

PROGRAM




NOVEMBER 4 - 7
Mar del Plata | Balcarce

Preliminary program. The event organizers reserve the right to partially or fully modify the information contained in this document.

TUESDAY, NOVEMBER 4
HOTEL 13 DE JULIO



8:00	Registration	Entrance hall
9:00 - 15:30	<p>Course </p> <p>Biological and biotechnological solutions for sustainable agricultural and agro-industrial waste management</p> <p>Session chair: MSc. Eugenia Beily, INTA</p> <p>VIEW FULL PROGRAM</p>	Topacio Auditorium
	<p>Course</p> <p>Biochar as a tool for sustainability: Production and agricultural and environmental applications</p> <p>Session chairs: Dr. Patricia Bres, INTA; Dr. Ricardo Steinmetz, Sbera</p> <p>VIEW FULL PROGRAM</p>	Coral Auditorium
15:30 - 16:00	Coffee break	Aguamarina Lounge
16:00 - 18:30	<p>Opening ceremony</p> <p>Management of residual biomass from Argentina's agroindustrial production. INTA's support over the last two decades</p> <p>Dr. Carolina Sasal - Coordinator, National Natural Resources Program, INTA</p> <p>Plenary lecture</p> <p>Biorefineries: Challenges and lessons learned in the valorization of urban and agri-food waste. The case of Circular Biocarbon</p> <p>Dr. Sergio Ponsá, Centro Tecnológico BETA</p> <p>Session chair: Dr. Elena Okada, INTA</p>	Topacio Auditorium

TUESDAY, NOVEMBER 4
HOTEL 13 DE JULIO



18:30 – 19:00	Composting: Challenges and opportunities for Latin America. Introduction of the Latin American composting council MSc. Victor Manuel Romero-Niembro, Consejo Latinoamericano de Compostaje	Topacio Auditorium
19:00 – 21:00	Welcome cocktail	Aguamarina Lounge

WEDNESDAY, NOVEMBER 5
HOTEL 13 DE JULIO

8:00	Registration Poster setup: E1 and E2-A	Entrance hall
8:30 – 9:30	Plenary lecture Transforming organic waste into a resource: Short-chain, high-value solutions for sustainable agriculture Dr. Raúl Moral Herrero, Universidad Miguel Hernández de Elche Session chair: Dr. Luciano Orden, Universidad Miguel Hernández de Elche	Atlantic Auditorium
9:30 – 10:30	Commercial solutions for waste valorization Session chair: Dr. Elena Okada, INTA VIEW FULL PROGRAM	Atlantic Auditorium
10:30 – 11:00	Coffee break	Mediterráneo Lounge



Topic 1 session. Advances in solid and liquid waste treatments

Session chairs: MSc. Nicolas Sosa, INTA; Dr. Eduardo Pavan Korf, Federal University of Fronteira Sul

[VIEW FULL PROGRAM](#)

Atlantic Auditorium

11:00 – 12:30

Topic 1 session. Anaerobic digestion and biogas production

Session chairs: Dr. Patricia Bres, INTA; Dr. Ricardo Steinmetz, Sbera

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Topacio Auditorium

Networking space between producers and companies

Connecting waste management solutions

Session chair: Dr. Walter Carciochi, CONICET – UNMDP

Mediterráneo Lounge

12:30 – 14:00

Lunch break

14:00 – 15:30

Topic 2 session. Biochar and residual biomass combustion

Session chairs: Dr. Pablo Monetta, INTA; Ana Claudia Lazaroto, Universidade Tecnológica Federal do Paraná

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Topacio Auditorium

Topic 2 Session. Byproduct valorization for agricultural use

Session chairs: Dr. Walter Carciochi, CONICET – Universidad Nacional de Mar del Plata; Dr. David Vilas Boas de Campos, Embrapa

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Atlantic Auditorium

15:30 – 16:15

Coffee break

E1 and E2-A Poster session

Mediterráneo Lounge

WEDNESDAY, NOVEMBER 5
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E1 Oral sessions

Session chairs: Dr. Silvia Mestelán, Universidad Nacional del Centro de la Provincia de Buenos Aires; Dr. Eliane C. Soares da Costa, i17

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Atlantic Auditorium

16:15 – 17:30

E2 Oral sessions

Session chairs: Dr. Alejandra Yommi, INTA; Dr. Helen Treichel, Universidade Federal da Fronteira Sul

