



# ACADEMIC AGENDA



INNOVATIVE



DIGITAL ERA

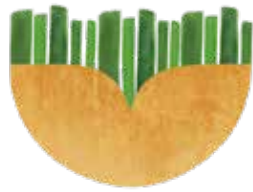


SUSTAINABLE



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**CORAZÓN  
DE CAÑA**

► In 2024, Colombia's Sugarcane Agroindustry processed over 22.1 million tonnes of sugarcane, transforming it into a variety of essential products that contribute to both economic growth and environmental sustainability:



2 million  
tonnes of sugar



406 million litres  
of bioethanol



1,876 GWh  
of electricity



6.3 million tonnes  
of bagasse, used  
for cogeneration and  
paper production



184,000 tonnes  
of final molasses



322,000 tonnes  
of organic-mineral  
fertilisers

## Colombia's Sugarcane Agroindustry: A Productive, Sustainable and Social Powerhouse

With operations in 50 municipalities across five departments, and over 239,000 hectares of cultivated land, the sector leads not only in agricultural productivity—achieving 113.9 TCH and 11.8 TAH—but also in industrial innovation, with 15 processing plants, all using cogeneration systems.

Colombian sugarcane is a benchmark for circular economy practices in agriculture, protecting water sources and ecosystems, while creating more than 286,000 direct and indirect jobs, supporting 12,000 farming families. It is a value chain that drives sustainable development in southwestern Colombia—and the country as a whole.



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Vice President of ISSCT,  
Director of Factory Processes  
Programme at Cenicaña

### Congress Vice-Chairmans:

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### Biology Commissioner:

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### Factory Commissioner:

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### Co-Products Commissioner:

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### Management Commissioner:

Dr. Freddy Fernando Garcés Obando

## Useful Information



### Tecnicaña App

Download the official congress app



### Free Wi-Fi

**Network:** ISSCT2025

**Password:** Congress2025



### Parking

We recommend that attendees reserve their parking space in advance at the **Centro de Eventos Valle del Pacífico**.



### Emergency Lines

- General Emergencies: **#123**
- Road Safety: **#767**
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- Fire Brigade: **#119**
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### Badge Policy

For safety and access control, please keep your congress badge visible at all times.



### Luggage Storage Available



### Currency exchange for euros and dollars



### Social Events

#### 24 August 2025

Opening Cocktail at the Trade Exhibition (18:00, CEVP)

#### 26 August 2025

Cultural Evening (18:00, Delirio Tent)

#### 28 August 2025

Farewell Dinner (20:00, Catering Zone)



### Venue

Valle del Pacífico Events Center  
Kilometer 1, Cali – Yumbo Road,  
Valle del Cauca, Colombia  
[www.valledelpacifico.co](http://www.valledelpacifico.co)



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

Posters   Plenary   General Discussions   Workshop   100 years

TIME		SUNDAY 24 AUGUST				
17:00		Opening of the Trade Expo followed by networking cocktails				
TIME		MONDAY 25 AUGUST				
09:00		Opening Ceremony				
10:30		Coffee/tea				
11:00	PLENARIES	AGRICULTURE 2 ROOM ▶	Keynote addresses			
			Autrey, Saumtally, Dookun-Saumtally - The First 100 Years of the International Society of Sugar Cane Technologists - 1924-2024			
			Calero, Garcés - Global challenges and opportunities in the sugarcane agroindustrial sector: lessons from Colombia			
12:30		Lunch				
		Agriculture 2	Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Biology
14:00 p.m.		100 years of Agronomy	100 years of Breeding	100 years of Factory Engineering	100 years of Co-products	100 years of Entomology
15:00	Post-release trials, a strategy to speed up varietal adoption in San Carlos Sugar Mill.		The major contribution of resistance to orange rust and yellow leaf in modern sugarcane hybrids comes from <i>Saccharum spontaneum</i> as evidenced by genome-wide association studie.	A modern energy efficient sugar complex on 26% steam consumption – concept to commissioning	Renewable energy from sugarcane.	Incorporating cultivar resistance into integrated pest management of sugarcane stemborers in Louisiana.
	 José David Palomeque Salazar, et al.	 Jean-Yves Hoarau, et al.	 Anurag Goyal, et al.	 Bryan Lavarack	 Wilson	
15:30		Coffee/ Break				



TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Biology
16:00	<p>Apparent nitrogen recovery of exogenous sources of organic matter in tropical soils: update and new coefficients to improve fertilisation in sugarcane.</p> <p> Amélie Février, et al.</p>	<p>A pathway to molecular sugarcane breeding: implementing genetic associations and genomic prediction.</p> <p> Fernando Silva Aguilar, et al.</p>	<p>Evaluation of autofiltration equipment for polarimetric analysis.</p> <p> Stephania Imbachi-Ordonez Angela Alarcón Rodríguez, et al.</p>	<p>Value-added products from vinasse.</p> <p> Germán Alberto Barrera Atuesta</p>	<p>Dynamics of <i>Diatraea</i> spp. and their parasitoids in Colombia: keys for pest management in sugarcane.</p> <p> Claudia Echeverri-Rubiano, et al.</p>
16:30	<p>A simple economic sensitivity analysis of nitrogen application rates: a case study using ratoon trials under irrigated and rainfed conditions in South Africa.</p> <p> Muhammad Kadwa, et al.</p>	<p>Genomic selection and GWAS: unlocking the potential for sustainable sugarcane agriculture.</p> <p> Karen Sarah Aitken, et al.</p>	<p>The insoluble form of starch contributes to lower sugar exhaustion from molasses during the manufacture of raw sugar.</p> <p> Stephania Imbachi Ordonez, et al.</p>	<p>Technical and environmental impact of combustion of sugarcane harvest residues at an industrial scale.</p> <p> Andrés Felipe Ospina, et al.</p>	<p>Agroecological practices and light trapping of <i>Eldana saccharina</i> (Lepidoptera: Pyralidae) as an integrated toolbox in sugarcane in the Senegal River Valley.</p> <p> François-Régis GOEBEL, et al.</p>
17:00	<p>Site-specific nitrogen management through measuring soil nitrogen to maximize yield response in sugarcane.</p> <p> Carlos Vinicio Mazariegos Tello, et al.</p>	<p>Accuracy of genomic selection in populations of the EEAOC sugarcane breeding program.</p> <p> Josefina Ralcedo, et al.</p>	<p>Applications of machine learning to estimate economic impacts of starch and dextran on sugar manufacturing.</p> <p> Dr. Isabel Lima, et al.</p>	<p>Reducing downtime in ethanol columns: a simulation-based feed strategy.</p> <p> Paola Andrea Bastidas Jiménez, et al.</p>	<p>Impact of different cultural practices on the infestation and oviposition of <i>Diatraea saccharalis</i> (Lepidoptera: Crambidae) in sugarcane in Tucumán.</p> <p> AR Salvatore, et al.</p>
17:30		<p>Genotypic values and genetic gains in sugarcane varieties for sandy soils in Florida.</p> <p> Hardev Singh Sandhu, et al.</p>	<p>Clarification of sugarcane juice with sodium metabisulphite.</p> <p> Mahendra Kumar Yadav, et al.</p>	<p>Energy optimization in a sugar alcohol mill to maximize bagasse availability and electricity cogeneration: a case study at Incauca.</p> <p> Alejandro Orozco Donneys, et al.</p>	<p>Biological corridors in sugarcane agro-landscapes: a strategy for sustainable pest management and biodiversity conservation.</p> <p> Carolina Camargo, et al.</p>





