



GENIUS

Where GENIUS Sparks Ideas



CANCÚN

May 8 - 10, 2023

ANIMAL
NUTRITION
AND HEALTH



DSM

BRIGHT SCIENCE. BRIGHTER LIVING.



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Driving Transformation

There has never been a more exciting or challenging time in the agri-food sector. The backdrop of volatility, uncertainty, complexity and ambiguity that defines today's context cannot restrain the progress of scientific innovation or our industry's calling to feed the world sustainably.

It takes all of us, together, doing our part to contribute to a brighter future. That's why I look forward to bringing together partners in the value chain so we can map our common journey.

The World Nutrition Forum, which has found a new home at DSM, provides that opportunity by convening leading minds in the field of animal nutrition and health in order to address the most important issues we face.

Since 2004 these invitation-only summits are consistently well rated by attendees, each time drawing upon the uniqueness of the location, speakers and participants while maintaining the highest quality standards for both content and organization.

The opportunity for knowledge sharing and networking with top executives to explore a broad set of key issues in the food and feed industry has made the World Nutrition Forum a key event in the industry calendar.

We kindly invite you to join us for the 2023 World Nutrition Forum in Cancun, Mexico.

Ideally situated on the Caribbean Sea, Cancun offers a vivid setting with modern convention center suited for meeting the hundreds of academia and industry delegates from all parts of the globe.

At DSM Animal Nutrition and Health, our mission is to lead a robust and achievable transformation worldwide in sustainable animal protein production, and to accelerate solutions that will foster a brighter future.



At DSM we define sustainability according to 6 platforms: improving lifetime performance of animals, reducing food loss and waste, reducing emissions from livestock, making efficient use of natural resources, reducing reliance on marine resources and helping tackle antimicrobial resistance.

Our goal in hosting this scientific conference is to provide you with the latest scientific and practical insights to navigate a successful future and to build a more sustainable food system.

A robust scientific program, networking opportunities and social activities are just a few of many attributes that will make the 2023 World Nutrition Forum experience both professionally valuable and unforgettable.

We make it possible, together to achieve radical, achievable transformation in sustainability that brings about a healthier future for people, planet and livelihoods. On behalf of DSM, we look forward to welcoming you to the 2023 World Nutrition Forum.

See you in Cancun.

Ivo Lansbergen
Executive Vice President
DSM Animal Nutrition and Health



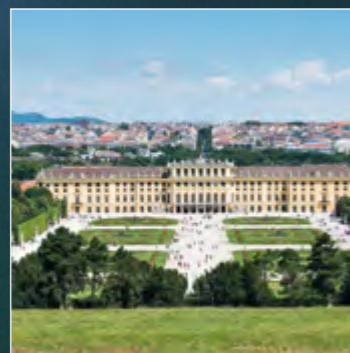
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Longstanding Success

Leading biennial event



2010 Salzburg
2012 Singapore
2014 Munich



2004 Salzburg
2006 Vienna
2008 Mayrhofen



2016 Vancouver
2018 Cape Town
2023 Cancun



Global phenomenon



800+

industry professionals, researchers and academics from across the world



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Brilliant. Amazing. Inspiring. Genius encompasses powerful intellectual capacity and boundless creativity. We would be hard-pressed to identify the precise number of talented individuals who have contributed to the development of science and agriculture leading to the present-day scope and scale of the animal protein industry. From the Agricultural Revolution to the Green Revolution, our capacity to nourish a growing global population has grown massively—a trajectory it should maintain in the future thanks to the next wave of technological innovations. The genetic potential of protein food has increased through selective breeding. Gene editing tools such as CRISPR/Cas9 create innumerable possibilities for further improvement. Genomic sequencing “-Omics” technologies enable us to have a detailed picture of the interplay between nutrition, health and gut performance. Precision nutrition opens new frontiers.

Genius knows no boundaries. Rather, it is found across disciplines ranging from science to farm management and business. It taps into the latest food and consumer trends and swims in the sea of data generated from digitalization. Forecasting provides us with a glimpse of what lies waiting beyond the horizon, and what it may mean.

Genius breaks down barriers. It arms us to combat the challenges we face, including but not limited to feed prices, mycotoxins, antibiotic resistance, market competition, quality and safety, in order to deliver products that people



love. It pushes us to embrace new technologies that empower significant gains in productivity, animal health, welfare and sustainability. Genius sparks innovation in various magnitudes, from incremental improvements to full-scale disruptive innovation.

Genius wears many hats: scientist, researcher, farmer, miller, entrepreneur, consultant, veterinarian, nutritionist—and sometimes several at once. Inspiration only comes considering several perspectives.

