



First Workshop on Linking Sustainability to Soil Microbiome

November 22 and 23, 2017

Instituto Agronômico - Av. Barão de Itapura, 1481, Botafogo, Campinas, SP

This workshop joins Brazilian and Dutch researchers who are active in the field of crop production, soil biodiversity and environment, beneficial microbes, and meta 'omics and environmental data integration. The goal of the workshop is to share results from ongoing bilateral Fapesp, CNPq and NWO projects, and to initiate new partnerships.

To register and for information: iacnioo@gmail.com

Registration deadline: 10 November, 2017

Language: Portuguese/English

PROGRAM	
November 22th	
9h 00	Open Session
Session 1: Management and greenhouse gases emission	
9h 15	Recent advances in greenhouse gases emissions in sugarcane fields Heitor Cantarella, IAC
9h 45	Vinasse destination in sugarcane: risks, benefits and opportunities Raffaella Rossetto, APTA
10h 15	Break time
10h 40	How nitrification inhibitors can decrease N₂O emissions in sugarcane Johnny Rodrigues Soares, Unicamp

11h 10	Vinasse microbiome dynamics from sugarcane bioethanol mill Noriko Cassman, NIOO-KNAW
11h 40	Panel discussion
12h 10	Lunch time
Session 2: Soil functioning and microbiome	
13h 30	Studies to improve biofuel sustainability: targeting nitrogen bottlenecks Eiko Kuramae, NIOO-KNAW
14h 00	Microbial indicators in soil with sugarcane Acácio A. Navarrette, UFSCar
14h 30	Exploring soil microbial 16S rRNA sequence data to increase carbon yield and nitrogen efficiency Leonardo M. Pitombo, UFSCar
15h 00	Break time
15h 15	Soil microbiome associated with greenhouse gases emission in sugarcane Eiko Kuramae, NIOO-KNAW
15h 45	GHG emissions associated with sugarcane crop management – What is next? Bruna G. O. Carvalho, IAC
16h 15	Microalgae as a solution to recover nitrogen and phosphorus Gustavo Ribeiro, UNESP
16h 45	From toilet to agriculture: impact of microalgae as fertilizer on soil microbiome, greenhouse gases emissions and plant growth Afnan Suleiman, NIOO-KNAW
17h 15	Panel discussion
November 23th	
Session 3: Plant-microbe interaction	
9h 00	How microorganisms can improve crop production Adriana P. D. da Silveira, IAC
9h 30	Effects of bacterial inoculation on sugarcane growth, physiology and assembly of rhizo and endosphere bacterial community Eiko Kuramae, NIOO-KNAW

10h 00	Modulation of aluminum tolerance in sugarcane seedlings by endophytic bacteria Elaine G. Labanca, IAC
10h 30	Break time
10h 45	Rhizobacteria on field crop Matheus A. P. Cipriano, IAC
11h 15	Contribution of arbuscular mycorrhiza to plant mineral balance and abiotic stress attenuation Sara A. L. Andrade, Unicamp
11h 45	Panel discussion and Closing