

Speakers

Moderator: Simon Pampena



Simon Pampena is one of the world's leading mathematical communicators, performing year-round to audiences in the US, UK and all across Australia. He has been the Australian Numeracy Ambassador since 2009 and is a presenter on Discovery Channel's Outrageous Acts of Science and groundbreaking YouTube channel Numberphile. His pioneering blend of comedy and mathematics has been wowing crowds around the world with numerous seasons at the Melbourne International Comedy Festival, Adelaide Fringe and the Edinburgh International Science Festival.

Day 2 – Presenters and Panelists

Next Gen Speakers

Connor Kiselchuk, Controlled Environment Technician, NASA, and 2017 Jeff Schell Fellowship Recipient



Connor holds a degree in Environmental Science from the University of Guelph and has worked for the university's Controlled Environment Systems Research Facility as well as a research scientist with the on-orbit plant production team at NASA's Kennedy Space Center. Connor also worked as a bio-regenerative life support systems technician at the German Aerospace Center (DLR) in Bremen while completing his own research into Ion-Selective Optrode Sensors which are now in use within the EDEN ISS container in Antarctica. Connor is a recipient of the 2017 Jeff Schell Fellowship from the Bayer Science and

Education Foundation and the Arthur D. Latornell Undergraduate Scholarship from the University of Guelph.

Sarah de Souza, Marketing Analyst Environmental Science Division, Bayer



Sarah de Souza works within the Environmental Science business unit of Bayer's Crop Science division and is based in Abidjan, Ivory Coast. Specializing in Vector Control, Sarah is fiercely passionate about fighting malaria, a predominantly rural disease which affects the health of millions of smallholder farmers and undermines efforts to promote sustainable agricultural systems in developing countries.

By working with both the public and private sectors, Sarah's work aims to shed light on some of the links between agricultural practices and mosquito biology in areas where malaria is endemic. In doing so, she hopes to learn how to improve the impact of malaria control programs and benefit the farmers who are threatened by this debilitating disease. Sarah is also working to find novel ways to bring vector control solutions and malaria education to smallholder farmers in the region to improve their health, productivity and overall quality of life.

Sarah holds a master's degree in biology, physiology and neurosciences from the University of Claude Bernard, Lyon France. She also holds a master's in international marketing and management, specializing in the life sciences and agriculture/food industry, from the EM Lyon Business School.

Shafinaz Hossain, Net Gen Council Member, Thought for Food and Youth Ag Summit 2017 Delegate

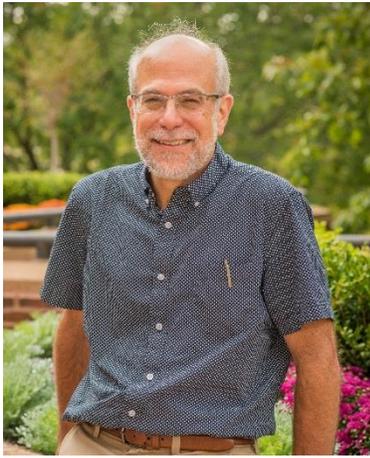


Shafinaz Hossain represented Bangladesh at the 2017 Youth Ag Summit, a unique Bayer initiative to connect and empower the next generation of agricultural change-makers to take concrete action on feeding a hungry planet. Shafinaz is also one of 25 young leaders of Thought for Food (TFF), a movement dedicated solving the complex challenges facing our food system, where she advises on the TFF Challenge curriculum, contributes to strategic planning and leads a regional group of TFF Ambassadors in Southeast Asia. She co-founded FoodFresh, an affordable solar-powered storage solution for smallholder farmers, during her undergraduate days to tackle postharvest loss in Bangladesh. She is currently working in a multinational bank where she looks after a portfolio of agricultural clients, while simultaneously pursuing a

Masters in Economics with a major in Agricultural Economics. Hossain is also a former United States Agency for International Development (USAID) employee and has been directly involved with Feed the Future project aimed at 20 disaster-prone regions in Bangladesh where she designed market systems interventions to address the problems of food insecurity in her country.

Innovation Speakers

Tom Adams, CEO of Pairwise



Dr. Adams became CEO of Pairwise in April of 2018 after a 20-year career at Monsanto where he most recently served as Vice President of Global Biotechnology leading the development of Monsanto's next generation of biotechnology traits. Prior to that, Dr. Adams had numerous technology leadership roles including Vice President of Chemistry Technology, of Genomics Technology, and Director of Yield and Emerging Technologies. Before joining Monsanto, Dr. Adams was an Associate Professor in the Department of Biology at Texas A&M University. Dr. Adams has PhD in Microbiology from Michigan State University and a BS degree in Botany and Plant Pathology from Oregon State University.

