



International Society of Sugar Cane Technologists

CO-PRODUCTS WORKSHOP

Programme

Holiday Inn Mauritius Airport
MAURITIUS

30 November - 4 December 2015

ISSCT Co-Products Workshop

PROGRAMME

SATURDAY 28 & SUNDAY 29 NOVEMBER		
Arrival and Registration		
SUNDAY 29 NOVEMBER		
6.00 p.m.	Registration of Participants	
7:30 p.m.	Welcome Reception	
MONDAY 30 NOVEMBER		
8.00 a.m.	Registration of Participants	
9:15 a.m.	Guests to be seated	
Opening Ceremony		
9:30 – 10:45 a.m.	Welcome Address	Dr. Jean Claude AUTREY , <i>General Secretary, ISSCT</i>
	Address	Dr. Suleiman José HASSUANI <i>ISSCT Co-Products Commissioner Engineering Manager</i> <i>Centro de Tecnologia Canavieira (CTC), Brazil</i>
	Address and Opening of Workshop	Honourable Mahen Kumar SEERUTTUN , <i>Minister of Agro Industry & Food Security</i>
	Keynote Address	Dr. Lars WALDHEIM , <i>Director, Waldheim Consulting, Sweden</i> Developments in biomass gasification- Opportunities in the sugar cane industry
10:45 a.m.	Tea/Coffee	
11:15 a.m.	ISSCT: Origin, objectives and prospects Jean Claude AUTREY, ISSCT, Mauritius	
SESSION A: Status of Co-Products in various countries Chair: Suleiman Hassuani		
11:35 a.m.	A review of the development of Co-Products in Australia Bryan LAVARACK, Mackay Sugar, Australia	
11:55 a.m.	Status of Co-Products in Mauritius Jean Claude AUTREY, ISSCT, Mauritius	
12 :15 p.m.	Co-Products (and technologies) from sugar cane being developed/commercialized) in the USA Benjamin L. Legendre, Audubon Sugar Institute, USA	
12 :35 p.m.	Status of Co-Products in Brazil Suleiman HASSUANI, CTC, Brazil	
1:00 p.m.	Lunch	

Session B: Product diversification**Chair : Bryan Lavarack**

2.30 p.m.	<ul style="list-style-type: none">• Overview of the SMRI New Products Strategy: a staged screening approach Stephen DAVIS, Sugar Milling Research Institute NPC, South Africa
3:00 p.m.	<ul style="list-style-type: none">• Cellulosic ethanol production from sugar cane bagasse using individual and mixed cultures of different pentoses and hexoses fermenting microorganisms Sanjay V PATIL, Vasantdada Sugar Institute, India
3:30 p.m.	<ul style="list-style-type: none">• Wissington: the most diversified beet factory, concept to practice' Gary PUNTER, AB Sugar, UK
4:00 p.m.	Coffee Break
4.30 p.m.	<ul style="list-style-type: none">• A Profitable Future for Australian Agriculture: Biorefineries for Higher-Value Feed, Chemicals, and Fuels Mark HARRISON, Queensland University Of Technology - QUT, Australia
5.00 p.m.	<ul style="list-style-type: none">• A regional programme for the production of multiple agricultural feedstocks and processing to biofuels and biobased chemicals Benjamin L. LEGENDRE, Audubon Sugar Institute, USA
5. 30 p.m.	End of Session

TUESDAY MORNING: 1 DECEMBER 2015**Session C: Chemical and biochemical uses of co-products****Chair : Raoul Lionnet**

9:00 a.m.	<ul style="list-style-type: none">• Chemical and bio-chemical applications Raoul LIONNET, Consultant, Australia
9.30 a.m.	<ul style="list-style-type: none">• Review on Aconitic acid recovery from Sugarcane by-products. Jenny WU-TIU-YEN and Arnaud PETIT, eRcane, Reunion
10.00 a.m.	<ul style="list-style-type: none">• White-rot fungi pretreatment assisted bleaching for cellulose extraction from sugar cane bagasse Prakit SUKYAI, Kasetsart University, Thailand
10:30 a.m.	Coffee Break