TUESDAY 26 AUGUST						
TIME	Agriculture 2		Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Biology
8:30	<div>Agronomic interventions in sub-tropical India for sustainable sugarcane cultivation and farmer empowerment.</div> <div> <b>CHANDRAKANT DIXIT, Yash Dhruv Sawhney, et al.</b></div>		<div>Inbreeding consequences on five sugarcane populations developed by the Colombian sugarcane breeding program.</div> <div> <b>Luis Orlando López, et al.</b></div>	<div>Updates to the design of high-pressure traveling-grate boilers to fire challenging biomass and vinasse.</div> <div> <b>A Tewari, et al.</b></div>	<div>Ethanol: a game changer in the Indian biofuels industry.</div> <div> <b>Sanjay Awasth, et al.</b></div>	<div>Entomology and Pathology Poster session and viewing</div>
9:00	<div>Sustaining sugarcane production in Pakistan through enhancing profitability by intercropping in spring and autumn.</div> <div> <b>Muhammad Afzal, et al.</b></div>		<div>Genetic diversity in EEAOC’s germplasm bank and assessment of a core collection.</div> <div> <b>María Francisca Perera, et al.</b></div>	<div>Valuation of the impact of the use of green-cane harvesting on the back end of bagasse boilers.</div> <div> <b>Germán A. Barrera</b></div>	<div>Performance of ethanol blending in diesel engines and its impact on emissions.</div> <div> <b>RA Chandgude, et al.</b></div>	
9:30	<div>Sustainability of sugarcane intercropping systems: assessment and prospects.</div> <div> <b>Mathias Christina, et al.</b></div>		<div>Evaluation of freeze-damaged indicators in ‘TUC’ sugarcane varieties in Tucumán.</div> <div> <b>Diego Daniel Henriquez, et al.</b></div>	<div>Industry 4.0-based strategies to reduce the deviation of undetermined losses in sugar and ethanol factories.</div> <div> <b>Natalia Alarcón, Ricaurte Larrahondo, et al.</b></div>	<div>Reduction in carbon emissions through the use of bioethanol in turbodiesel engines.</div> <div> <b>William Alexander Ojeda Muñoz, et al.</b></div>	<div>Selection of an oviposition substrate by females of the sugarcane stalk borer Eldana saccharina Walker (Lepidoptera: Pyralidae) for use in the sterile insect technique.</div> <div> <b>Lawrence Nkosikhona Malinga, et al.</b></div>
10:00	<div>Benefits of Vicia villosa in intercropping with sugarcane: analysis of spatial arrangement and yield.</div> <div> <b>Luciana Martínez Calsina, et al.</b></div>		<div>Breeding and Molecular Biology Poster session and viewing</div>	<div>DataCane by Cenicaña: optimization of efficiency and maintenance in sugarcane mills through Industry 4.0.</div> <div> <b>Julio Antonio Calpa Pantoja, et al.</b></div>	<div>Effect of molasses color on fermentation yield.</div> <div> <b>Roberto Marcelo Ruiz, et al.</b></div>	<div>Genetically modified sugarcane in combination with sterile insect releases to control Eldana saccharina: a shade house trial.</div> <div> <b>Lawrence Nkosikhona Malinga, et al.</b></div>
10:30	Coffee/ Break					
11:00	PLENARIES	<div>AGRICULTURE 2 ROOM</div>	Souza - The Brazilian sugarcane ethanol contribution to the global climate-change mitigation effort			
			Salazar, Solís - Climate change and adaptation in the sugar agroindustry: 17 case studies of best practices from Latin America			
			Capellaro Ferreira, et al. - Bonsucro’s ClimateCane Tracker, a new tool for setting science-based climate targets in sugarcane production			
		<div>Climate and Sugarcane</div>	Christophe Poser, et al. - Growing sugarcane in Corsica: a promising response to climate change in a Mediterranean environment			
12:30	Lunch					















● Posters   ● Workshop   ● 100 years

TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Biology
14:00	Agriculture Poster session and viewing	<p>A selection index based on non-sugar compounds of sugarcane juice.</p> <p> Dr. Santiago Ostengo, et al.</p>	<p>Energy savings utilising dimple tube technology.</p> <p> Darius Vicent Bezuidenhoudt, et al.</p>	<p>Roadmap for the production and implementation of green hydrogen in the Colombian sugar industry.</p> <p> Alejandro Orozco Donneys, et al.</p>	<p>Transgenic sugarcane expressing insecticidal proteins increases resistance to <i>Diatraea saccharalis</i>.</p> <p> Florencia Budeguer, et al.</p>
14:30		<p>Vegetative indices in early and late flowering sugarcane genotypes assessed by high-throughput phenotyping.</p> <p> Dr. Raffaella Rossetto, et al.</p>	<p>Reliable and accurate valve selection for pre-lime and milk of lime.</p> <p> Sharum Iqbal</p>	<p>Green hydrogen - product diversification opportunities in sugar and allied industries - a techno-economic study.</p> <p> Kakasaheb Konde, et al.</p>	<p>Unveiling sugarcane resistance to <i>Aeneolamia varia</i>: implications for pest management.</p> <p> Carolina Camargo, et al.</p>
15:00	<p>Evaluation of energycane for biomass accumulation and its ecosystem services on fallow sandy soils.</p> <p> Hardev Singh Sandhu, et al.</p>	<p>Genetic control of sucrose content among unselected progeny populations.</p> <p> Marvellous Zhou</p>	<p>Batch pan automation: energy savings and sugar quality improvements.</p> <p> Marc Vandemoortele, et al -</p>	<p>Bagasse-derived silver nanoparticles: antimicrobial and antibiofilm properties.</p> <p> Giovanna Aita, et al.</p>	Entomology section meeting and report on Entomology Workshop
15:30	Coffee/tea				
16:00	<p>Intensive use of varietal diversity for managing gaps in sugarcane: attempts and perspectives.</p> <p> Hiroo Takaragawa, et al</p>	<p>Genome size variation in complex sugarcane parental genotypes in United States sugarcane breeding.</p> <p> Dr. Andre Bueno Gama, et al</p>	<p>Assessing the impact of evaporator station configuration on the feasibility of greenfield cane factory projects.</p> <p> Omkar P Thaval.</p>	Co-products poster session and viewing	Hall 4/Agricultural Engineering
16:30	<p>Optimizing sugarcane yield through seasonal planting strategies: a field study in sub-tropical conditions.</p> <p> Sr. Chandrakant Dixit, et al.</p>	<p>Partitioning sugarcane variance components for sucrose yield in Stage I populations.</p> <p> Luis Orlando López Zuniga, et al.</p>	<p>New trends toward energy savings and cogeneration of electricity for the cane sugar industry.</p> <p> Louise Camp, et al.</p>		100 years of Agricultural Engineering




TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Agricultural Engineering
17:00	Integrating energycane on marginal lands in sugarcane production systems in Florida.   Hardev Sandhu, et al.	Germplasm and Breeding section and Molecular Biology Section meeting and report on joint Workshop	Factory Engineering and Factory Processing meetings and report on combined Factory Workshop	Co-products section meeting and report on Workshop	Smart irrigation systems combined with subsurface drip irrigation improve sugarcane yield and water-use efficiency.   Kenta Watanabe, et al
18:00	Regions' Party				

WEDNESDAY 27 AUGUST

TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Agricultural Engineering	Management 6
8:30	Calcium dynamics in sugarcane soils with high magnesium saturation in the northern Cauca River Valley.   Juan Sebastián Martínez Olaya.	100 years of Plant Physiology and Molecular Biology	Bagasse drying using boiler flue gas – waste heat recovery.   Mr. Rajesh Verma, et al.	Unveiling microbial diversity with metabarcoding: key to optimizing ethanol production.   Mabel Cristina Santander Castelo, et al.	Optimizing water management to improve crop yield, water productivity, and economic benefit in sugarcane irrigated by a central pivot in the Cauca River Valley.   Elkin Geovanni Sánchez Roncancio, et al	100 years of Management
9:00	The carbon footprint of sugarcane cultivation using drip irrigation in Tucumán.   Mario Javier Tonatto, et al.		Extreme drying of bagasse in a drying mill: new concepts for the future of milling.   José Jair Sánchez Aguirre, et al.	Scaling-up the conversion of sugarcane bagasse to 5-chloromethylfurfural as a platform chemical.   Darryn Wallace Rackemann, et al.	Effect of soil-tillage practices on water use in irrigated sugarcane cultivation.   Pedro Francisco Sanguino Ortiz, et al	
9:30	Total enzyme activity as a microbiological indicator of soil irrigated with vinasse.   Carolina Sotomayor, et al.	Sustainable sugarcane: developing varieties resilient to pests and climate change through genetic transformation and genome editing.   Jershon López Gerena, et al.	Automatic handling of soft cane in the factory.   Geoffrey Alan Kent, et al.	Valorization of sugarcane stillage by extraction of aconitic acid.   Jenny Wu-Tiu-Yen, et al.	Relationship between sugarcane area zoning by production levels and soil fertility in Tucumán province, Argentina, using geotechnologies.   Carmina del Valle Fandos, et al.	The Sugarcane that Inspires Us, innovation for sustainability.   Freddy Fernando Garcés Obando, et al.