Dr. Adams and the team at Pairwise believe genome editing in plants has the power to offer healthier, more sustainable, accessible and affordable food. By harnessing the natural diversity in plants, the team will bring new varieties for fruits and vegetables to the produce aisle, while partnering to develop traits in row crops that address global challenges to food production.

Phil Harris, President and Co-Founder, ripe.io



Phil is a founder at ripe.io, a startup deploying the “Blockchain of Food” to help answer what’s in your food, where it’s been and what’s happened to it. Ripe.io creates a digital twin of the physical food item and its underlying supply chain called the “Food Bundle” that contains all of the data, workflow and activities that enable a complete and full history of the food and the ecosystem that created and delivered it. The “Food Bundle” is applied to the blockchain, which delivers real records of truth to solve for problems around quality, traceability, sustainability, fraud, food safety and predictions for things like taste. Phil has an extensive career spanning over 25

years in financial technology including roles at Nex, Nasdaq, CME Group, 360T and [Blockstack.io](#) an early blockchain start up that was sold in 2015.

Daniel Koppel, Co-Founder and CEO, Prospera



Daniel Koppel is a co-founder and CEO of Prospera, a data company transforming farm production by fusing agronomy computer vision and machine learning. Daniel has a computer science background and prior to founding Prospera, he worked in the management consulting industry. He also has held tech positions for some of the leading tech startups in Israel.

Brooke Bissinger, Director of Entomology, AgBiome



Brooke Bissinger is a broadly trained entomologist with a background in agriculture, medical and veterinary entomology. She leads the entomology team at AgBiome where she is actively involved in the company's insect control trait and biological discovery projects. Brooke is the Principal Investigator on the Bill & Melinda Gates Foundation-funded project, Systems Biology for Sweetpotato: Engineering the African Root/Soil/Microbiome for Enhanced Crop Productivity.

Prior to joining AgBiome, Brooke worked at TyraTech, Inc., most recently as Director of R&D over repellents and animal health where she led the team that developed the Guardian™ line of mosquito

repellents.

Brooke completed her undergraduate work in Environmental Studies at Warren Wilson College and holds MS and Ph.D. degrees in Entomology from North Carolina State University.

Justin Gong, Co-Founder and Vice President, XAG



Justin Gong, a former journalist and wildlife photographer, is a PhD candidate at the Université Paris Dauphine and THU. He is also a Grosvenor Council Member of the National Geographic Society. In 2013, Justin joined XAG (former name XAIRCRAFT) as the co-founder, in charge of digital farming, marketing and globalisation.

XAG is now one of the world's largest agricultural technology companies, leading in the design, development, manufacturing and operation of agricultural UASs (Unmanned Aerial System) and robots. During the last five years, Justin and his team have successfully introduced UAS plant protection services to millions of

Chinese farmers, and now continue to expand to the global market.

In 2016, Justin founded XAG Academy, educating more than 70,000 young agricultural professionals to utilise new technologies and embed sustainable-thinking in farming.

This summer, Justin gate-crashed the Forbes China “30 Under 30”, marking his contribution in the field of agricultural technology.

Sustainability Panelists

Henrique Fiorese, Business Manager, Nossa Senhora Aparecida Farm



Graduating with degrees in Law and Business Administration, **Henrique** Fiorese has been working at Fazenda Nossa Senhora Aparecida since 2012, taking care of the administrative and financial part of the business, where he is responsible for implementing new technologies for administrative and payment control.

Today, Henrique represents the fourth generation of farmers in the Fiorese family, a beautiful portrait of how the vocation to work in agribusiness has been transmitted from father to son in Brazil. Since becoming a Bayer ForwardFarm and making sustainability even more of a priority, Henrique says the farm has developed a greater sense of organization and control over the planning and documentation processes of its operations.