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Topacio Auditorium

INTA Institutional network: Innovation to transform waste into regional value

Session chair: Silvana Fangio, INTA

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Atlantic Auditorium

17:30 – 18:30

Interlaboratory meeting on anaerobic digestion – BiogásFORT

Topacio Auditorium

ASACOMP Assembly

Atlantic Auditorium

18:30 – 19:30

Sbera Assembly

Topacio Auditorium

THURSDAY, NOVEMBER 6
HOTEL 13 DE JULIO

8:00

Registration

Poster setup: E2-B, E3, and E4

Entrance Hall

THURSDAY, NOVEMBER 6
HOTEL 13 DE JULIO



Plenary conference 

Greenhouse gas emissions from livestock waste and control strategies

Dr. Pramod Pandey, University of California, Davis

Session chair: Dr. Fabiane Goldschmidt Antes, Embrapa

8:30 – 9:30

Atlantic Auditorium

Seals and certifications in circularity processes

Session chair: Dr. Mariana Bruno, INTA

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9:30 – 10:30

Atlantic Auditorium

DAAD Alumni Session

Waste Bank: A management plan for supermarket waste

Ing. Santiago Trejo, Krbon.me;
Dora Britez, Fundación Banco de Residuos

Session chair: Dr. Sebastian Riera, INTA

Topacio Auditorium

10:30 – 11:00

Coffee break

Mediterráneo Lounge

Topic 2 session. Byproducts from agroindustry residues and waste and discards

Session chairs: Dr. Adriana Pazos, INTA; Dr. Thiago Edwiges, Universidade Tecnológica Federal do Paraná

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11:00 – 12:30

Atlantic Auditorium


Topic 3 session. Environmental pollution and bioremediation

Session chairs: Dr. Débora Perez, CONICET – Universidad Nacional de Mar del Plata; Dr. Suelen Paesi, Universidade de Caxias do Sul

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Topacio Auditorium



12:30 – 14:00	Lunch break	
14:00 – 15:30	Topic 3 session. Circular economy  Session chairs: Dr. Eugenia Sanz Smachetti, INTA; Dr. Ricardo Steinmetz, Embrapa VIEW FULL PROGRAM	Atlantic Auditorium
	Topic 4 session. Public policies Session chairs: Karen Braun, ASACOMP; Dr. Julio Cesar Palhares, Embrapa VIEW FULL PROGRAM	Topacio Auditorium
15:30 – 16:15	Coffee break E2-B, E3, and E4 Poster session	Mediterráneo Lounge
16:15 – 17:30	E3 Oral sessions Session chairs: Dr. Keren Hernandez Guijarro, INTA; Dr. Vinicius Benites, Embapa VIEW FULL PROGRAM	Topacio Auditorium
	E4 Oral sessions Session chairs: Dr. Laura Cendon, INTA; Dr. Airton Kunz, Embrapa VIEW FULL PROGRAM	Atlantic Auditorium
17:30 – 19:00	Circular brewing: Turning spent grain into value Session chairs: MSc. Bárbara Carpaneto Dr. Laura Cendón, INTA VIEW FULL PROGRAM	Atlantic Auditorium

THURSDAY, NOVEMBER 6
HOTEL 13 DE JULIO



19:00 - 19:30

Closing ceremony
Awards presentations

Atlantic Auditorium

QUBA RESTO BAR

21:00

Dinner party at Quba Resto Bar

FRIDAY, NOVEMBER 7
EEA BALCARCE, INTA

8:00

Field trip to EEA Balcarce

Hotel 13 de Julio
entrance

9:30

**Machinery in action: Dynamic field
exhibition**

[VIEW FULL PROGRAM](#)

EEA Balcarce

13:00

Lunch in food trucks

EEA Balcarce

14:30

Return to Mar del Plata

EEA Balcarce

EXTENDED PROGRAM



**V SIMPOSIO
DE RESIDUOS
AGROPECUARIOS Y
AGROINDUSTRIALES**

IX SIGER 
INTERNATIONAL SYMPOSIUM OF AGRICULTURAL
AND AGROINDUSTRIAL WASTE MANAGEMENT

MAR DEL PLATA
- 2025 -

NOVEMBER 4 - 7

Mar del Plata | Balcarce



Biological and biotechnological solutions for sustainable agricultural and agro- industrial waste management