● Plenaries ● Workshop ● 100 years

TIME	Agriculture 2		Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Agricultural Engineering	Management 6
10:00	<p>Advancing sugarcane sustainability: integrating gamma-irradiated chitosan as a tool for climate resilience.</p> <div> Dr. Sunil G. Dalvi, et al.</div>		<p>Genetic understanding of drought tolerance in sugarcane.</p> <div> John Jaime Riascos Arcos, et al.</div>	<p>Addressing impurity impacts on sugar production: a comprehensive approach to improve sucrose recovery.</p> <div> Lina Marcela Arévalo Hurtado, et al</div>	<p>Spearheading sustainability in sugarcane processing through byproduct conversion into biochar for increased cane yields.</p> <div> Isabel M. Lima, et al</div>	<p>Quality of mechanized harvesting in the Cauca River Valley.</p> <div> Samuel Andrés Galeano, et al</div>	<p>75 years of the sugarcane sector in Pakistan: milestones, challenges, and transformative prospects.</p> <div> DR. Shahid Afghan, et al.</div>
10:30	Coffee/ Break						
11:00	PLENARIES	AGRICULTURE 2 ROOM	Riascos - Genomics in sugarcane breeding: from complexity to opportunity				
			Butterfield - Genetically modified sugarcane – history and status				
		Molecular Biology	Jones - Genomics and crop improvement: focus on gene editing and its regulation				
12:30	Lunch						
14:00	Agronomy and Ag Engineering sections meeting and report on combined Agriculture Workshop		<p>The complex polyploid genome architecture of sugarcane: genome assembly and origin of cultivar R570.</p> <div> Angélique D’Hont , et al.</div>	100 years of Factory Processing	<p>Gasification of harvest residues as a sustainable energy alternative in the sugarcane agroindustry of Tucumán, Argentina.</p> <div> Federico José Franck Colombres, et al.</div>	<p>Challenges farmers face in farming with data.</p> <div> Arvind Chudasama</div>	<p>Sustainability studies in small-scale sugarcane growers in Tucumán, Argentina: the GIRSAR Program.</p> <div> Mario Javier Tonatto, et al</div>
14:30	<p>Scientific and participatory research strategies towards better sugarcane quality management in South Africa.</p> <div> Dr Philippus Daniel Riekert van Heerden, et al.</div>	<p>Using the Axiom SNP array for comparative mapping across four Australian sugarcane varieties.</p> <div> Karen Aitken, et al.</div>	<p>Adding alkaline metal oxides to boost the gasification reactions of sugarcane bagasse.</p> <div> Marcos Antonio Golato, et al.</div>		<p>Actual harvester extractor cane loss: the elephant we can no longer ignore.</p> <div> Christopher Paul Norris, et al.</div>	<p>Collaborative innovation in the sugar-energy sector.</p> <div> Gerónimo Courel, et al</div>	

TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Co-products	Hall 4/Agricultural Engineering	Management 6
15:00	<p>Fertilization Advisory System (SEF 3.0) by Cenicaña: a holistic tool for efficient management of fertilizers.</p> <p> Julián David Ome Narvaez, et al.</p>	<p>Genetic and hormonal regulation of plant height in sugarcane: QTL mapping and functional insights into gibberellin-driven growth.</p> <p> Muqing Zhang, et al. -</p>	<p>Profiles of massecuite conductivity and dry substance for controlling A and B massecuite production.</p> <p> Darryn Rackeman, et al.</p>	<p>Sugarcane and ethanol co-products for lactic acid production using a native bacterium from a Colombian biorefinery.</p> <p> Darly Silvana Parrado, et al.</p>	<p>Actual harvester extractor cane loss: the elephant we can no longer ignore.</p> <p> Christopher Paul Norris, et al.</p>	<p>Agroportunity: a tool for field decision-making and its impact on sugarcane production at Riopaila Agrícola and Castilla Agrícola S.A.</p> <p> Leonardo Andrés López Trujillo, et al.</p>
15:30	Coffee/ Break					
16:00	<p>Effect of trinexapac-ethyl on seedcane quality to improve stand establishment in sugarcane.</p> <p> Hardev Singh Sandhu, et al.</p>	<p>Quantification of transgene copies in genetically modified borer-resistant sugarcane.</p> <p> Dr. Shailesh Joshi, et al.</p>	<p>Assessing the carbon footprint of industrial equipment: a case study in cane sugar processing.</p> <p> Jessica Lenis Abril, et al</p>	<p>Upscaling the production of potassium sulphate from stillage.</p> <p> Washington Mutatu, et al.</p>	<p>Performance of the chopper system with different numbers of blades based on the quality of the raw material delivered to the factory.</p> <p> José Leudin Giraldo Lotero, et al</p>	<p>Grower economic data the key to lobbying for grower financial sustainability in times of industry uncertainty and high input costs.</p> <p> Ikageng Maluleke, et al.</p>
16:30	<p>Velásquez- Increase in millable biomass through foliar application of gibberellic acid, seaweed, and amino acids in sugarcane.</p> <p> Oscar Patiño Giraldo, et al.</p>	<p>CRISPR/Cas9 mediated homology directed repair enables precise modification in sugarcane ALS gene.</p> <p> Gisela Giampaoli, et al</p>	<p>Improvement in recovery and quality of sugar by adopting phosph flotation decolorization and ion-exchange resin with decanter technology.</p> <p> Anurag Goyal, et al.</p>	<p>Transforming waste into resources: the potential of sugarcane bagasse ash as a sustainable additive in manufacturing ceramic bricks.</p> <p> Miguel Fernando Díaz Huertas, et al.</p>	<p>Chopping quality in harvesting: its relationship with sucrose loss and operational efficiency.</p> <p> María Alejandra Gómez, et al.</p>	<p>A reliable journey towards operational excellence in the sugarcane industry: Ingenio Trinidad's case.</p> <p> María Alejandra Martínez Delgado, et al</p>
17:00	<p>Soil-health status and evaluating the use of soil-health promoters to improve sugarcane productivity in Mauritius.</p> <p> Sumantlall Seeruttun, et al.</p>	<p>Sugarcane lines expressing the sunflower transcription factor HAHB11 have improved tolerance to abiotic stresses.</p> <p> Florencia Budeguer, et al.</p>	<p>Factory poster session and viewing</p>	<p>Influence of twin-screw extrusion pretreatment on the properties of sugarcane bagasse-based materials obtained by thermocompression.</p> <p> Julie Cavailles, et al.</p>	<p>A guide to efficient field designs to maximize sugarcane crop productivity.</p> <p> Luís Eduardo González Buritica, et al</p>	<p>General discussion and Management Commission meeting</p>
17:30		<p>Pathology section meeting and report on Pathology Workshop</p>		<p>A model for estimating color increase in refined sugar during storage.</p> <p> Rafael Oswaldo Renderos López</p>	<p>Irrigation management strategies for improving water-use efficiency in sugarcane.</p> <p> Mansour Noori</p>	


















THURSDAY 28 AUGUST

TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Factory	Hall 4/Agricultural Engineering	Management 6
8:30	<p>Good experimental practices in weed research at eRcane: organization and results.</p> <p> Vivien Preschoux, et al.</p>	<p>100 years of Plant Pathology</p>	<p>An improved electric drive for sugarcane preparation machines.</p> <p> Dr. Vinay Kumar, et al.</p>	<p>Application of antimicrobial agents at minimum inhibitory concentration values for optimal control of microbial isolates from Louisiana sugarcane factories.</p> <p> Dr. Giovanna Aita, et al</p>	<p>Sectoral collaboration for technological sustainability: The GNSS RTK network in the sugar agro-industry.</p> <p> Jaime Hernán Caicedo Angel, et al.</p>	<p>A successful peace and sustainability laboratory in the Colombian sugarcane agroindustry (dialogue with ethnic and rural communities).</p> <p> Juan Pablo Coral, et al.</p>
9:00	<p>Early-season fall panicum (<i>Panicum dichotomiflorum</i>) control and sugarcane tolerance to a premix of atrazine, mesotrione and S-metolachlor.</p> <p> Calvin Otero, et al</p>		<p>Integration of tribological analysis and machine-learning models to increase the useful life of hammers in sugarcane shredder.</p> <p> Julián David Montes, et al.</p>	<p>Reduced microbial sucrose losses in clarification and filtration: improving mud filtration with an innovative cleaning system.</p> <p> Gloria Carolina Prieto Correal, et al.</p>	<p>Potential for the use of machine learning in sugarcane production in Thailand: a review.</p> <p> Somwang Leekar, et al</p>	<p>Development of climate-based innovation solutions for a resilient and sustainable sugarcane industry.</p> <p> Hector Alberto Chica Ramírez, et al -</p>
9:30	<p>Tolpyralate: a promising alternative for post-emergent management of bermudagrass (<i>Cynodon dactylon</i>).</p> <p> Agustín Sánchez Ducca, et al.</p>	<p>Importance of partnerships in monitoring and managing diseases in the South African sugarcane industry.</p> <p> Sharon McFarlane, et al.</p>	<p>Energy optimization through cogeneration and trigeneration in a vinasse drying plant.</p> <p> Germán Alberto Barrera Atuesta</p>	<p>Microbial control from concurrent application of enzymes and antimicrobial agents on sugarcane processing bacteria and exopolysaccharides.</p> <p> Dra. Giovanna Margarita Aita, et al</p>	<p>A digital methodology for soil mapping and assessment to calculate the organic carbon reserve.</p> <p> Óscar Javier Munar Vivas, et al.</p>	<p>Carbon footprint of sugarcane farming in Colombia: enhancing crop sustainability.</p> <p> Sandra Lorena Alarcón, et al.</p>
10:00	<p>Analysis of the diversity and abundance of weeds in sugarcane crops.</p> <p> María Fernanda Martínez-Rivera, et al.</p>	<p>Chemical and plant-defense activator-based approaches to combat red rot caused by <i>Colletotrichum falcatum</i> in sugarcane.</p> <p> Waqas Raza Arshad, et al.</p>	<p>Innovative technology based on mechanical vapour recompression for energy-efficient sugarcane processing.</p> <p> V Verma, et al.</p>	<p>A remote monitoring and advisory system.</p> <p> SM Rao, et al.</p>	<p>A machine-learning approach for estimating mineral trash in sugarcane processing through turbidity measurements.</p> <p> Julián David Montes Posso, et al.</p>	<p>Bird conservation and its impact on sugarcane sustainability in the Cauca River Valley.</p> <p> Freddy Fernando Garcés Obando, et al</p>
10:30	Coffee/Break					

