



## DAY 1 | 28. April 2021

### Foodtropolis – Urban. Circular. Food. The Global Food Challenge

*The future is a state of mind, and it has a name: Bioeconomy. Today, we are where we would never have dreamed of being ten years ago: We produce edible proteins from CO<sub>2</sub>, bacteria and energy, as well as lettuce in space or in polar ice and we can use artificial intelligence to predict future flavors and thus sales at markets. So, are we at the dawn of a bioeconomic age? This question will be discussed with politicians, start-ups, companies and scientists from all over the world during the Digital Global Food Summit organized on April 28th and 29th with start-ups from Singapore to Bangladesh, Israel, the Netherlands and the USA. Start-ups members will be able to present themselves on our new live platform and to join the discussion.*

### START-UP SESSION

#### RETHINK FOOD - BIOTECHNOLOGY AND URBAN FARMING

- 09.00**      **WELCOME**  
**Stephan Becker-Sonnenschein** | Head & Founder of the Global Food Summit
- 09.05**      **BANGLADESH - NEW IDEAS IN INNOVATIVE FOOD - WINNER OF THE 2020 UNIVERSITY COMPETITION**  
**Fabliha Bashashat Rodosy** | Student at the Khulna University  
**Rahagir Salekeen** | Student at the Khulna University  
**Ashit Kumar Dutta** | Student at the Khulna University
- 09.15**      **INTERVIEW OF STEPHAN BECKER-SONNENSCHN WITH**  
**Dr. S M Abdul-Awal** | Professor of Biotechnology & Genetic Engineering, Khulna University

*Start-ups are not only founders, but above all visionaries. They are working on their vision of the future and already offer access to products based on alternative proteins. Others are driving the transformation of urban space for a sustainable circular economy. We will then identify the current challenges in an interactive exchange with the participants.*

- 09.30**      **START UP SESSION**  
hosted by  
**Johanna Kallenbach** | Cluster Manager at the Food Cluster Bavaria  
**Felix Willert** | Project Leader, innovate! Osnabrück

- 10.30**      **END OF SESSION**

## IFOOD INNOVATION FOOD CONFERENCE – DIL

### CONSUMER PERSPECTIVES

Securing a sustainable food supply for the humankind is becoming a major challenge. Diets with a high share of animal proteins must be adapted in order to ensure that the demand is not outstripping the production. Furthermore, the consumption of animal-based products in larger portions is associated with higher risks on prevalence of cardiovascular, coronary and cerebrovascular diseases, stroke, diabetes of type 2 and colorectal cancer. In addition, the animal meat production chains have a considerable impact on the environment through the use of lands, the application of fertilizers, greenhouse emissions, and water consumption, resulting in the loss of biodiversity and enhancing climate changes.

All these facts underline the importance of integrating new protein sources into the diet. However, this means overcoming barriers such as the traditional meat consumption across many cultures. The current session is aimed on consumer barriers and incentives on the transition to a healthier and more sustainable diet.

14:30

#### INTRODUCTION

**Dr. Adriano Profeta** | Head of Department Consumer Research at the German Institute of Food Technologies DIL

14:35

#### HOW TO CONVINCE THE CONSUMER TO EAT HEALTHIER AND MORE SUSTAINABLE?

**Prof. Dr. Klaus Grunert** | Professor and Director of the MAPP - Department of Management - Research on Value Creation in the Food Sector

14:50

#### THE SUSTAINABLE FUTURE OF FOOD: CULTURED MEAT & CREATIVE DESTRUCTION

**Prof. Dr. Nick Lin Hi** | Vechta University

15:05

#### HOW TO MAKE SUSTAINABLE AND GOOD-FOR-YOU PRODUCTS TASTY OR WHY TASTE IS SO IMPORTANT!

**Marieke Hamschmidt** | Junior Global Marketing Manager - Flavor Division Symrise

15:20

#### WHAT IS IT WITH MEAT? CONSUMER VIEWS AND PREFERENCES FOR REDUCING THEIR MEAT CONSUMPTION

**Prof. Dr. Sophie Hieke** | Professor of Marketing and Communication at Munich Business School and Head of Consumer Research at the European Centre for Food Information (EUFIC)

15:35

#### DISCUSSION PANEL WITH

**Dr. Adriano Profeta** | Head of Department Consumer Research at the DIL

**Prof. Dr. Klaus G. Grunert** | Professor and Director of the MAPP - Department of Management - Research on Value Creation in the Food Sector

**Prof. Dr. Nick Lin Hi** | Vechta University

**Marieke Hamschmidt** | Junior Global Marketing Manager - Flavor Division Symrise

**Prof. Dr. Sophie Hieke** | Professor of Marketing and Communication at Munich Business School and Head of Consumer Research at the European Centre for Food Information (EUFIC)