11:00 a.m.	<ul style="list-style-type: none"> • Influence of Sucrose/Glucose/Fructose concentrations on the production of B-Glucan polysaccharide from <i>Aurobasidium pullulans</i> AFO202 <p>Wirat VANICHSRIRATANA, Kasetsart University, Thailand</p>
11:30 a.m.	<ul style="list-style-type: none"> • Production of polyhydroxyalkanoates from sugar cane trash <p>Gunshiam UMRIT, MSIRI, Mauritius</p>
12:00	<ul style="list-style-type: none"> • Biosorption of mercury using brown seaweed for treatment of industrial effluents <p>Vimi DOOKHUN, Faculty of Engineering University of Mauritius, Mauritius</p>
12:30 p.m.	<ul style="list-style-type: none"> • Decolorization of the filtrate liquor using bagasse fly ash in the pilot scale <p>Chaiwat NGASAN, Mitr Phol Sugarcane Research Centre, Thailand</p>
12:30 p.m.	<ul style="list-style-type: none"> • Estimation of Fermentable Sugar Loss in During Storage Molasses <p>Rutchadaporn NOOTAS, Mitr Phol Sugarcane Research Centre, Thailand</p>
13:00 p.m.	Lunch

TUESDAY AFTERNOON: 1 DECEMBER 2015

Session D: Cogeneration: Bagasse and additional fuels

Chair : Suleiman Hassuani

2:00 p.m.	<ul style="list-style-type: none"> • An overview of co-generation at Racecourse Mill <p>Bryan LAVARACK, Mackay Sugar, Australia</p>
2.45 p.m.	<ul style="list-style-type: none"> • Lessons from Okeelanta Power <p>Mike INKSON, Sugar Knowledge International, England</p>
3.30 p.m.	Coffee Break
4.00 p.m.	<ul style="list-style-type: none"> • An Indian Experience on the Use of Biomass as fuel in the Boiler <p>Rajagopalan CHANDRAMOULI, Ponni Sugars, India</p>
4.30 p.m.	<ul style="list-style-type: none"> • Bagasse steam drying <p>Pedro AVRAM-WAGANOFF, IPRO, Germany</p>
05.00 p.m.	<ul style="list-style-type: none"> • A brief history and present situation of the export of electricity to the Grid by sugar cane industries in Brazil <p>Manoel Regis LIMA VERDE LEAL, CTBE, Brazil</p>
05.30 p.m.	End of Session

WEDNESDAY 2 DECEMBER 2015

Site Visit

OMNICANE

8:30 a.m.	<ul style="list-style-type: none"> • Departure from Holiday Inn
9:00 a.m.	<ul style="list-style-type: none"> • Omnicanne cluster Arrival and site visit
1:00 p.m.	Lunch
3.00 p.m.	<ul style="list-style-type: none"> • Return to Hotel

THURSDAY MORNING: 3 DECEMBER 2015

Session E: Collection and usage of trash

Chair : Mike Inkson

9:00 a.m.	<ul style="list-style-type: none"> • Sugar cane trash recovery systems in Brazil: Their advantages and disadvantages Marcelo PIEROSI, Agroperforma, Brazil
9.30 a.m.	<ul style="list-style-type: none"> • Cane trash collection and use in Terragen cogeneration power plant Ariane PRINCE and Jean-Michel GÉRARD, Terragen, Mauritius
10.00 a.m.	<ul style="list-style-type: none"> • The SUCRE Project – Sugar cane Renewable Electricity and a summary of developments in trash recovery in Brazil Manoel Regis LIMA VERDE LEAL, CTBE, Brazil
10:30 a.m.	Coffee Break
11:00 a.m.	<ul style="list-style-type: none"> • Development of a cane trash burner that burns the trash off cane stalks at the factory as an integral operation of the normal sugar extraction process Herbert Wolfgang BERNHARDT, University of Kwazulu Natal, South Africa
11:30 a.m.	<ul style="list-style-type: none"> • Growing energy cane to produce electricity? Sypecar project in Reunion Island. M. MELLIN, C. ROUSSEL, J.F. MARTINE, C. POSER, CIRAD, France, eRcane, Reunion
12:00	<ul style="list-style-type: none"> • Linking small holder farmers to small manufacturing enterprises through cane trash utilization B. MULIANGA, Caleb Ochia, KALRO- SUGAR RESEARCH INSTITUTE, Kenya
12:30 p.m.	Lunch

