

F01 - Climate-smart agriculture for food security

Time: Wednesday January 26th 2022 18:00-20:00

Location: ULB Campus Plaine, Forum E or [online](#)

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Schedule:

18:00-18:10 Welcome

18:10-18:30 **CEO Lalit Gautam**
Co-Founder & CEO SenseGrass, India
How data is going to feed the population not food- Agriculture intelligence to tackle climate change?

18:30-18:50 **CEO Lars Ling**
Founder & CEO CleanTech Region Solutions, Sweden
Food beyond sustainability for 10 billion people!

18:50-19:10 **CEO Tatsiana Zaretskaya**
Founder & CEO Laava Tech, Estonia
How data analytics is transforming agriculture?

19:10-19:30 **Prof. Dr. Hilde Nelissen**
Group Leader VIB Department of Plant Systems Biology, Ghent University, Belgium
Unlocking plant potential for climate-smart agriculture: From single cells to new breeding technologies

19:30-20:00 Discussion

The Covid Safe Ticket (CST) is required to access that event. Wearing a mask is mandatory while seated in the theater.

***About BriAS** - The newly founded Brussels Institute for Advanced Studies (BriAS), co-founded by the Université libre de Bruxelles (ULB) and the Vrije Universiteit Brussel (VUB), aims to expand upon the mission of other IASes as an incubator of ideas and research by focusing on current and urgent themes with a great societal impact.*

Located in the heart of Brussels, it aims to attract the very best scientists, artists or designers, coming from various fields or countries and with no philosophical or political restriction, and provide the opportunity to work in an atmosphere of complete freedom, collaboration, mutual emulation and cross-fertilisation. In this context, BriAS aims to facilitate collaborations with countries facing critical challenges pertaining to sustainability.

*For more information and updates about BriAS, our upcoming events, and our current research theme **The past, present and future of food, climate and sustainability**. Follow us on our [webpage](#), on [LinkedIn](#), [Facebook](#) and [Youtube](#).*

CEO Lalit Gautam

How data is going to feed the population not food- Agriculture intelligence to tackle climate change?

Food and agriculture systems today are unsustainable for both people and the planet. They operate at a high environmental cost, waste large amounts of product and leave many producers in emerging markets at or below the poverty level. Stakeholders from all sectors and regions have recognized the urgent need for a fundamental transformation of food and agriculture systems. Such a transformation would create sustained social value and deliver greater equity to the most disenfranchised. Data in agriculture is important and the usage of data will make our plant sustainable to feed the population more smartly than we expected.

CEO Lars Ling

Food beyond sustainability for 10 billion people!

How do we sustainably secure FOOD, WATER, and ENERGY for 10 Billion people by 2050? Certainly not by resuming today's Industry scale food- and AgTech production, let's dive deeper into the opportunities and challenges of the sectors.

CEO Tatsiana Zaretskaya

How data analytics is transforming agriculture?

Data analytics is a critical part of improving business operations in every industry. An organization can utilize data analytics to improve decision-making, analyze customer trends, track customer satisfaction and identify opportunities for new products and services to meet growing market needs. By integrating information and systems to gather data across the business, organizations are able to gain real-time insights into marketing, product demand, sales and finances. With the world population expected to reach more than nine billion by the year 2050, The Food and Agriculture Organization (FAO) predicts a 70-percent growth in agricultural output will be needed to serve the projected demand. This driving force has greatly increased the interest in and utilisation of data analytics in agribusiness.

Prof. Dr. Hilde Nelissen

Unlocking plant potential for climate-smart agriculture: From single cells to new breeding technologies

One way to achieve climate-smart agriculture is to investigate the plants' potential to achieve high productivity in a sustainable way. Currently, different technological developments are emerging that help us to understand on how plants deal with more sustainable practices and the climatic changes. The role of academia in technology development and application will be exemplified by single cell approaches and new breeding technologies.