TUESDAY, NOVEMBER 4 | 9:00 H | TOPACIO AUDITORIUM

INTERPRETATION PROVIDED 

9:00 - 10:30	Valorization of agro-industrial waste via microbial synthetic biology	Dr. Wu Bo, BIOMA
10:30 - 11:00	Coffee break	Salón Aguamarina
11:00 - 11:30	Valorization of agro-industrial waste via microbial synthetic biology	Dr. Wu Bo, BIOMA
11:30 - 12:30	Biogas-associated circular economy: current situation, difficulties and cases	Dr. Zhang Mingming, BIOMA
12:30 - 14:00	Lunch break	
14:00 - 15:30	Microalgae-based bioremediation and valorization of agriculture wastewater and anaerobic digestates valorization	Dr. Wang Wenguo, BIOMA

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Biochar as a tool for sustainability: Production and agricultural and environmental applications

TUESDAY, NOVEMBER 4 | 9:00 H | CORAL AUDITORIUM

9:00 – 10:30	Sustainable production and agricultural application of biochar	Dr. Rosa Rodriguez, CONICET – Universidad Nacional de San Juan
10:30 – 11:00	Coffee break	Aguamarina Lounge
11:00 – 12:30	Beyond the soil: Innovative applications of biochar for environmental remediation	Dr. Lucas Meili, Universidade Federal de Alagoas
12:30 – 14:00	Lunch Break	
14:00 – 15:30	Examples and business models for the use and application of biochar in Brazilian agriculture	Dr. José Dilcio Rocha, Embrapa

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Commercial solutions for waste valorization

WEDNESDAY, NOVEMBER 5 | 9:30 H | ATLANTIC AUDITORIUM

From cost to resource: The new economy of organic resources – a paradigm shift in the management of agroindustrial effluents and waste

Gastón Borgiani, Industrias Montecor

Anaerobic digestion for the valorization of environmental liabilities: Toward energy biorefinery models

Javier Schifani, Bioeléctrica

Technologies to transform manure and slurry into value and sustainability

Ing. Lisandro Tron, Ecomanagement

GORE® Cover Technology – Aerated and in-vessel composting systems with semi-permeable membranes for organic waste treatment

Marco Aurelio Salvaro de Souza, UTV AG

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Advances in solid and liquid waste treatments

WEDNESDAY, NOVEMBER 5 | 11:00 H | ATLANTIC AUDITORIUM

11:00	Fishery and aquaculture waste treatment: biotechnological strategies toward sustainable development	Dr. Analía Fernández Giménez, Universidad Nacional de Mar del Plata
11:15	Phosphate recovery methods from livestock waste	Dr. Matias Vanotti, USDA
11:30	Advanced and sustainable methods for treating animal wastewater	Dr. Airton Kunz, Embrapa
11:45	Advanced waste management using sub- and supercritical fluid technologies	Dr. Luis Granone, CONICET, Universidad Nacional de Mar del Plata
12:00	Q&A	

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Anaerobic digestion and biogas production

WEDNESDAY, NOVEMBER 5 | 11:00 H | TOPACIO AUDITORIUM

11:00	Understanding the microbiota of anaerobic digestion for the development of waste recovery strategies	Dr. Suelen Paesi, Universidade de Caxias do Sul
11:15	Anaerobic digestion of agricultural and agroindustrial waste and effluents in Uruguay: Development and adaptation of technologies	Msc. Guillermo Zinola, Universidad Tecnológica de Uruguay
11:30	Biotechnological valorization of agroindustrial residues	Dr. Helen Treichel, Universidade Federal da Fronteira Sul
11:45	Hydrogen and advanced fuels from biogas	Ing. Emilly Sabrina Schuda Vieira, CIBiogas
12:00	Q&A	

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Biochar and residual biomass combustion

WEDNESDAY, NOVEMBER 5 | 14:00 H | TOPACIO AUDITORIUM

14:00	From waste to activated carbons: Energy and environmental applications	Dr. Marcela Bavio, Universidad Nacional del Centro de la Provincia de Buenos Aires
14:15	Thermochemical conversion of biomass residues into functional materials for environmental use	Dr. Lucas Meili, Universidade Federal de Alagoas
14:30	Use of residual biomass to improve energy recovery in Brazil and abroad	Dr. José Dilcio Rocha, Embrapa
14:45	Q&A	

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Byproduct valorization for agricultural use