Josphine Mukiri, Smallholder Farmer in Kenya



Josphine is a 50-year-old farmer from Meru county in Kenya. She is a widow and a mother of four, two biological sons aged 16 and 18, and takes care of two more children from her late sister. She is a community leader through her local church, and a motivational speaker. She was a kindergarten teacher and a partial farmer until 2013 when she left formal employment to take care of her sick husband. In 2014, she became a fulltime farmer, relying fully on farming to educate her children. She grows maize, beans, potato, cabbage and practices daily farming. After her husband passed in 2014, Josphine experienced the harsh realities of living as a widow and formed the community-based organization Blessed Widows Self-

Help Group. The objective of the group is motivating widows and doing table banking to meet immediate needs. In addition to serving as chairlady of Blessed Widows, Josphine is also a faith preacher.

Ashley Reding, Grower, Homestead Family Farms



Ashley Reding is a corn, soybean, and small grains farmer from Central Kentucky. Despite crying when her hands got dirty as a child, she married a sixth-generation farmer and began her journey as a farm owner, wife, mom of three, and – eventually -- advocate for modern agriculture. Ashley graduated from the University of Kentucky with a BS in Business Management and Decision Science & Information Systems. She worked off the farm in human resources and accounting positions before joining the farm full-time in 2009. Together with her husband, Aaron, and his family, they grew their family farm from 4500 to nearly 30,000 acres over the next six years. Homestead Family Farms specialize in growing corn and small grains for the nearby bourbon distillery market. Ashley now works part-time on the farm as she balances volunteer work at a local school, children’s activities, farming, and four different chronic health conditions in her immediate family. Their daughter Kathryn is a freshman at the University of Kentucky and their sons Andrew and Adam are 12 and 10, respectively. She can be reached at ashley@homesteadfamilyfarms.net.

Rajesh “Pappu” Singh, Smallholder Farmer in India



Affectionately known as “Pappu,” to his friends and family, Rajesh is a green chili farmer whom with Bayer works to understand challenges and needs he faces when he goes to local markets to sell his produce. Working to integrate smallholders into the value change as equal partners, Bayer works with Pappu to provide his farm with drip irrigation, mulch, fertilizer and guidance on crop protection products and usage. Bayer continues to visit Pappu’s farm to demonstrate when to apply the right crop protection product and the time of day it should applied, which has allowed for many disease-prone chili plants to be saved and sold at market.

Sayetno Sanio, Smallholder Farmer in Indonesia (TBD)



Pak Sayetno Sanio was born in Merauke District in Papua Province, Indonesia in 1965. Before graduating from High Vocational School at 17, he dedicated himself to the agricultural sector as a farmer under the assistance of his father. To harvest yields above 2 ton/Ha of rice grain was very challenging in Merauke, and knowledge of technology, market and finance was not common among local farmers. Pak realized that to improve the futures of his family and his people, the village needed more efforts in the agricultural sector. As Head of the village, Pak partnered with Bayer as a local farmer for a demo-trial in Wapeko, the nearby village known as the most challenging location for rice cultivation. In collaboration with Bayer and Medco, the demo-trials produced great results in terms of productivity, production cost, selling price and income, and influenced local farmers to join Bayer’s smallholder farming initiative. Sayetno is very proud to be an ambassador for Bayer’s smallholder farming initiatives,

and is now the incumbent for the upcoming general election of his village. His election platform prioritizes the need to build the capacity of and to improve the value chain of farmers.

Consumer Trends Panelists

Clay Phelps, Farmer, Edgewood Farms



Clay is an operating manager of Edgewood Farms in Groveland, New York. Edgewood Farms produces row crops, forages, vegetable and raises beef cattle. Edgewood farms focuses on efficiency through technology use and in-depth decision making. In addition, Edgewood Farms operates a grain merchandising business, trucking business and some retail sales.

Herman Konings, Trend Analyst and Consumer Psychologist



Herman Konings is a Master in theoretical psychology (Catholic University of Leuven) and managing director of the Antwerp agency for trend analysis and future research Pocket Marketing/nXt. As a trend analyst and consumer psychologist Herman regularly offers advice, holds workshops and gives inspirational lectures for companies, societies, governments and higher education about changes in trends and expectations for the future.

Ronald Guendel, Global Head – Food Chain Relations, Bayer



Ronald Guendel has worked in leading positions in the area of Food Chain Management at Bayer since 2002, being appointed Global Head of Food Chain Relations in 2016. He also holds a Master of Science degree in Agricultural Educational and Studies from the Iowa State University and a Master of Business Administration from the Interamerican University in Costa Rica.

