	End of congress day 2	

## PARALLEL SESSION ORGANIZED BY SABRI ÜLKER FOOD RESEARCH FOUNDATION:

### POPULAR DIETS AND HEALTH EFFECTS: ARE THEY RELATED TO HIDDEN HUNGER?

Chair: Ali Atrf Bir Room: Ö2

03:40-03:55 pm	Laura Fernández Celemín: EUFIC Research: Diets undone: hype or healthy?
03:55-04:10 pm	Hans Konrad Biesalski: Popular Diets: Can they cause hidden hunger?
04:10-04:25 pm	Ali Atrf Bir: Communication in health and science: Ethical codes of science journalism
04:25-04:40 pm	Selen Tokcan Hacaloğlu: Nutrition and Health Communication Education Programme and For Accurate Science Project of Sabri Ülker Foundation: Implementations from Turkey
04:40-04:50 pm	DISCUSSION



Source: Willy Bruechle

# DAY 3 – FRIDAY, MARCH 1, 2019 – PROGRAM

Venue: University of Hohenheim		
08:30-08:40 am	Regina Birner and Hans K. Biesalski: Introduction to day 3	Room: Audimax
<b>TOPIC 5: REFLECTIONS ON RESEARCH NEEDS</b>		
<b>Chair: Jan Frank</b>		Room: Audimax
08:40-09:05 am	Prabhu Pingali: Strategies to combat the double burden: What works where and why?	
09:05-09:30 am	Jonathan Wells: The dual burden of malnutrition and childbirth: stunting, obesity and the risk of cesarean delivery	
09:30-09:55 am	Adam Drewnowski: Foods that are nutrient rich, affordable, accessible, and appealing – What metrics are needed?	
09:55-10:30 am	<b>COFFEE BREAK</b>	
<b>SPECIAL SESSION of the Ministry of Rural Affairs and Consumer Protection of Baden-Württemberg (MLR), University of Burundi, Food Security Center (University of Hohenheim), and the University of Applied Forest Sciences Rottenburg: Burundi</b>		
<b>Chair: Stiftung Entwicklungszusammenarbeit Baden-Württemberg (SEZ)</b>		Room: Audimax
10:30-10:40 am	Welcome speech from Grit Puchan (Ministerial Director, Ministry of Rural Affairs and Consumer Protection of Baden-Württemberg (MLR))	
10:40-10:50 am	Heidi E. Megerle: Water-Energy-Food Nexus – Case study Burundi	
10:50-11:10 am	Aloys Misago: Food security in Burundi – Challenges related to the socio-economic context	
11:10-11:30 am	Sanctus Niragira: Farm household vulnerability and food security challenge in Burundi	
11:30-12:00 am	PANEL DISCUSSION: Burundi – Baden-Württemberg Partnership: Facing the challenge of food and nutrition security Panelists: Grit Puchan, Heidi E. Megerle, Aloys Misago, Pascal Nkurunziza, Andreas Weber, Jan Frank	
<b>BEST POSTER AWARD</b>		
<b>Chair: Jan Frank</b>		Room: Audimax
12:00-12:30 pm	The Society of Nutrition and Food Science (SNFS) will award the three best poster presentations with a prize up to 300 €. We are delighted to announce and inform the three presenters directly during the congress.	
12:30-01:30 pm	<b>LUNCH BREAK</b>	

PARALLEL SESSIONS:	TOPIC 4 (CONTINUED): DIFFERENT TYPES OF INTERVENTIONS: WHAT WORKS WHERE AND WHY?	ADDITIONAL CONTRIBUTIONS
01:30-03:00 pm	<b>TOPIC 4 – SESSION 2: Assessment of micronutrient gaps</b> <b>Chair: Thomas Daum</b> Room: Audimax	<b>JUNIOR SCIENTISTS AND NGO REPRESENTATIVES PRESENT ...</b> <b>Chair: Donatus Nohr</b> Room: Ö1
01:30-01:55 pm	Simon Riedel: CIMI – An Android App for a rapid assessment of micronutrient deficits	Fru A. Wanka: An examination of patterns and distribution of overweight among children in South Africa
01:55-02:20 pm	Andrea Fongar: What can we learn from using different dietary and nutrition assessment tools? Insights from rural Kenya	Hedwig Acham: The nutrition landscape and hidden hunger in Uganda
02:20-02:40 pm	Tamara Meleshko: Targeted microbiome correction by nutrition and pharmabiotics	Luis A. Polanco Medina: Seasonal food access as a pathway to the double burden of malnutrition: a case study of smallholder coffee farmers in Bolivia
02:40-03:00 pm	Rajesh K. Rai: Changing burden of underweight and overweight/obesity among rural Indian adults: A prospective cohort study of anthropometry surveillance data	Erick Boy: The double benefit of biofortification: prevention of micronutrient deficiencies and potential reduction of metabolic syndrome through reduced oxidative stress in at risk populations
03:00-03:30 pm	<b>COFFEE BREAK</b>	
03:30-05:00 pm	<b>TOPIC 4 – SESSION 3: Health effects and prevention</b> <b>Chair: Sabine Gabrysch</b> Room: Audimax	<b>JUNIOR SCIENTISTS AND NGO REPRESENTATIVES PRESENT ... (CONTINUED)</b> <b>Chair: Donatus Nohr</b> Room: Ö1
03:30-03:55 pm	Sabine Gabrysch: The long shadow of undernutrition during pregnancy: A trial in Bangladesh covering the full 1000 days and the quasi-experiment of Ramadan in utero	Gaudence Nishimwe: Physico-chemical and sensory profile of the new papaya hybrid lines in Kenya
03:55-04:20 pm	Nicole Darmon: Opticourses, from research to real life intervention: Improving the nutritional quality for price ratio of food purchases of socio-economically disadvantaged households	Benjamin Bodirsky: Starved and stuffed: Outcomes of an advancing food demand transition
04:20-04:40 pm	Lydia Pedun Aisu: Using women's savings groups "Merry Go Rounds" to improve dietary diversity of women (15-49 years) and children 6-23 months in Uganda	Lukas Kornher: How to cope with food price shocks? – Assessing children's nutritional status using blood-based biomarkers from Tanzania
04:40-05:00 pm	Emily C. Keats: What works to improve the health and nutritional status of children under-five in low and middle-income countries? Evidence from a systematic review and meta-analysis	Sahrah Fischer: More drought, better food – Drought effects on nutrient composition, a neglected climate change issue?
05:00-05:30 pm	Closing ceremony	