11:00	PLENARIES	AGRICULTURE 2 ROOM ▶	Hilbert - The Era of AI Agents: the path taken and the course at play				
		Artificial Intelligence	Fraga - Intelligent control strategies in agro-industrial systems: real-time optimization at Iracema Mill				
12:30	Lunch						
TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Factory	Hall 4/Agricultural Engineering	Management 6	
14:00	Weed interference in sugarcane crops.	EEOC Vitroplants Project: the importance of phytosanitary diagnosis and its impact on the health status of commercial sugarcane fields in Tucumán, Argentina.	ICUMSA® Laboratory Solution Colour versus real-time colour measurement for process control.	Process improvements at a plantation white sugar plant.	Use of Synthetic Aperture Radar images to assess soil moisture in cane crops: practical implications in agricultural operation.	The value of Communities of Practice within the sugarcane value chain – a case study of SUSFARMS® in South Africa.	
	 Julián Fernando Mateus-Rodríguez, et al.	 Constanza María Joya, et al.	 Bjarne Christian Nielsen	 Mullapudi Narendranath	 Diego Fernando Angrino Chiran , et al.	 Michelle Binedell, et al.	
14:30	Evaluation of water quality for irrigation in sugarcane.	Status of red stripe disease in Tucumán, Argentina, in the last four years.	Unleash the power of digital tools: process development and scale-up for chromatography units assisted by Perform 4.0.	Analytics model for predicting sucrose content in sugarcane using machine-learning techniques.	Integration of multispectral and SAR data with machine-learning algorithms for real-time monitoring and forecasting of sugarcane ripening.	Importance of learning and development in the improvement of productivity and employee engagement in Triveni Engineering and Industries Limited.	
	 Laura Eleanor Collazos Rivera, et al.	 Constanza María Joya, et al.	 Jessica LENIS-ABRIL, et al.	 Paula Marcela Valencia Ramírez	 Samuel Daniel Lup Haruta, et al.	 Girish Kohli, et al.	
15:00	Field-based prediction of sugarcane photosynthesis through environmental inputs.	Genome-wide association analysis for the identification of SNPs related to resistance to orange rust, Puccinia kuehnii.	CeniCristal: a tool to enhance sucrose recovery through reliable monitoring of crystal size and growth.	Developments in wastewater treatment and reuse in the sugar industry: drivers, challenges and implications.	A deep-learning approach for in-field estimation of sugarcane weight.	Poster viewing and discussion	
	 Rafael Leonardo de Almeida, et al.	 Eliana Andrea Rincón, et al	 Juan Gabriel Rodríguez Sarasty, et al	 Deepali Nimbalkar, et al.	 Luis Eduardo González Buritica, et al.		
15:30	Coffee/Break						

● General discussions

TIME	Agriculture 2	Biology 5	Factory 1	Hall 3 / Factory	Hall 4/Agricultural Engineering	Management 6
16:00	<p>Measuring Brix directly in the sugarcane stalk with a regenerative plant sensor.</p> <p> Dr. Andre Bueno Gama, et al.</p>	<p>Association mapping and localization of molecular markers linked to resistance in sugarcane to brown rust.</p> <p> Josefina Racedo, et al.</p>	<p>Efficiency optimization of a high-pressure co-generation plant at Ponni Sugars Erode.</p> <p> R Chandrasekaran, et al.</p>	<p>An improved process in cane sugar production with a softening ion-exchange step for major gains.</p> <p> Phelipe Czulniak, et al.</p>	<p>A SAFER model for accurately estimating actual evapotranspiration in sugarcane using Sentinel-2.</p> <p> Alberto M. Arroyo Avilez, et al -</p>	<p>Strategies for the development of sugarcane ecotourism in Veracruz.</p> <p> Ing. Manuel Enriquez Poy, et al</p>
16:30		<p>Is Aceria sacchari the most likely vector of sugarcane streak mosaic virus?.</p> <p> Dr. Jean Heinrich Daugrois, et al.</p>	<p>An innovative way for steam economy and capacity expansion by integrating an MVR in an evaporation scheme.</p> <p> Harsh Vardhan, et al.</p>	<p>Pan operation optimization with an online optical crystallization monitoring system.</p> <p> Harjeet Singh Bola, et al.</p>	<p>Integration of optical and radar satellite images for sugarcane monitoring in the Cauca Valley.</p> <p> Alejandro Mestre Quereda, et al.</p>	<p>Implementation of a whistleblowing policy in Triveni Engineering and Industries Limited for good corporate governance.</p> <p> Girish Kohli</p>
17:00		<p>Effects of desert phyto-extracts on whip development in sugarcane smut.</p> <p> Nasir Ahmed Rajput, et al.</p>	<p>Enhancing efficiency in the sugar industry: the role of mechanical vapor recompression (MVR) technology in optimizing energy consumption.</p> <p> Orlando Parra Ruiz, et al.</p>	<p>Direct cane analysis: a comparison of the hydraulic press and wet disintegration methods.</p> <p> María Alejandra Gómez, et al.</p>	<p>Data-driven agricultural management and technology use for risk assessment in sugarcane crop management.</p> <p> Joel Morales Lemus, et al.</p>	<p>General discussion</p>
18:00	Closing ceremony and dinner					





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# POSTERS



# Biology Commission

## TUESDAY 26 AUGUST

TIME	SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4
8:30 - 8:40	<p><b>Pathology</b> Genomic insights into new isolates of <i>Acidovorax avenae</i> causing red stripe in northwestern.</p> <p> Luciana Martínez Calsina, et al</p>	<p><b>Entomology</b> The biostimulant Howler® as a protectant against <i>Diatraea saccharalis</i> in sugarcane field trials.</p> <p> Santiago Ostengo, et al.</p>	<p><b>Pathology</b> Development of internal transcribed spacer based molecular markers to identify <i>Colletotrichum falcatum</i> causing sugarcane red rot.</p> <p> Dr. Shahid Afghan, et al.</p>	<p><b>Pathology</b> Most feasible diagnostic technique for the detection of <i>Leifsonia xyli</i> subsp. <i>xyli</i> infecting sugarcane in Cuba.</p> <p> Yaquelin Puchades Izaguirre, et al.</p>
8:40 - 8:50	<p><b>Pathology</b> Monitoring the incidence and distribution of sugarcane smut in Colombian sugarcane fields.</p> <p> Lederson Gañán-Betancur, et al.</p>	<p><b>Pathology</b> A continuous improvement approach in the production of sugarcane vitroplants at the EEAO.</p> <p> María Francisca Perera, et al.</p>	<p><b>Pathology</b> Sugarcane mild mosaic virus in commercial varieties and advanced lines in Florida.</p> <p> Dr. Andre Gama, et al.</p>	<p><b>Pathology</b> Assessment of brown rust and smut resistance trials for rating Cuban commercial sugarcane cultivars.</p> <p> Yaquelin Puchades Izaguirre, et al.</p>
8:50 - 9:00	<p><b>Pathology</b> Yield indicators affected by ratoon stunting disease in sugarcane varieties planted in northern.</p> <p> María Luz Nanni, et al</p>	<p><b>Pathology</b> Vitropathogen control in EEAO's sugarcane micropropagation scheme.</p> <p> María Francisca Perera, et al</p>	<p><b>Pathology</b> Development of a real-time singleplex and multiplex PCR diagnostic assay for detecting sugarcane pathogens and optimization of nucleic acid extraction methods.</p> <p> Andre Bueno Gama, et al.</p>	<p><b>Pathology</b> A Guide to Sugarcane Diseases: new edition.</p> <p> Philippe Rott , et al.</p>