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## GLOBAL FOOD SUMMIT – GRAND OPENING

### HOW BIOECONOMY WILL DRIVE CIRCULAR FOOD INNOVATION

16.30

#### OPENING & INTRODUCTION

16.35

#### WELCOMING ADDRESS

**Michaela Kaniber** | Minister of State for Food, Agriculture and Forestry in Bavaria

16.45

#### CIRCULAR FUTURE: PERSPECTIVES FROM SPACE DOWN TO EARTH

**Prof. Johann-Dietrich Wörner** | President of the German Academy of Science and Engineering (acatech)

17.00

#### IMPACTS FROM A CIRCULAR ECONOMY

**Prof. David Zilberman** | University of California, Berkeley, USA

17.15

#### LIVE QUESTIONS FROM THE AUDIENCE VIA SLIDO

**Stephan Becker-Sonnenschein** | Head & Founder of the Global Food Summit

**Prof. David Zilberman** | University of California, Berkeley, USA

**Prof. Johann-Dietrich Wörner** | President of the German Academy of Science and Engineering (acatech)

## 18.00 END OF THE SESSION

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## DAY 2 | 29. April 2021

### THE MOLECULAR WAY TO PRODUCE FOOD

*Food is also nothing more than a string of molecules. A steak and a glass of water each consists of about 10 high 24 molecules. These smallest, multi-atomic particles are responsible for what we taste and how food feels in our mouth. Today, we can break down food into its molecules and reassemble them in a new and sustainable way.*

#### 09.00 THE FUTURE OF FOOD PRODUCTION

**Lim Chuan Poh** | Chairman of the Singapore Food Agency

#### 09.15 URBAN AQUACULTURE: HIGH-TECH AND SUSTAINABILITY IN THE FOOD INDUSTRY OF THE FUTURE

**Dr. Fabian Riedel** | CEO & Founder of Crusta Nova, Germany

#### 09.35 SUSTAINABLE ANIMAL PROTEIN FOR HEALTHY CONSUMERS – ONLY WHAT YOU CAN MEASURE YOU CAN ALSO MANAGE

**Dr. Michael Binder** | Vice President, Head of the Sustainable Development at EVONIK Nutrition & Care

#### 09.50 CO<sub>2</sub>, BACTERIA & ENERGY - SOLEIN PROTEINS

**Dr. Pasi Vainikka** | CEO & Co-Founder of Solar Foods, Finland

#### 10.05 MEAT FOR GLOBAL CITIZENS

**Didier Toubia** | CEO of Aleph Farms, Israel

#### 10.20 DISCUSSION-PANEL - SLIDO WITH

**Dr. Tan Lee Kim** | Director-General & Deputy Chief Executive Officer at the Singapore Food Agency

**Dr. Fabian Riedel** | CEO & Founder of Crusta Nova, Germany

**Didier Toubia** | CEO of Aleph Farms, Israel

**Dr. Pasi Vainikka** | CEO & Co-Founder of Solar Foods, Finland

**Dr. Michael Binder** | Vice President - Head of Sustainable Development of EVONIK

#### 10.45 END OF SESSION

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## NEUE ZÜRICHER ZEITUNG (NZZ) PRO GLOBAL (IN German)

### EASTERN EFFICIENCY – EU GREEN DEAL – AMERICAN ENTREPRENEURSHIP

#### 11.00 - 12.00 DISCUSSION PANEL WITH

**Stephanie Lahrtz** | Host of the Discussion Panel NZZ

**Bernhard Kowatsch** | Head of UN World Food Programme Innovation Accelerator (Nobel Prize 2020)

**Prof. Johann-Dietrich Wörner** | President of the German Academy of Science and Engineering (acatech)

**Dr. Andy Zynga** | CEO of EIT Food

## A PLAN WITHOUT A GOAL IS JUST A WISH

### HOW TO MEASURE PROGRESS

13.30 WELCOME

13.35 RESEARCH PROJECT - BIOECONOMY MONITORING

**Prof. Justus Wesseler** | Department of Agricultural Economics and Rural Policy at the Wageningen University & Research

13.50 AMSTERDAM: THE DOUGHNUT ECONOMY AND HOW TO MONITOR CIRCULAR AGRI-FOOD

**Mara van der Kleij** | Advisor Sustainability and Circular Economy, City of Amsterdam

14.05 MEASURING, MONITORING AND MODELING DYNAMICS ON EARTH FROM SPACE

**PD Dr. Marco Körner** | Chair of Remote Sensing Technology, Department of Aerospace and Geodesy, Technical University of Munich (TUM)