WEDNESDAY, NOVEMBER 5 | 14:00 H | ATLANTIC AUDITORIUM

14:00	Closing the loop: Valorization of organic amendments and anaerobic digestates	Agr. Eng. Msc.Nicolás Riera, INTA
14:15	Organomineral fertilizers as a strategy for recycling agricultural and agroindustrial waste	Dr. Vinicius de Melo Benites, Embrapa
14:30	Composting and microbial bioprospecting as a sustainable strategy for grape waste valorization	Dr. Mateus Nazari, Empresa Beigrupo
14:45	BioSelBar: Development of bio-stimulant based on barley bagasse and selenium for biofortification of horticultural crops	Dr. Gabriela Guevara, Universidad Nacional de Mar del Plata
15:00	Q&A	

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Oral sessions

WEDNESDAY, NOVEMBER 5 | 16:15 H | ATLANTIC AUDITORIUM

16:15	Struvite production in digestate with high Ca/Mg ratio	Rubia Mores
16:25	Phosphorus recovery from poultry manure after wet extraction using commercial or organic residues acids	Virginia Takata
16:35	Subsurface horizontal flow wetland as an alternative for the post-treatment of porcine digestate	Mariano Butti
16:45	Enhancing swine carcass composting: Effects of mechanical turning on process dynamics and end-product quality	Javier Ferrari
17:00	Q&A	

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Oral sessions

WEDNESDAY, NOVEMBER 5 | 16:15 H | TOPACIO AUDITORIUM

16:15	Use of hydrolysates from fishery by-products in rainbow trout diets and evaluation of their antioxidant effect	Nair Pereira
16:25	Utilization of beer industry byproducts for the production of functional foods	Laura Pouzo
16:35	Ultrasound-assisted extraction of antioxidant compounds from red apple by-products for application in beverage fortification	Solange Fuentes
16:45	Anaerobic digestion of cattle manure and agronomic recovery of its products in wheat cultivation	Felipe do Casal de Paula
17:00	Q&A	

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INTA Institutional network: Innovation to transform waste into regional value

WEDNESDAY, NOVEMBER 5 | 17:30 H | ATLANTIC AUDITORIUM

17:30	INTA Innovation hubs: A bridge toward development	Dr. Roxana Paez, INTA
17:40	Algaefactory: Microalgae-based biostimulants; Molitor: Insect-based protein	Chem. Eng. Javier Beccaria, INTA
17:50	Hydrox: Functional animal nutrition with the power of olive	Dr. Manuel Rodríguez Márquez, INTA; Dr. Pablo Monetta, INTA
18:00	Dervinsa and Ghretek: Composting and substrate production from wine industry and local agroindustrial waste	Agr. Eng. Analía Díaz Bruno; Mg. Germán Aguado; MSc. Gabriel Pisi, INTA
18:10	Transforming regional waste into value: Sugarcane vinasse, lemon industry waste, and olive mill effluents	Liliana Irene Fortini, INTA; MSc. María Soledad Carbajo Romero, INTA
18:20	Q&A	

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Seals and certifications in circularity processes

THURSDAY, NOVEMBER 6 | 9:30 H | ATLANTIC AUDITORIUM

Argentine bioproduct seal: Opportunities for adding value to products, by-products, and waste from the agricultural industry

Marisol Fuhr, Ministerio de Economía

Argentine sustainability seal (SAPROCEA) as an innovative tool

Env. Eng. Karen Olexen,
Sociedad Argentina de Profesionales, Consultores y Expertos Ambientales

Standards and certifications applicable to waste treatment and biogas production: Case studies

Dr. Jorge Hilbert, Energy & Environmental Consulting Services

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Byproducts from agroindustry residues and waste and discards

THURSDAY, NOVEMBER 6 | 11:00 H | ATLANTIC AUDITORIUM

11:00	Agri-food waste-based sustainable particleboards	Dr. Emiliano Ciannamea, Universidad Nacional de Mar del Plata
11:15	Microbial enzymes for the production of biofuels and bioproducts from residual lignocellulosic biomass	Dr. Laura Navas, INTA
11:30	Technologies for the valorization of waste and discards from the potato value chain	Dr. Paola Ceroli, INTA
11:45	Biotechnological valorization of whey permeate	Dr. Ma. Esperanza Mainez, INTA
12:00	Q&A	

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Environmental pollution and bioremediation