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# Poster Room

## TUESDAY 26 AUGUST










TIME	SCREEN 5	SCREEN 6	SCREEN 7
8:30 - 8:40	<p><b>Pathology</b></p> <p>Sugarcane disease risk assessment in two regions of Cuba.</p> <p> Mérida Rodríguez-Regal, et al.</p>	<p><b>Entomology</b></p> <p>PSP1 biostimulant enhances sugarcane resistance to <i>Diatraea saccharalis</i> under controlled conditions and activates defense signaling pathways.</p> <p> Florencia Budeguer, et al</p>	<p><b>Entomology</b></p> <p>Identifying reservoirs hosting <i>Eldana saccharina</i> (Lepidoptera: Pyralidae), a pest of sugarcane in Senegal.</p> <p> François-Regis Goebel, et al.</p>
8:40 - 8:50	<p><b>Pathology</b></p> <p>Incidence of diseases and animal pests in sugarcane on the Dagoberto Rojas farm.</p> <p> Mérida Rodríguez-Regal, et al.</p>	<p><b>Entomology</b></p> <p>Stalk damage as an indicator of borer infestation and sucrose loss.</p> <p> Ing. Diana Marcela Campo Nuñez, et al.</p>	<p><b>Entomology</b></p> <p>Economic and environmental assessment of chlorantraniliprole and methoxyfenozide for the management of <i>Diatraea saccharalis</i> in sugarcane in Tucumán.</p> <p> María Lucia del Pilar Pérez, et al.</p>
8:50 - 9:00	<p><b>Pathology</b></p> <p>Cryo- and osmo-therapy to eliminate viruses from infected sugarcane.</p> <p> Dr. Sandra Snyman, et al.</p>	<p><b>Entomology</b></p> <p>Influence of soil conditions on white grub infestations: a case study in northern Tanzania.</p> <p> Quentin Roger Daniel Macé, et al.</p>	<p><b>Entomology</b></p> <p>Effect of important weeds of sugarcane on the oviposition preference of <i>Diatraea saccharalis</i>.</p> <p> Analía Ruth Salvatore, et al.</p>





## Biology Commission











### TUESDAY 26 AUGUST

TIME	SCREEN 1	SCREEN 2	SCREEN 3
10:00 - 10:10	<p><b>Germplasm and Breeding</b> Evaluation of brown and orange rust resistance genes in sugarcane through molecular markers.</p> <p> <b>Thiago Willian Almeida Balsalobre, et al.</b></p>	<p><b>Germplasm and Breeding</b> The crucial role of the EEAOC breeding program: varietal diversification in the sugarcane area of Tucumán, Argentina in the last 10 years.</p> <p> <b>Diego Daniel Henrique, et al.</b></p>	<p><b>Germplasm and Breeding</b> Scaling of temporary immersion systems to produce clean seed cane for northern.</p> <p> <b>Rebeca Tamara Occhionero et al.</b></p>
10:10 - 10:20	<p><b>Germplasm and Breeding</b> A calibration curve for predicting sucrose content of sugarcane using NIR spectroscopy directly in the field.</p> <p> <b>Thiago Willian Almeida Balsalobre, et al.</b></p>	<p><b>Germplasm and Breeding</b> Impact of sugarcane smut in the EEAOC sugarcane breeding selection process during the last 10 years.</p> <p> <b>Diego Daniel Henrique, et al.</b></p>	<p><b>Germplasm and Breeding</b> Association between vegetative indices evaluated in a sugarcane breeding population.</p> <p> <b>Gustavo Jacobassi, et al.</b></p>
10:20 - 10:30	<p><b>Germplasm and Breeding</b> Yield performance and environmental adaptability of cultivar TUC 03-12 analyzed by two statistical approaches.</p> <p> <b>Santiago Ostengo, et al.</b></p>	<p><b>Germplasm and Breeding</b> Retrospective analysis of progenitors in the sugarcane breeding program of Estación Experimental Agroindustrial Obispo Colombres from 1998 to 2020.</p> <p> <b>Dra. Josefina Racedo, et al.</b></p>	<p><b>Germplasm and Breeding</b> Varietal diversity in sugarcane cultivation: a key factor in productivity sustainability.</p> <p> <b>Yohana Patricia Melo Hernandez, et al.</b></p>



# Poster Room



TUESDAY 26 AUGUST				
TIME	SCREEN 4	SCREEN 5	SCREEN 6	SCREEN 7
10:00 - 10:10	<b>Germplasm and Breeding</b> Updating SASEL software: intelligent data management to support the Cuban sugarcane breeding program. <div>  <b>Yaquelin Puchades Izaguirre, et al.</b> </div>	<b>Molecular Biology</b> Molecular analysis of three sugarcane varieties with in-vitro induced mutations. <div>  <b>Madhavi V Purankar, et al.</b> </div>	<b>Molecular Biology</b> SNP variability in the sugarcane caffeic acid O-methyltransferase (COMT): a key gene for lignin biosynthesis. <div>  <b>Luciana Martínez Calsina, et al</b> </div>	<b>Pathology</b> Current status of sugarcane smut in Tucumán, Argentina - evaluation of genetic resistance and fungicide applications as control strategies. <div>  <b>Constanza María Joya, et al.</b> </div>
10:10 - 10:20	<b>Germplasm and Breeding</b> Brix and stalk number associated with sugarcane productivity in different edaphoclimatic conditions in Brazil. <div>  <b>Rafaella Rossetto, et al.</b> </div>	<b>Molecular Biology</b> ScGID2 regulates gibberellin signaling and stem elongation in sugarcane through interactions with ScGAI and ScASK1. <div>  <b>Muqing Zhang, et al.</b> </div>	<b>Germplasm and Breeding</b> In vitro mutagenesis for enhancing genetic variability in Argentin sugarcane cultivars. <div>  <b>Luciana Martínez Calsina</b> </div>	<b>Pathology</b> Histological damage caused by Acidovorax avenae subsp. avenae in sugarcane and the efficacy of a plant defense inducer to control red stripe disease. <div>  <b>Constanza María Joya, et al.</b> </div>
10:20 - 10:30	<b>Germplasm and Breeding</b> Automation of artificial photoperiod in the north of Argentina. <div>  <b>Ing. Agr. Fernando Yañez Cornejo, et al.</b> </div>	<b>Molecular Biology</b> Photosynthetic responses of energy cane and sugarcane to ozone. <div>  <b>MSc. Tamires, Martins, et al.</b> </div>		

TUESDAY 26 AUGUST			
TIME	SCREEN 1	SCREEN 2	SCREEN 3
14:00 - 14:10	<b>Agricultural Engineering</b> A methodology to determine the proportion of furrow deformation in newly harvested sugarcane fields. <div>  <b>Sebastián Anderson Guerrero, et al.</b> </div>	<b>Agricultural Engineering</b> Site-specific precision agriculture to improve production in sugarcane. <div>  <b>Marco Giron</b> </div>	<b>Agronomy</b> Use of a Vegetation Activity Index for evaluating commercial-scale treatments in sugarcane. <div>  <b>Raffaella Rossetto, et al.</b> </div>
14:10 - 14:20	<b>Agricultural Engineering</b> Eco-friendly LiDAR drone surveying for sugarcane land-leveling in the Cauca River Valley. <div>  <b>Alexander Mauricio Caballero Rodríguez, et al.</b> </div>	<b>Agricultural Engineering</b> Correcting furrow shape in sugarcane. <div>  <b>Marco Giron</b> </div>	<b>Agronomy</b> Efficacy of using calcium and magnesium oxides of different granularities in ratoon sugarcane. <div>  <b>Raffaella Rossetto, et al.</b> </div>
14:20 - 14:30	<b>Agricultural Engineering</b> Towards smart agriculture: the role of IoT in agro-industrial sustainabilty. <div>  <b>Julián Eduardo Antía, et al.</b> </div>	<b>Agricultural Engineering</b> Using a portable MicroNIR as a key tool for the sugarcane industry. <div>  <b>Italsa Clynes, Carlos Clynes</b> </div>	<b>Agronomy</b> Impact of pre-harvest burning on the carbon footprint of sugarcane produced in the state of São Paulo. <div>  <b>Nilza Patrícia Ramos, et al.</b> </div>
14:30 - 14:40	<b>Agricultural Engineering</b> Increasing sugarcane productivity at Hacienda Génova through the implementation of an efficient irrigation system. <div>  <b>Alejandro Durán Sanclemente, et al.</b> </div>	<b>Agricultural Engineering</b> Innovations for weed control in organic sugarcane. <div>  <b>José Luis Durán Orejuela, et al.</b> </div>	<b>Agricultural Engineering</b> AI management with the NAX tool for the optimization of sucrose, biomass, soil, and costs at Ingenio Pichichi S.A. <div>  <b>Ana María Guerrero, et al.</b> </div>
14:40 - 14:50	<b>Agronomy</b> Drought stress 'memory' increases cane yield and juice quality of field-grown sugarcane. <div>  <b>Rafael Vasconcelos Ribeiro, et al.</b> </div>	<b>Agronomy</b> Agroclimatic zoning of sugarcane areas in Cuba. <div>  <b>Mérida Rodríguez Regal, et al.</b> </div>	<b>Agronomy</b> Effect of three biostimulants on reducing herbicide damage in sugarcane cultivation. <div>  <b>María Fernanda Martínez-Rivera, et al.</b> </div>

