



Agriculture Commission Webinar

Tuesday 27 September 2022

11:00 a.m. GMT

“Aspects of agro-ecological approaches in sugarcane farming systems”

As part of the series of Webinars that have been organized by the ISSCT in 2022 for its different disciplines, the **Agriculture Commission** will hold its **Webinar** on **Tuesday 27 September 2022 at 11 a.m. GMT.**

PROGRAMME

Introduction	Prof. Bernard Schroeder, Agriculture Commissioner and Agronomy Section Chair	5 min
Section 1 Chair: Prof. Bernard Schroeder		
Presentation 1 Dr. Jeff Kraak (Fertiliser Australia)	<i>Does movement towards organic fertilisers impinge on the notion that ‘fertiliser feeds the world’?</i>	20 min
Questions/comments		5 min
Presentation 2 Dr. Hardev Sandhu (University of Florida) and Dr Troy Jensen (University of Southern Queensland)		
	<i>Sensing technology – Useful tools to guide informed decisions on-farm</i>	20 min
Questions/comments		5 min
Section 2 Chair: Mr. Laurent Barau		
Presentation 3 Dr. Mathias Christina (CIRAD)		
	Increasing biodiversity in sugarcane production using cover and companion crops	20 min
Questions/comments		5 min
Presentation 4 Dr. Christophe Poser (CIRAD)		
	<i>Minimum tillage, controlled traffic and crop residue management – fundamentals ensuring sustainable sugarcane production</i>	20 min
Questions/comments		5 min
Summary and conclusions	Dr. Pierre Todoroff Chair, ISSCT Agricultural Engineering Section	10 min

The facilitators/organizers are:

- **Bernard Schroeder**
- **Pierre Todoroff**
- **Laurent Barau**
- **Troy Jensen**

Language

The Webinar will be conducted in English.

Registration

The Registration Form for the Webinar may be accessed through the following link:

<https://us06web.zoom.us/meeting/register/tZUqf--hqktHtRDCJMJ8dlf9twvWvk1BeNr>

The Webinar is only open to compliant members of ISSCT. When you register for the webinar, your registration will be checked against ISSCT membership and payment records, and you will receive an e-mail with the meeting details (Username and Password to access the Webinar). If you have outstanding membership dues, you will be asked to pay these online before your registration is approved. The Individual Membership dues are USD 140 and may be settled through the following link:

http://members.issct.org/appform/issct_india_2022.aspx

Further information

For further information, please contact the ISSCT **Prof. Bernard Schroeder, Agriculture Commissioner and Agronomy Section Chair** at Bernard.Schroeder@usq.edu.au or the ISSCT Secretariat at issct@intnet.mu

Short Biodata about the Presenters

<p>Dr. Hardev Sandhu (University of Florida)</p> <p>Dr. Hardev Sandhu is an Associate Professor in the Agronomy Department of the University of Florida, stationed at the Everglades REC, Belle Glade, Florida. Dr. Sandhu is conducting sugarcane and energycane cultivar development and agronomy research for over 15 years and published almost 100 peer reviewed articles in refereed journals. In collaboration with USDA-ARS, Dr. Sandhu developed 42 sugarcane and 5 energycane cultivars. Dr. Sandhu's agronomic research is focused on developing new management techniques to improve yields and/or reduce inputs for sustainable sugarcane production. The new techniques include the use of sensor technology in sugarcane production system. Dr. Sandhu is currently serving as the editor of the ASSCT journal, the review editor of Journal of crop improvement and the associate editor of Agronomy Journal.</p>	 A portrait of Dr. Hardev Sandhu, a man with dark hair and a mustache, wearing a dark suit jacket, white shirt, and patterned tie. He is standing in front of a background of tall, green sugarcane stalks under a clear sky.
<p>Dr. Mathias Christina (CIRAD)</p> <p>Dr. Christina Mathias is a researcher in plant ecophysiology at CIRAD has been working in La Réunion since 2017 on sugarcane innovative cropping systems based on companion crops. Previously, he worked at INRAE on the ecology of an invasive species (European gorse) and at the University of Sao Paulo (Brazil) on the adaptation of Eucalyptus forest plantations to drought. His main interests are the interactions between plants (competition and facilitation) and their responses to climate variability.</p>	 A portrait of Dr. Mathias Christina, a man with short dark hair, wearing a dark blue jacket over a blue shirt. He is smiling slightly and looking towards the camera. The background is an indoor setting with a window.
<p>Dr. Jeff Kraak (Fertilizer Australia)</p> <p>Dr. Jeff Kraak grew up on a sugarcane farm in Australia and followed his interest in soils and plants by studying at Queensland Agricultural College. He has a long history in the Australian fertilizer industry in a range of sales, marketing and technical support roles. A large proportion of his professional life was spent with Incitec. Having worked across much of eastern Australia, Jeff has had exposure to industries such as sugar cane, horticulture, grains and intensive pasture. Jeff is now part of Fertilizer Australia. His main area of responsibility is to manage the industries environment and food safety stewardship program Fertcare. Jeff is passionate about optimising the benefits of fertilizer and soil amendments while managing the risks associated with their end use.</p>	 A portrait of Dr. Jeff Kraak, an older man with short grey hair, wearing a dark suit jacket over a purple shirt. He is smiling broadly and looking towards the camera. The background is a neutral, light-colored wall.

Dr. Christophe Poser (CIRAD)

Christophe Poser is an agro economist specialized in sugarcane with 30 years of experience. He has been working in research and production in several countries such as Mauritius, Vietnam, Guadeloupe (WI), and Reunion Island. His research studies and expertise were focused mainly on mechanization, soil structure in the agro-system banana-SC rotation, cane and environment, agro-ecological practices, energy cane and sugarcane eco-physiology in highlands in Reunion where he did his PhD. At present he is the CIRAD Sugarcane advisor in Montpellier and he is still involved in several projects on agro-ecology.