THURSDAY, NOVEMBER 6 | 11:00 H | TOPACIO AUDITORIUM

11:00	Antimicrobial residues in feedlot soils of Argentina	Dr. Sergio Sanchez Bruni, Universidad Nacional del Centro de la Provincia de Buenos Aires
11:15	Antimicrobial resistance in agroecosystems: Impact of animal-based soil amendments	Dr. Keren Hernandez Guijarro, INTA
11:30	Use of native microorganisms to improve agricultural soils	Dr. Patricia Vélez Aguilar, Universidad Autónoma de México
11:45	Pesticide degradation using ligninolytic fungi and bacterial consortia	Dr. Maria Cristina Diez, Universidad de La Frontera
12:00	Q&A	

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Circular Economy

THURSDAY, NOVEMBER 6 | 14:00 H | ATLANTIC AUDITORIUM

SEQUENTIAL INTERPRETATION 

14:00	Evaluation of nutrient cycling in livestock and agricultural systems: cases of study in Chile	Dr. Francisco Javier Salazar Sperberg, INIA
14:20	Circular economy- successful case studies	Dr. Meng Haibo, BIOMA
14:40	The NODO Model: A Farmer-Centered Framework for the Valorization of Agro-Industrial Surpluses and Food Security in Argentina	Lic. Nahuel Salazar, NODO
15:00	Q&A	

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Public policies

THURSDAY, NOVEMBER 6 | 14:00 H | TOPACIO AUDITORIUM

14:00	Animal waste management for energy recovery and climate policy integration	Dr. Deisi Tapparo, i17
14:20	Bioeconomy public policies: Catalonia's path toward a circular and sustainable agri-food sector	Dr. Laia Llenas, Centro Tecnológico BETA
14:40	Reduction of Food Loss and Waste in Wholesale Fruit and Vegetable Markets of the Buenos Aires Province	M.Sc. Javier Cernadas, Provincial Director of Agri-food Markets
15:00	Q&A	

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Oral sessions

THURSDAY, NOVEMBER 6 | 16:15 H | TOPACIO AUDITORIUM

16:15	Nitrous oxide emissions following the application of swine effluent and their mitigation by dicyandamide	Gonzalo Bianco
16:25	Multicriteria assessment of nutrient and water use efficiency in Brazilian dairy production systems	Julio Cesar Palhares
16:35	Efficiency in the removal of contaminants present in wastewater from the use of <i>Spirulina platensis</i>	Juan Martín Larzabal Rodríguez
16:45	Phytoremediation as a green tool to reduce veterinary antibiotic loads in animal wastewater	Debora Perez
17:00	Q&A	

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Oral sessions

THURSDAY, NOVEMBER 6 | 16:15 H | ATLANTIC AUDITORIUM

16:15	Circular economy and business models: case studies in the fishing industry	Nicolás Alejandro Antonelli
16:25	Make it simple: institutional challenges for uptake of manure management in dairy farms	Serena Olivera
16:35	Design and monitoring a composting process with agricultural and agro-industrial byproducts from a horticultural company	Pablo Monetta
16:45	Advances in the systematization of circular bioeconomy experiences in the South-Central region of Buenos Aires Province	Mariana Bruno
17:00	Q&A	

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Circular brewing: Turning spent grain into value

THURSDAY, NOVEMBER 6 | 17:30 H | ATLANTIC AUDITORIUM

17:30	Current situation of craft beer production and spent grain management	Ing. Juan Pablo Vincent, Cervecería Baum
17:45	Drying and pelletizing of spent grain	Agr. Eng. Javier Luis Ferrari, INTA
18:00	Bioproduct development	Dr. Lucia Rossi, INTEMA- CONICET- Universidad Nacional de Mar del Plata
18:15	Proyecto Bagazo: Incorporation of spent grain in food products	Fiorella Gentile, Global Shapers Mdp
18:30	Q&A and local craft beer tasting	

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Machinery in action: Dynamic field exhibition

FRIDAY, NOVEMBER 7 | 9:30 H | EEA BALCARCE

9:30

Introduction and group assignment

10:00

Start of tour:

- Windrow and in-vessel composting systems.
- Compost pelletization for fertilization purposes.
- Solid amendments field distribution.
- Pelletized compost field application.

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Organizers



Instituto Nacional de
Tecnología Agropecuaria
Argentina



Co-organizers



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