The 2023 World Nutrition Forum offers top industry professionals the opportunity to engage with peers from across the globe – to form a collective genius over the course of several days— to make genuine progress in feeding the world and building sustainable food systems. Together, we make it possible. Bring your thinking cap.

Eva Maria Binder
Head of Translational Science
DSM Animal Nutrition and Health



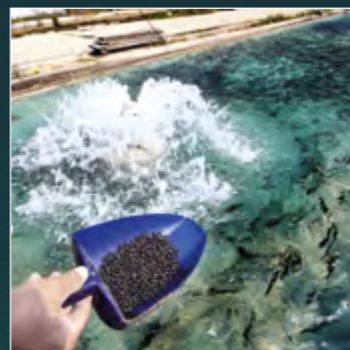
Let's talk science

Latest developments in the protein industry, nutrition, life sciences, and food safety with papers, posters, presentations and discussions.

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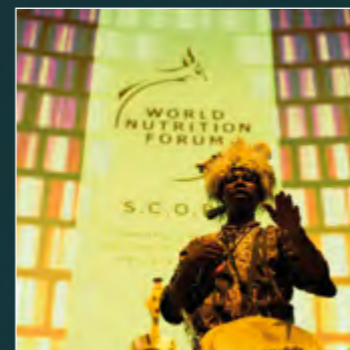
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A complete program

Full schedule of plenary sessions, breakout sessions focusing on specific livestock species, poster sessions, get togethers, conference dinners and more.





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May 9 AM, Conference Day 1

The evolution of corporate sustainability and what it means for you

Bob Langert, Former VP of sustainability at McDonald's

Making it possible, together

Ivo Lansbergen, DSM

The environmental impact of livestock farming

Frank Mitloehner, University of California, Davis, USA

Agribusiness and the media: What's the story?

Timo Küntzle, Journalist and Speaker, Austria

The Economics of Sustainability

Bas Ruter, Rabobank

Breakout Sessions May 9 PM



The impact of the microbiome on antibiotic-free poultry production

Dana Stanley, Central Queensland University, Australia

Challenges in the use of low protein diets

Michael Kidd, University of Arkansas, USA

OVN Optimum Vitamin Nutrition® for a more sustainable poultry production

Gilberto Litta, DSM



Exploring the genes: Genetic selection that has led to the modern pig

Lisanne Verschuren, Topigs Norsvin, Netherlands

Decoding the genes: Expression as the driver of phenotype

Luis Romero, Biofractal, Portugal

What biomarkers can tell us about animal physiology

Brian Kerr, USDA, USA

Breakout Sessions May 9 PM



Silage management for improved animal performance

Hugo Ramirez, Tecnologia Forrojera, Mexico

Building a science-based roadmap for low carbon milk

Luiz Gustavo R. Pereira, Embrapa, Brazil

Nutritional strategies to improve dairy cattle immunity, health and performance

Turner Swartz, Michigan State University, USA

Key opportunities to manage metabolism in transition dairy cows

Tom Overton, Cornell University, USA

Effects of fetal programming on nutrient requirements and growth in ruminants

Alejandro Relling, The Ohio State University, USA

Evaluation of physiological and performance effects of fusarium mycotoxins in finishing beef cattle

Jennifer Duringer, Oregon State University, USA

Nutritional additives for feedlot cattle: what's new?

Juan de Dios Garza Flores

Sustainability actions for low carbon meat

Alexandre Berndt, Embrapa, Brazil

Formulating the perfect aqua-feed. Balancing optimum nutrition with cost // Balancing nutrition and cost in aquafeed formulation

Lukas Manomaitis, U.S. Soybean Export Council (USSEC), USA

Global shrimp aquaculture: Outlook and challenges

Ronnie Tan

Sustainable nutrition in aquaculture, how are we doing?

Louise Buttle, DSM

What is the real cost of mycotoxins and anti-nutritional factors?

Albert Tacon, AquaHana LLC

May 10, Conference Day 2

Metagenomic discovery enables precision characterisation of microbiomes

Mick Watson, DSM

Interactions between the diet-microbiota-immunometabolic axis and foodborne pathogens in the poultry intestine

Michael Kogut, USDA-ARS, USA

Innovation in monogastric animal production

Kirk Klasing, University of California, Davis, USA

Strategies to reduce feed cost and optimize feed efficiency in a volatile market

Birger Svihus, Norwegian University of Life Sciences, Norway

Recent advances in the use of feed enzymes for monogastric livestock

Olayiwola Adeola, Purdue University, USA

Blood talks: signatures, patterns and themes revealed by big data analysis of biomarkers from commercial broiler chickens

Aaron Cowiesen, DSM

Impact of mycotoxins on health and nutrition

Todd Applegate, University of Georgia, USA

Mycotoxins' dirty tricks revealed

Veronika Nagl, DSM Austria

Latest challenges and trends in mycotoxin analysis

Rudi Krska, University of Natural Resources and Life Sciences (BOKU), Austria



Let's talk future

Economic and market trends, technological advances, precision livestock farming, nutrigenomics, regulatory frameworks, the environment and ecology in animal production.