Since the beginning of his working career at Bayer Crop Science, Mr. Ronald Guendel has been responsible for the establishment of key strategic partnerships with important food chain players, including multinational food manufacturers, retailers and traders, governmental institutions and NGOs active in the sector, and for the implementation of initiatives seeking for good quality and safety of food products. Now, he is responsible for Bayer to showcase the Food Chain Partnership concept in the most important fairs worldwide and to expand BayG.A.P. Service Program – Bayer's flagship program to support farmers around the world in the area of certification.

Since 2007, Mr. Ronald Guendel lives in Germany together with his wife and children.

Social Innovation Panelists

Tony Gathungu, Commercial Operations Lead – Sub Sahara Africa, (Legacy Monsanto), Bayer



Tony has over 18 years of experience as a leader in business development management that spans across the US and Africa. He currently leads the corn and herbicide business for legacy Monsanto in Sub Sahara Africa based out of Nairobi, Kenya.

Prior to joining Monsanto, he led the international business development efforts for Kenya's largest processor and exporter of processed vegetables based in Nairobi, Kenya.

Tony also spent 14 years in the US where he held a variety of leadership roles at Fortune 500 FMCG organizations based out of Chicago, Illinois. His last role there was leading the US national commercial operations for Pactiv, the world's largest manufacturer and distributor of food packaging and foodservice products.

Tony has a passion for global business and earned his bachelor's degree in International Business from USIU-Africa in Nairobi and an MBA in Global Business from The Lake Forest Graduate School of Business in Chicago.

Dirk Jan Kennes, Global Strategist – Farm Inputs, Rabobank



Dirk Jan and his team publish research on macroeconomic trends and industry dynamics within different food & agribusiness value chains, provide strategic corporate advice, and assist asset management firms in agricultural commodity markets investments. Dirk Jan and his team offer management assistance to internationally operating F&A companies. These companies face strategic choices arising from dynamics within the value chains.

Before joining Rabobank in September 2007, Dirk Jan held management positions within the F&A market. He was member of the management team of Kemira Food Ingredients. Before that, he was business manager responsible for Feed at CSM subsidiary Purac. He has also worked for Akzo Nobel where he was involved in the marketing and sales management of feed ingredients.

Dirk Jan studied agronomy, majoring in animal nutrition. Dirk Jan also holds an MBA from TSM Business School in the Netherlands.

Sarah LaHaye, Europe Business Development Director, One Acre Fund



Sarah LaHaye is One Acre Fund's Director of Business Development for Europe. She is responsible for building relations with European partners to support One Acre Fund's services for smallholder farmers and growing client base in Sub-Saharan Africa. Sarah previously served as the Partnerships Director for One Acre Fund - Rwanda, based out of Kigali, where she was responsible for the organization's field coordination with Government of Rwanda, including partnerships on the national extension system, agricultural innovation, and input supply. Prior

to 1AF, Sarah worked to promote the peaceful use of nuclear science as a Nuclear Security Officer at the International Atomic Energy Agency and as a fellow at the U.S. Department of Energy. Sarah obtained her master's degree from Columbia University and bachelor's degree from University of California, San Diego, and studied in Paris, France at Sciences Po.

Christien van den Brink, Development Manager, myAgro



Christien is myAgro's Development Manager based in Senegal. She manages relationships with partners in West Africa and Europe and is often in the field to collect stories from farmers. Christien has a background as multilingual communications expert with a decade of storytelling experience, including video/photo storytelling in Mali, Senegal, Burkina Faso, Ghana, Cameroon, Congo, Uganda, Central African Republic and Jordan. Most notably, she spent two years working for ICCO Cooperation, a Dutch development organization, to help set up a regional communication and fundraising strategy. She also consulted with UNESCO and UNRWA in Jordan, Syria and Lebanon to set up large-scale fundraising campaigns and developed

and produced video stories on Education in Emergencies programs in the Middle East.

Christien holds a BA in Journalism and MA International Relations-Multilingual Communications from Université Libre de Bruxelles.

Rose Goslinga, CEO and Co-Founder, Pula



Rose Goslinga isn't your typical insurance salesperson. For the last nine years she's been part of teams pioneering agriculture insurance, first with the award winning program Kilimo Salama, of the Syngenta Foundation for Sustainable Agriculture and now with PULA an micro insurance technology company offering services to smallholder farmers.