14.20 URBAN-RURAL SYNERGIES FOR SUSTAINABLE FOOD SYSTEMS

**Prof. Eveline van Leeuwen** | Department of Social Sciences at the Wageningen University

14.35 DISCUSSION PANEL WITH

**Prof. Justus Wesseler** | Department of Agricultural Economics and Rural Policy at the Wageningen University & Research

**Mara van der Kleij** | Advisor Sustainability and Circular Economy, City of Amsterdam

**PD Dr. Marco Körner** | Chair of Remote Sensing Technology, Department of Aerospace and Geodesy, Technical University of Munich (TUM)

**Prof. Eveline van Leeuwen** | Department of Social Sciences at the Wageningen University

14.55 END OF SESSION

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## IFOOD INNOVATION FOOD CONFERENCE – DIL

### SUSTAINABLE FOOD SYSTEMS

*Today, sustainability issues define the development of food production systems. But the current food production system is not sustainable and requires rapid structural transformations, which can potentially have wide-reaching consequences for the state of food security and nutrition. Those can be negative and lead to overconsumption of high-calorie and low nutritional value food items; high levels of food loss and waste; overproduction of environmentally impacting foods; increased incidences of food safety, animal and human health issues; and an increased energy-intensity and ecological footprint associated with the lengthening and industrialization of food supply chains. Therefore, a better understanding of such complex interactions are needed on a system level.*

15:00 INTRODUCTION

**Dr. Sergiy Smetana** | Head of Food Data Group, German Institute of Food Technologies DIL

15:05 ON NUTRISCORE AND ECOSCORE

**Prof. Dr. Liesbet Vranken** | Department of Earth and Environmental Sciences, KU Leuven and Professor in agricultural, food and resource economics

15:20 ON IMPACTS OF FARMED PRODUCTS

**Dr. Thomas Nemecek** | Deputy leader of the Agroscope, Agroecology and Environment, LCA group

15:35 ON PLANT-BASED MEAT ANALOGS

**Chris Shields** | Meatless Farms

15:50 ON PROCESSING TECHNOLOGIES

**Prof. Dr. Stefan Toepfl** | Managing Director of Elea

16:05 DISCUSSION PANEL WITH

**Dr. Sergiy Smetana** | Head of Food Data Group, German Institute of Food Technologies DIL

**Prof. Dr. Stefan Toepfl** | Managing Director of Elea

**Chris Shields** | Meatless Farms

**Thomas Nemecek** | Deputy leader of the Agroscope, Agroecology and Environment, LCA group

## GLOBAL FOOD CHALLENGE

### SDG 2030 AND POLITICS

*So, are we at the dawn of a bio-economic age? Europe drafted a Green Deal strategy reflecting the international trends for circular and bio-economic methods in food production. At the same time the precautionary principle does not seem to allow pioneering implementations such as CRISPR Cas 9. Could Europe therefore be a role model for bioeconomy? And what role do international organizations play in this new circular approach? How can it be ensured that all societies worldwide benefit from this transformation?*

#### 16.30 WELCOME

#### 16.35 FACING THE GLOBAL FOOD CHALLENGE

**Dr. Máximo Torero** | Chief Economist at the Food and Agricultural Organisation (FAO)

#### 16.45 URBANIZATION, FOOD AND DEVELOPMENT

**Oriana Romano** | Head of Unit, Water Governance and Circular Economy in Cities in the Organisation for Economic Co-operation and Development (OECD)

#### 16.55 DISCUSSION PANEL WITH

**Dr. Máximo Torero** | Chief Economist at the Food and Agricultural Organisation (FAO)

**Oriana Romano** | Head of Unit, Water Governance and Circular Economy in Cities in the Organisation for Economic Co-operation and Development (OECD)

**Dr. Dirk Voeste** | Senior Vice President Regulatory, Sustainability & Public Affairs, BASF Agricultural Solutions

**Prof. Joel L. Cuello** | Vice Chair of the Association for Vertical Farming (AVF), Professor of Biosystems Engineering at the University of Arizona, Tucson USA

**Dr. Volker Heinz** | Executive Board of the German Institute of Food Technologies DIL

#### 18.00 END OF SESSION

#### 18.00 CONCLUSION & END OF DIGITAL GLOBAL FOOD SUMMIT

**Stephan Becker-Sonnenschein** | Head & Founder of the Global Food Summit

**Dr. Volker Heinz** | Executive Board of the German Institute of Food Technologies DIL

## COOPERATION PARTNERS



## SUPPORTERS