THURSDAY AFTERNOON: 3 DECEMBER 2015**Session F: Increasing biomass****Chair : Rajagopalan Chandramouli**

2:00 p.m.	<ul style="list-style-type: none">• Breeding and selection for high fibre sugar cane varieties for energy production in Mauritius Goolam BADALOO, MSIRI, Mauritius
2.30 p.m.	<ul style="list-style-type: none">• Endogeneous and exogeneous coercive constraints on the Mauritius Sugar Industry J R Patrick HAREL and Jean Claude Autrey, Mauritius
3:00 p.m.	Coffee Break

Session G: Ethanol production and Treatment of vinasses**Chair : Pedro Avram-Waganoff**

3.30 p.m.	<ul style="list-style-type: none">• Ethanol as a major coproduct Manoel Regis LIMA VERDE LEAL, CTBE, Brazil
4:00 p.m.	<ul style="list-style-type: none">• A review of the various techniques for handling vinasses Georg STRUENKMANN, IPRO, Germany
4.300 p.m.	<ul style="list-style-type: none">• Technologies developed for the disposal of vinasse Aneza SOOBADAR, MSIRI, Mauritius
5.00 p.m.	Meeting of Co-Products Commission
5.30 p.m.	End of Session

FRIDAY 4 DECEMBER 2015**1. ISBUC Meeting****Chair: Manoel Regis Lima Verde Leal and Jean Claude Autrey**

9:00 a.m.	<ul style="list-style-type: none">• ISBUC origin, mission and summary of last meetings Jean Claude AUTREY, ISSCT, Mauritius
9:45 a.m.	<ul style="list-style-type: none">• Plans for ISBUC role and possible projects Manoel Regis Lima Verde Leal, CTBE, Brazil
10:30 a.m.	Coffee Break
11:00 a.m.	<ul style="list-style-type: none">• Improved cane germplasm for the future

	Jean Claude AUTREY, ISSCT, Mauritius
11:15 a.m.	<ul style="list-style-type: none"> • Gasification as an ISBUC project Lars WALDHEIM, Waldheim Consulting, Sweden
12:00	<ul style="list-style-type: none"> • Gasification as a technology to be fostered David HARRIS, CSIRO, Australia
1:00 p.m.	Lunch
2:00 p.m.	<ul style="list-style-type: none"> • Discussions
3:00 p.m.	<ul style="list-style-type: none"> • Wrap up and way ahead
3:30 p.m.	End of ISBUC Meeting & Coffee Break
FRIDAY: 4 DECEMBER 2015	
2. FIELD VISIT	
8.30 a.m.	<ul style="list-style-type: none"> • Departure from Holiday Inn
9.45 a.m.	<ul style="list-style-type: none"> • Arrival at Terra
10.15 a.m.	<ul style="list-style-type: none"> • Field visit
11.30 a.m.	<ul style="list-style-type: none"> • Departure for l’Aventure du Sucre • Visit and Lunch
2.30 p.m.	<ul style="list-style-type: none"> • Departure for Holiday Inn
FRIDAY Evening: 4 December 2015	
7:30 p.m.	<ul style="list-style-type: none"> • Farewell Dinner
End of Workshop	
SATURDAY 5 /SUNDAY 6 DECEMBER 2015	
Departure of Participants	



ISSCT Secretariat

97 Georgetown Building
St. Jean Road
Quatre Bornes
Mauritius
Tel: +230 465 6800
Fax: +230 465 2961
Email: issct@intnet.mu
Website: www.issct.org