The team at Pula develops and implements data driven financial solutions to assist over 600,000 small-scale farmers across 9 countries in Africa and Asia, safeguarding their crops and allowing

farmers to invest in their farms through financial tools that take advantage of the rising use of mobile technology. Rose was raised in Tanzania but now calls Nairobi home. She holds a Master's degree from the University of London and is a Poptech and Mulago Social Innovation Fellow. She has spoken at various forums on the impact and potential of agriculture insurance, including at [TED](#).

Day 3 – Presenters and Panelists

Youth Ag Summit Panel

Luke Blomfield, Bayer Youth Ag Summit 2017 Delegate, United Kingdom



Luke comes from a background in business, accounting and entrepreneurship. It was strictly through raw intrigue that he began to explore the emerging world of entomophagy (the use of insects for human consumption). Having reared, cooked and eaten mealworms for over a year, Luke set out to explore entomophagy's place in the future of farming. Traveling around Thailand, Luke witnessed the role entomophagy plays in Thailand's economy and food security. It was in Kisumu, Kenya where Luke worked along side Wageningen University's 'Flying Food Project', setting up cricket farms in order to counteract the environmental pressure of overfishing in Lake Victoria.

Magnus Kamau Lindhart, Bayer Youth Ag Summit 2017 Delegate, Denmark/Colombia



After working on a dairy farm in Denmark growing up, **Magnus** knew he wanted to learn about more scientific approaches to agriculture. He studied Natural Resources and Agronomy at the University of Copenhagen and now is a student at Wageningen University where he studies plant breeding. He also works for Sejet Plant Breeding, an international plant breeding company. Magnus has agricultural experience in Europe, Colombia, and Kenya.

Florine Kremer, Bayer Youth Ag Summit 2017 Delegate, Netherlands



Florine is a 24-year-old Dutch student focusing on sustainable food consumption and global food security. She is completing a masters degree of her own design focused on the environmental aspects of food choices and consumption patterns. Her active research aims to increase healthy food choices at community colleagues and she is a teaching assistant for Operations Research at Wageningen University.

Maurizio Chiurazzi, Master Student at Wageningen University, Bayer Youth Ag Summit 2017 Delegate, Italy



Maurizio Chiurazzi is a graduate student at Wageningen University where he studies plant science. He specializes in natural resource management and is minoring in genetic resources for crop protection and improvement. His thesis in crop physiology focused on the study of the photosynthetic efficiency in different C4 species through simultaneous gas exchange and chlorophyll fluorescence measurements. This interest encouraged Maurizio to join the “Greenhouse Challenge” where he worked with a team to design an urban farm to replace towers in former prison complexes in Amsterdam.

Animal Well-Being Panel

Dr. Almut Hoffmann, Head of Farm Animal Products Marketing, Animal Health, Bayer



Dr. Almut Hoffmann is the Head of Global Marketing for Farming Animal Products for Animal Health at Bayer. She has spent a number of years as a large animal veterinarian before joining the pharmaceutical industry. She applies insights from both professional perspectives to advance products and solutions that support livestock professionals and benefit the well-being and health of animals.

Dr. Bart Gremmen, Professor of Ethics in Life Sciences, Wageningen University



Dr. Bart Gremmen is a professor of ethics in Life Sciences at Wageningen University and is a senior research associate at the Oxford Uehiro Centre for Practical Ethics at the University of Oxford.

He manages the society clusters for the center of biosystems genomics and his current research focuses on the ethical and societal issues in emerging technologies, genomics, nanotechnology, genetic engineering, and synthetic biology.

Jannes Maes, Belgian Dairy Farmer and President of CEJA (TBD)



Born in 1991, **Jannes Maes** grew up on a Flemish farm (dairy cattle, sheep and arable crops) in Aalter, in the east of Flanders, and has been passionate about agriculture and horticulture since childhood. He focused on agriculture during his secondary education and later obtained a Bachelor's Degree in agriculture. Today, he works with his family on their dairy farm, cooperating with other farmers in collecting and processing their milk. For the past two years Jannes served as Vice President of CEJA, and before that as the international representative of Groene Kring, the Flemish young farmers' organisation, where he began to attend CEJA meetings. Jannes has been an active member of Groene

Kring, representing it at both regional and national level.

Gert van der Bilj, International Program Manager for Solidaridad



Gert van der Bilj is responsible for the sustainable soy and livestock program of Solidaridad. His main focus is on the development of supply chains for animal products in Europe and supporting projects for sustainable production in South America, India, and China. He is also an alumnus of Wageningen University.