# TUESDAY 26 AUGUST








TIME	SCREEN 4	SCREEN 5	SCREEN 6	SCREEN 7
14:00 - 14:10	<p><b>Agricultural Engineering</b> Mitigating soil compaction during sugarcane ratoons by managing the subsoil under residue retention.</p> <p> <b>Pedro Francisco Sanguino Ortiz, et al.</b></p>	<p><b>Agronomy</b> Efficacy of biostimulants on sugarcane growth and yield under saline-sodic conditions in Zimbabwe.</p> <p> <b>Tendai Polite Chibarabada, et al</b></p>	<p><b>Agronomy</b> Soil bioindicators under contrasting sugarcane postharvest residue management systems.</p> <p> <b>Lucrecia Carolina Ludueña, et al.</b></p>	<p><b>Agronomy</b> Effect of hydrothermal treatments on isolated sugarcane buds.</p> <p> <b>Mullapudi Narendranath, et al.</b></p>
14:10 - 14:20	<p><b>Agricultural Engineering</b> Sucrose losses from the field to the mill in a sugar mill in southwestern.</p> <p> <b>María Camila Cardozo Guzmán, et al.</b></p>	<p><b>Agronomy</b> Water footprint of sugarcane cultivation in Tucumán.</p> <p> <b>Patricia Garolera De Nucci, et al.</b></p>	<p><b>Agronomy</b> Optimizing sugarcane planting time for enhanced tillering and yields in Florida.</p> <p> <b>Dr. Hardev Sandhu, et al.</b></p>	
14:20 - 14:30	<p><b>Agricultural Engineering</b> Good practices in mechanical harvesting: modified discs and base cutting blades.</p> <p> <b>Henry Bladimir Tarapues Ipial, et al.</b></p>	<p><b>Agronomy</b> Optimization of phosphorus management in sugarcane in Tucumán, Argentina: results in plant cane and first ratoon.</p> <p> <b>Juan Ignacio Romero, et al.</b></p>	<p><b>Agronomy</b> Effect of urea fertilization timing and application rates on quantitative and qualitative traits of sugarcane variety CP69-1062.</p> <p> <b>Reza shahvali</b></p>	
14:30 - 14:40	<p><b>Agronomy</b> Optimizing sugarcane physiology and quality with Ascophyllum nodosum extract: an effective tool for commercial crop management.</p> <p> <b>Cleiton José Alves, et al.</b></p>	<p><b>Agronomy</b> Integrating companion leguminous crops in ratoon sugarcane production in Mauritius.</p> <p> <b>Dr. Suman Seeruttun, et al.</b></p>	<p><b>Agronomy</b> Effect of trash mulching on water-use efficiency of sugarcane.</p> <p> <b>PP Shinde</b></p>	
14:40 - 14:50	<p><b>Agronomy</b> Characterization of the soil degradation factors in areas planted with sugarcane in Cuba.</p> <p> <b>Yudith Viñas-Quintero, et al.</b></p>	<p><b>Agronomy</b> Effect of suspending irrigation on the quality, quantity and water consumption in early sugarcane varieties in Iran.</p> <p> <b>Mansour Noori, et al.</b></p>	<p><b>Agronomy</b> Foliar application of boron and molybdenum on growth and sucrose accumulation in sugarcane variety CC 05-430 in the Cauca River Valley.</p> <p> <b>Víctor Manuel Velázquez Ocampo, et al.</b></p>	





# Coproducts Commission

## TUESDAY 26 AUGUST











TIME	SCREEN 1	SCREEN 2	SCREEN 3
16:00 - 16:10	<p><b>Coproducts</b></p> <p>Measurement of higher heating value in cane bagasse using NIR spectroscopy in a sugar mill in southwestern.</p> <div><p>María Camila Cardozo Guzmán, et al</p></div>	<p><b>Coproducts</b></p> <p>Production of an octane booster from sugarcane bagasse.</p> <div><p>HA Shalageh, et al.</p></div>	<p><b>Coproducts</b></p> <p>Classifying lignocellulosic biomass from Tucumán for energy production.</p> <div><p>Marcos Antonio Golato, et al</p></div>
16:10 - 16:20	<p><b>Coproducts</b></p> <p>Opportunities for the production of compressed biogas (CBG) in sugar and allied industries.</p> <div><p>Kakasaheb Konde, et al</p></div>	<p><b>Coproducts</b></p> <p>Characterizing sugarcane co-products and their biochars: effects on resulting properties and functionality.</p> <div><p>Isabel M Lima, et al.</p></div>	<p><b>Coproducts</b></p> <p>Effect of heating on color and fermentable sugars in final molasses.</p> <div><p>Roberto Marcelo Ruiz, et al</p></div>
16:20 - 16:30	<p><b>Coproducts</b></p> <p>Culture medium design and kinetics of single-cell protein production from Candida utilis.</p> <div><p>Darly Silvana Parrado Saboyá, et al.</p></div>		





# Factory Commission








## WEDNESDAY 27 AUGUST

TIME	SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4
16:30 - 16:40	<p><b>Factory Engineering</b> Application of near-infrared spectroscopy in the Louisiana sugarcane industry.</p> <p> <b>Stephania Imbach-Ordonez, et al</b></p>	<p><b>Factory Engineering</b> Revamping cooling water treatment to enhance system integrity at Providencia's Distillery.</p> <p> <b>Paola Andrea Bastidas Jiménez, et al</b></p>	<p><b>Factory Processing</b> The road to Sugar Factory 4.0.</p> <p> <b>Steve Davis, et al.</b></p>	<p><b>Factory Processing</b> Efficiently transforming Ingenio Pichichi: the impact of the deaerator on reducing corrosion, increasing boiler feedwater temperature, and enhancing efficiency.</p> <p> <b>Manuel Alejandro León Ibarra</b></p>
16:40 - 16:50	<p><b>Factory Processing</b> Novel methodology to quantify extraneous matter in shredded sugarcane using near-infrared spectroscopy.</p> <p> <b>Stephania Imbach-Ordonez, et al</b></p>	<p><b>Factory Engineering</b> Improvements in the heating and evaporator stations in a mill in Tucumán.</p> <p> <b>Federico José Granck Colombres ó M. Carolina Cruz, et al</b></p>	<p><b>Factory Processing</b> Coffee husk as an alternative biofuel for bagasse-fired boilers.</p> <p> <b>Fredy Julian Muñoz Muñoz, et al.</b></p>	
16:50 - 17:00	<p><b>Factory Processing</b> New insights on the identification of oligo/polysaccharides causing elongation of raw-sugar crystals.</p> <p> <b>Stephania Imbach-Ordonez, et al</b></p>	<p><b>Factory Processing</b> Direct and indirect effects of climate change on sugar quality and storage stability: the case of the Brazilian 2024/25 season.</p> <p> <b>Pietro Sica, et al.</b></p>	<p><b>Factory Processing</b> White sugar production without the use of decolorizing agents.</p> <p> <b>Lidia Margarita Amaya de León V</b></p>	

# Poster Room



WEDNESDAY 27 AUGUST












TIME	SCREEN 1	SCREEN 2	SCREEN 3
17:00 - 17:10	<div><div>Factory Processing</div><div>Optimized application of dextranase at low doses and retention times to hydrolyse dextran in sugarcane juice.</div><div> Gillian Eggleston, et al.</div></div>	<div><div>Factory Processing</div><div>Optimization of a direct method for quality evaluation in sugarcane and by-products in Tucumán, Argentina.</div><div> Natalia Raquel Sorol, et al.</div></div>	<div><div>Factory Engineering</div><div>Evaluation of fibrous sorghum for as an alternative fuel in bagasse boilers in Tucumán, Argentina.</div><div> Marcos Antonio Golato, et al.</div></div>
17:10 - 17:20	<div><div>Factory Processing</div><div>Sulphur-free sugar production with diversion of syrup and B-heavy molasses to a distillery - a case study.</div><div> Veerababu,et al</div></div>	<div><div>Factory Processing</div><div>Benchmarking ion-exchange and activated-carbon technologies in a sugar refinery: a new angle of carbon emission.</div><div> Jessica Abril-Lenis, et al.</div></div>	<div><div>Factory Engineering</div><div>Characterization of gas ashes from sugar- mill chimneys in Tucumán, Argentina.</div><div> Marcos Antonio Golato, et al</div></div>





# Management Commission

## THURSDAY 28 AUGUST

TIME	SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4
15:00 - 15:10	<p><b>Management</b> Inside or outside: when is open innovation relevant to accelerate and scale processes and products?</p> <p> E Arboleda, et al.</p>	<p><b>Management</b> Opportunities for mechanised operations in sugarcane and their impact on cane yield.</p> <p> Ana María Guerrero Ortiz</p>	<p><b>Management</b> Digital channels to identify those interested in adoption of technology.</p> <p> Hernán Felipe Silva Ceron, et al.</p>	<p><b>Management</b> Designing a business model for services required by sugarcane growers in Colombia.</p> <p> Arellano, et al.</p>
15:10 - 15:20	<p><b>Management</b> Predicting illegal burnings for effective risk management in the Guatemalan sugarcane agroindustry.</p> <p> A Galindo, et al.</p>	<p><b>Management</b> Disaster struck: a case study of structure, communication, and data collection from South African sugarcane growers.</p> <p> Muhammad Kadwa, et al.</p>	<p><b>Management</b> Evaluation of the efficiency and costs of implementing a sugarcane harvest transportation and logistics system in a sugar mill in eastern Bolivia.</p> <p> Luis Fernando Ortíz Reque, et al.</p>	<p><b>Management</b> Administrative Irrigation Control: a tool to reduce water consumption per irrigation event in sugarcane cultivation at Castilla Agrícola S.A.</p> <p> Carlos Alfonso Lucumi, et al.</p>
15:20 - 15:30	<p><b>Management</b> Administrative tools for cost control in sugarcane cultivation at Riopaila Agrícola and Castilla Agrícola S.A.</p> <p> Juan Carlos Bedoya García, et al.</p>	<p><b>Management</b> Waters Funds, a way to become nature positive and ensure sustainability in the sugarcane sector.</p> <p> Daniela Hernández Perea, et al.</p>	<p><b>Management</b> Greenhouse gas emissions from agricultural practices in sugarcane: a bioenergy approach in Tucumán, Argentina.</p> <p> Mario Javier Tonatto, et al.</p>	