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Feedback

from 2018 World Nutrition Forum delegates



“Wonderful opportunity to learn and network.”

“The World Nutrition Forum is a great event for refocusing animal nutrition in the future.”

“Exceptionally well organized.”

“I have been to many forums, this was the best – scientifically and entertainment-wise!”

“I am looking forward to the next World Nutrition Forum!”



The Venue

Cancun International Convention Center

located right at the sparkling Caribbean Sea, it is an exceptional hotspot for hosting conferences. A world-class destination and great hospitality will provide the perfect atmosphere for our scientific program.

Cancun International Convention Center
Blvd. Kukulcan Km. 9,
Punta Cancun,
Zona Hotelera,
77500 Cancún,
Q.R., Mexico

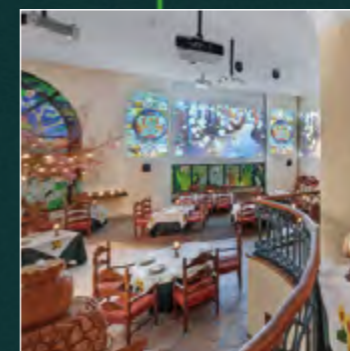
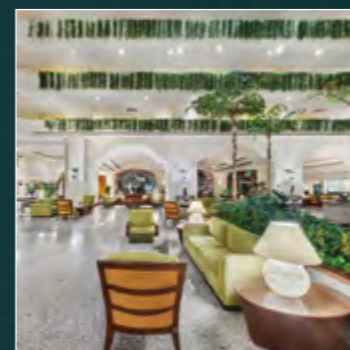
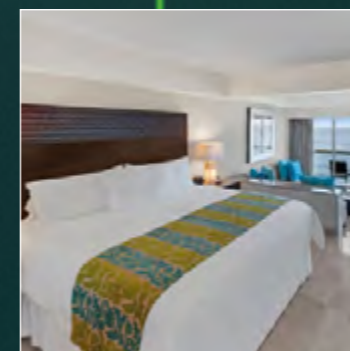


The Accommodation

Grand Fiesta Americana Coral Beach Cancún

Located at the north end of the most exclusive beach in Cancún and boasting wonderful views of the bay of Isla Mujeres, Grand Fiesta Americana Coral Beach Cancún Resort offers elegant accommodations, top service and fine cuisine, combined with a wealth of exceptional experiences.

Grand Fiesta Americana Coral Beach Cancún
Blvd. Kukulcan km. 9.5,
Punta Cancun,
Zona Hotelera,
77500 Cancún,
Q.R., Mexico





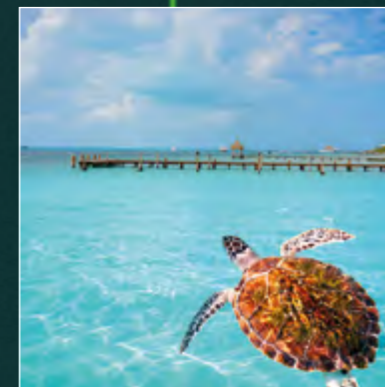
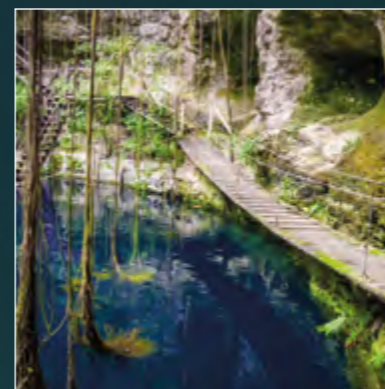
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On the Caribbean Sea



Join us on May 10 for social activities where you can enjoy the local culture, food and landscapes.

Participation to one activity including food and transportation is offered to all World Nutrition Forum delegates.

Mayan culture and soft coral sands

Cenote Exploration

Swim, snorkel or zip line through natural underground fresh water reservoirs in Cenote Zapote Eco-Park. For Mayans, this area represents Xibalba, the gateway to the underworld. Bring your swim and sun gear to enjoy the magical surroundings.

Catamaran Tour

Sail through the crystal-clear, turquoise waters of the Mexican Caribbean aboard a beautiful catamaran to reach Isla Mujeres, a colorful fishing village. Discover the underwater world with reef snorkeling or simply relax on the beach.

Tulum Express

Explore one of the last Mayan cities on a 90-minute tour of the archaeological site of Tulum. Discover the ancient buildings such as the pyramid temple of El Castillo, the Temple of the Frescoes and the Templo Dios del Viento.



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