

# 1<sup>st</sup> Symposium

## Sustainable Production of Beef Cattle

México, South Africa and Sweden  
—in an era of climate change—

April 28<sup>th</sup>,  
2023



### PROGRAM

TIME	ITEM
08:00 - 09:00	<b>REGISTRATION (LIBRARY, FACULTY OF FOREST SCIENCES, UANL)</b>
09:00 - 09:20	<b>OPENING CEREMONY (AUDITORIUM, FACULTY OF FOREST SCIENCES, UANL)</b>
09:20 - 09:40	<b>Dr. Samuel Coulbourn Flores</b> Department of Animal Breeding and Genetics Swedish University of Agricultural Sciences  TITLE: Can African cattle regenerate soils? A collaboration between Mexico, South Africa, and Sweden.
09:40 - 10:00	<b>MC Nelson Manzanares Miranda</b> CIPA / FCF UANL  TITLE: Research challenges on the use of technology in sustainable livestock production.
10:00 - 10:20	<b>Mr. Homero García de la Llata</b> President of the National Confederation of Livestock Organizations  TITLE: The production of bovine meat and sustainable practices from a comprehensive vision.
10:20 - 10:50	<b>D.Sc. Agric. Michael Matthys Scholtz</b> Agricultural Research Council, South Africa   ARC Institute of Animal Production (ARC)  TITLE: Climate-smart beef production to cope with global warming.
10:50 - 11:10	<b>Prof. Erik Bongcam-Rudloff</b> SLU-Global Bioinformatics Center Swedish University of Agricultural Sciences  TITLE: Harnessing bioinformatics to enhance precision agriculture for cattle farming in the future.
11:10 - 11:40	<b>COFFEE BREAK</b>
11:40 - 12:00	<b>Dr. Alfonso Martínez Muñoz</b> Government of the State of Nuevo León  TITLE: Impacts of the new climatic reality on the production of beef cattle in northeastern Mexico.
12:00 - 12:15	<b>M.Sc. Agric Georgette Maree Pyoos</b> Agricultural Research Council, South Africa. Institute of Animal Production Pretoria, South Africa (ARC)  TITLE: The effect of climate on the production and reproduction of different beef genotypes.
12:15 - 12:35	<b>Dr. Tomas Klingstrom</b> Swedish University of Agricultural Sciences  TITLE: Data collection, getting the data for precision farming.
12:35 - 12:55	<b>Dr. Frederick Wilhelm Cornelius Nesor</b> University of the Free State Bloemfontein, Free State, South Africa (UFS)  TITLE: Breeding goals to improve production per hectare and not per individual.
12:55 - 13:15	<b>Dr. Hugo Bernal Barragán</b> FA UANL  TITLE: Contributions of biotechnology in animal nutrition to improve the indicators of sustainable livestock systems.
13:15 - 13:30	<b>Dr. Pieter de Kock</b> Cattle Farming, Boshoffs Mountains, Limpopo Province, South Africa  TITLE: The adaptation of the Afrikaner breed: My experience
13:30 - 14:30	<b>LUNCH</b>
14:30 - 15:00	<b>Ph.D. Jorge Ramsy Kawas Garza</b> FA UANL  TITLE: Additives to reduce the impact of Greenhouse Gases (GHG) on livestock.
15:00 - 15:20	<b>M.Sc. Renaud Van Damme</b> Swedish University of Agricultural Sciences  TITLE: Metagenomics at the service of farms and the environment.
15:20 - 15:40	<b>MC. MTR. MVZ Andrea González Báez</b> FMVZ UANL  TITLE: Animal welfare. Challenges or opportunities towards a single well-being.
15:40 - 16:00	<b>Dr. Fortunato Garza Ocañas</b> FCF UANL  TITLE: Impact of climate change on livestock production: changes and adjustments
16:00 - 16:30	<b>RECOMMENDATIONS &amp; KEY MESSAGES</b>
16:30 - 16:40	<b>CLOSING CEREMONY</b>