## ZONE 1

GATO DE TEJADA



# Trade Exhibition

STAND	COMPANIES
1	Vaisala Mexico Limited
2	Mega Engineering (Mith Sarjerao Mane)
3	MCI
4 al 7	Applexion Barriquand Broquet Pumps Choquenet Cirad CMD Ercane Fives Fcb Iteca Menart
8	Catalysts Biotechnologies
9	Alcolina
10	Tomsa - Megen
11	Heinzmann Australia Pty Ltd
12	Triveni Turbine
13	Triveni Turbine
14	Anton Paar
15	Bosch Projects Holdings
16	BMA
17	Irriga Brasil
18	Mill Gears Private Limited
19	Postle Industries
20	Precisagro
1 - A	TT - Imecol
2 - A	Colsugar
3 - A	Casa Toro John Deere
4 - A	Casa Toro John Deere
6 - A	Colsugar
7 - A	TT - Imecol
A	Cenicaña - Guarapo

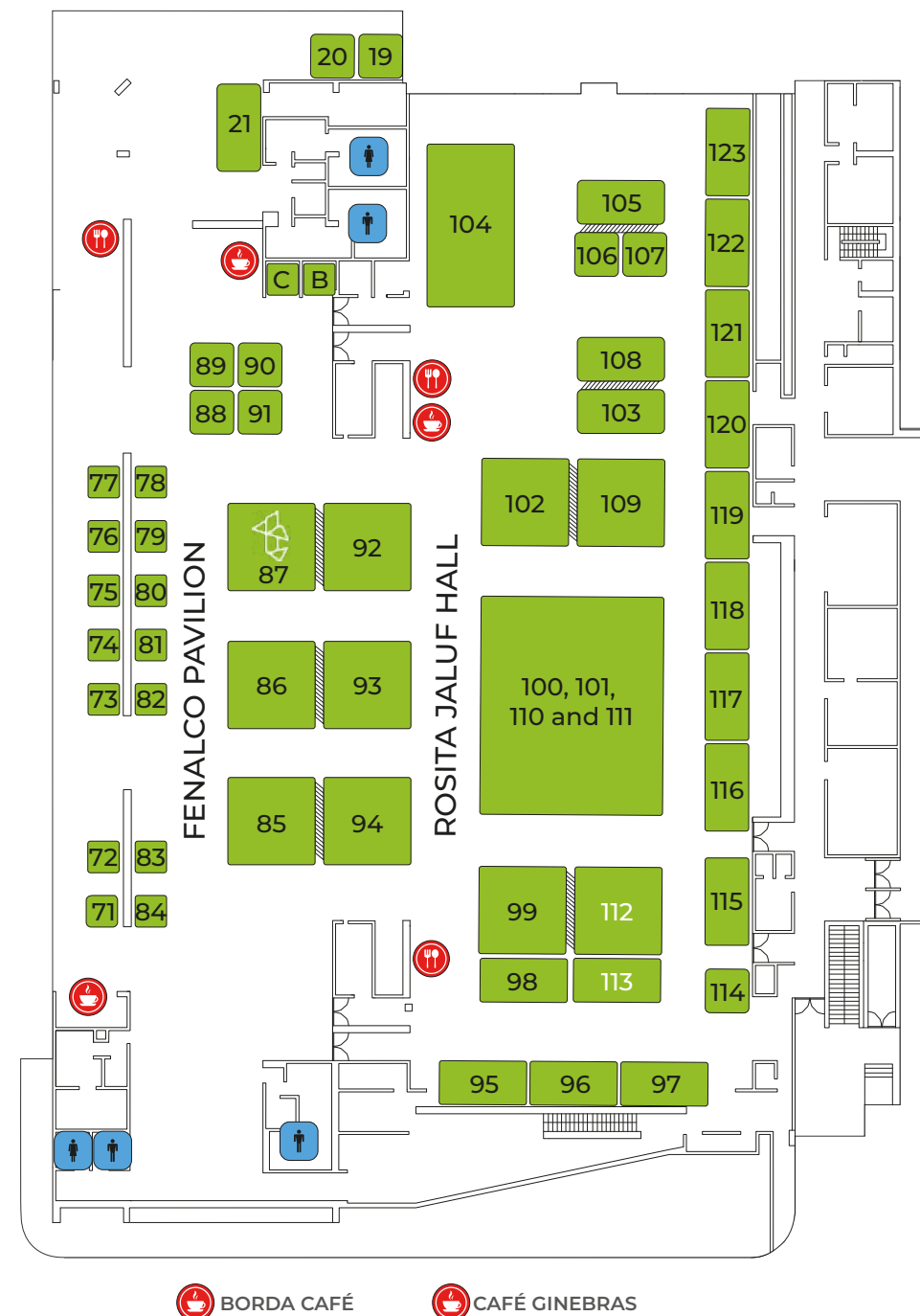


## ZONE 2

### LA ERMITA

STAND	COMPANIES
21	Metalplast
71	Farmdar
72	Boerger, Llc
73	Protécnica Ingeniería S A
74	Refrastrabe
75	Comlink
76	AZ Logica
77	Petroservicios
78	Universidad Icesi
79	Piller
80	S.B. Reshellers PVT Lta
81	Weg Turbinas E Solar Ltda
82	Euronavia
83	Enziquim
84	Ingecom Us Llc
85	Verion
86	Corazón de Caña - <b>Platinum Sponsor</b>
87	Tecnicaña - Inceatec
88	Caproin
89	Silver Weibull
90	De Smet Engineers & Contractors
91	IDC
92	Martin Sprocket & Gear
93	Bray Controls Andina Ltda
94	Praj Industries Ltd
95	Cin Industrial
97	Aserindustria
98	Game Equipement
99	La Pergola

STAND	COMPANIES
100-101	Flowmaster Sistemas De Medição Ltda Pecege Consultoria E Projetos Hidrall Equipamentos Irbi Máquinas E Equipamentos Cordoba Industrial Ltda RSC Solucoes Em Engenharia Ltda Gerdau Summit Acos Fundidos E. Forjados S.A. LCI Ventiladores / Aura Brazil Civemasa
102	Ulka Industries PVT Ltd., India.
103	VRL Ingeeniering
104	Cyber Requip
105	Conalbronces
106	Broadbent Incorporated
107	Crompton
108	Tritech
109	Epi Engineering
110 -111	ESA Engenharia Em Sistemas de Automação Ltda Uniweld Industria de Eletrodos Ltda Fermentec - Tecnologias Em Acucar E Alcool Ltda Reunion Engenharia Ltda Vulkan Do Brasil Ltda Autpro Eletrica E Automacao Ltda Equilíbrio Balanceamentos Industriais Ltda Prominas Brasil Equipamentos Ltda
114	Prodek Inc
115	Western States Machine Company
116	Chemicoaching SAS
117	GEAa
118	Cenicaña
119	Shrijee
120	John King Chaing
121	Hydrosat
122	Grupo Enlasa - Mercagre
123	Hagglunds
B	Mesa Sectorial Sena
C	Sura





## ZONE 3

**PLAZOLETA  
JAIRO VARELA**

STAND	COMPANIES
24	Schmidt + Haensch Gmbh & Co.
25	Acadian Y Syngenta
26	Valley-Valmont
27	Buckau-Wolf
28	Vistex
29	Iproindia
30	Clyde Industries Colombia S.a.s
31	Tramec S.a.s (Tramision Mecanica S.A.S)
32	Biocondensados De Colombia
33	Statec Binder Gmbh
34	AGP
35	Soluciones Cientificas
36 AND 37	Isgec
38	Manglar Cnx
39	Qadbros
40	Rexcol Industrial
41	Kaltire
43	Escuela de Formación Providencia
44	Global Parts
45	SKF
46	Campofert
47	Netafim
48	Nqas
49	Carval
50	TQI - Kurita
52	Bas Ingeniería
53	Dinamic Oil
57	JMAQ



STAND	COMPANIES
54	Team Plus
55	Incofilt (Industria Colombiana de Filtración S.A.S)
56	Repsumin
58	Cosmolcel Rovensa
59	Simca Group
60	Speed Solution
61,62,63	TT - Imecol TT - Imecol TT - Imecol
64 AND 65	Colsugar
66 AND 67	Casa Toro John Deere
68 AND 69	Solifntec
70	Fundiciones Universo
124	Biotec
1 - CC	
2 - CC	Netafim
3 - CC	Sameco Org (Topllantas)
4 CC	Acoforja Industria de Forjados AS
5 CC	Motocana Máquinas E Implementos Ltda
6 CC	Bussola Ferramentas Agrícolas Ltda
16 CC	IBS Comercio Exterior Ltda
	Nova Smar SA
	Euronickel Eletroformacao de Metais Ltda
	ABM Comercio Internacional Ltda
	Hidromecanica Germek Ltda
	Autolab Automação e Sistemas Ltda
	Authomathika Sistemas de Controle
	Paques Brasil Sistemas para Tratamento de Efluente
	Simex Exportadora e Importadora Ltda
	Pró-Usinas Sinatub Tecnologia Ltda
	Engenovo - Tecen Comercial Ltda
	Engevap Engenharia e Equipamentos Ltda
	Fcn Tecnologia Eireli
	TJA Industria E Comercio S/A
	Dedini Industrias De Base
	Fertron Controle e Automação Industrial Ltda
	General Chains Do Brasil Ltda
	Comet Do Brasil Industria E Comercio de Equipamentos Ltda
	Turbimaq Turbinas E Maquinas Ltda
	Texas Industrial S/A
	Interunion Comércio Internacional Ltda.
	Smartbreeder S.a.
	APLA Projeto Brazil Sugarcane



## ZONE 3

### PLAZOLETA JAIRO VARELA

STAND	COMPANIES
7 - CC, 8 CC	TT - Imecol
9 - CC	Import trailer
11 - CC	Bioenergy
14 - CC	Valley
15 - CC	Verion
SAMAN TREE	Uttam Sucrotech - <b>Diamond Sponsor</b>
D	Fundación Notas De Paz
E	AZC Abogados
F	Procolombia
N	Ron Viejo De Caldás
M	Dulces Típicos De Colombia
L	Sugar Industry
	Borda Café
	Café Ginebras

Meléndez Academic Hall –
Entrance To The Factory And Agriculture Rooms
"Chamber Of Commerce Plaza"
Manuelita Pavilion
Expansion Area



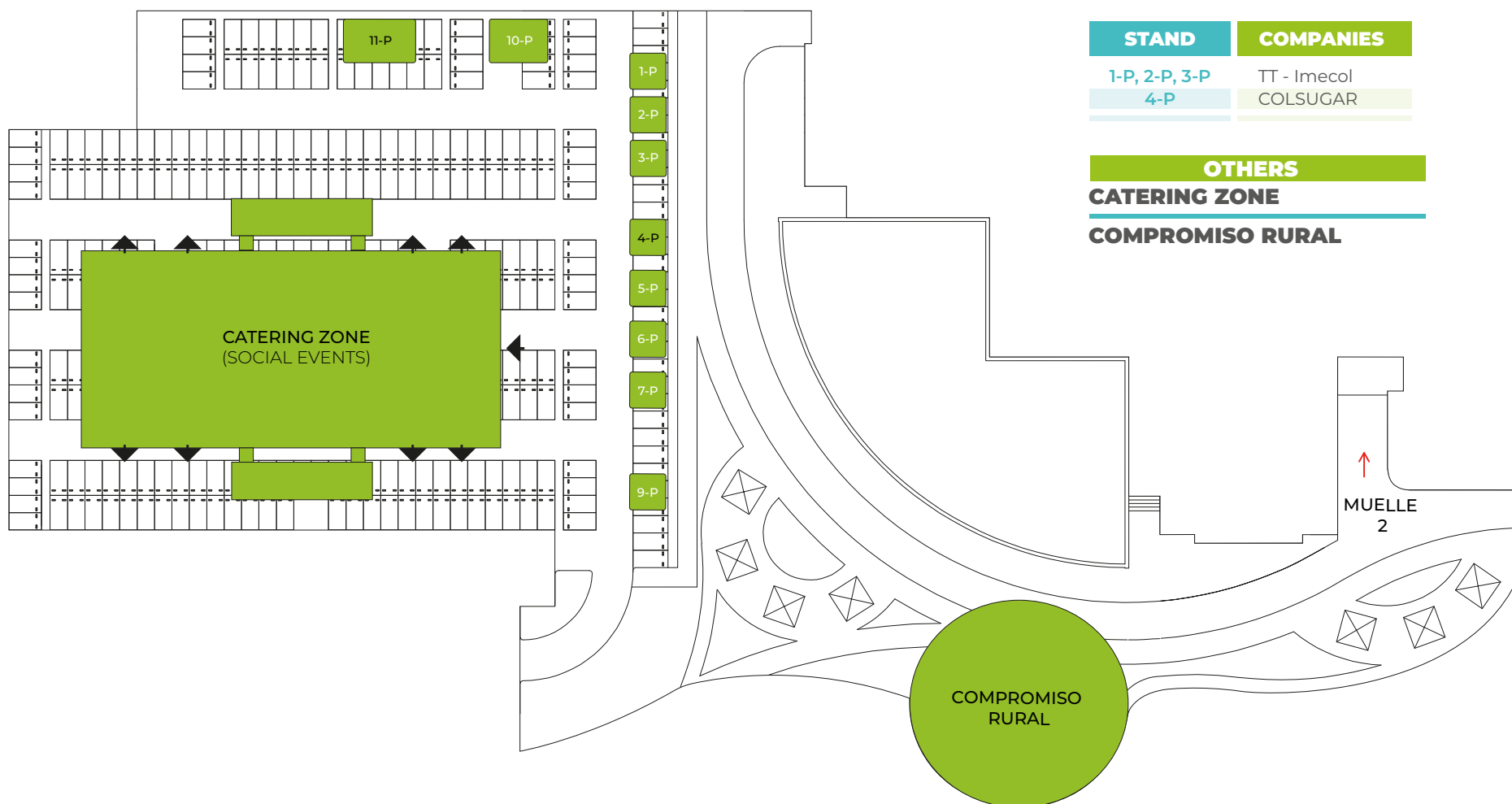


## ZONE 4

CHOLADO



XXXII  
ISSCT  
CENTENNIAL  
CONGRESS  
CALI - COLOMBIA  
Digital - Innovative - Sustainable





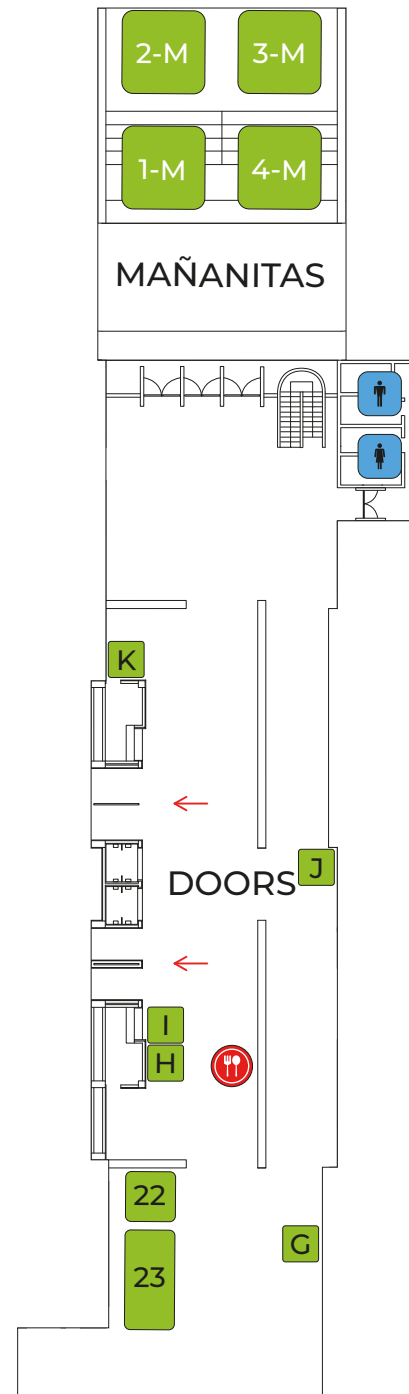
## ZONE 5

CRISTO REY

STAND	COMPANIES
22	Manvert (Biovert)(Sustainable Agro Solutions Sau)
23	NAX Solutions
G	Sugar Journal
H	Open Solution
I	Aviatur
J	Hacienda La Trinidad
K	Banco Unión

### OTHERS ZONES

Coffee Break  
Mañanitas  
Access to the Commission 3 and Commission 4  
Rooms – Meléndez Hall  
Second Floor



XXXII  
ISSCT  
CENTENNIAL  
CONGRESS  
CALI - COLOMBIA  
Digital - Innovative - Sustainable

Thank you!



tecnicaña

