

# NUTRI2CYCLE SUMMER SCHOOL

Transition towards a more carbon, nitrogen, and phosphorus efficient agriculture in Europe



## PROGRAMME

Monday 16.09.2019  
(E3 Auditorium)

**10:00** Opening. Reception with coffee

**10:30** Welcome to Ghent. Introduction to the Nutri2Cycle project, *Dr. Evi Michels, UGent*

**11:00** **SESSION 1.** Towards more efficient and sustainable nutrient management in Europe. *Keynote: Prof. Erik Meers, UGent*

**11:30** Pitches

**12:00** Discussion

**12:30** Lunch break

**13:30** **SESSION 2.** Soil health: the chemical, the physical and the biological – effects of organic manures. *Keynote: Dr. Patrick Forrester, Teagasc*

**14:00** Pitches

**14:30** Discussion

**14:45** Coffee break



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**15:15**    **SESSION 3.** Environmental assessment of biobased fertilizer solutions.  
*Keynote: Prof. Lars Stoumann Jensen, University of Copenhagen*

**16:30**    Pitches

**17:00**    Discussion

**17:30**    **Conclusions and remarks**

**18:00**    **Networking drink**

**Tuesday 17.09.2019**  
**(Block B-O)**

**09:15**    **SESSION 4.** Biobased fertilizers and soil enhancers from agro-residues  
*Keynote: Dr. Ivona Sigurnjak, UGent*

**09:45**    Pitches

**10:15**    Discussion

**10:30**    **Coffee Break**

**11:00**    **SESSION 5.** Novel feeds produced from agro-residues  
*Keynote: TBC*

**11:30**    Pitches

**12:00**    Discussion

**12:15**    **Sandwich lunch**



**13:15**

**Departure to INAGRO**

**14:00** Arrive at INAGRO (knowledge partner of agricultural and horticultural businesses in the areas of innovation and sustainability)

**16:00** Back to Gent

**17:30**

**Boat trip and Gent city tour**

**Wednesday 18.09.2019**

**(AUDITORIUM E3)**

***Only for pre-registered participants***

**09:00** Excursion to **AMPower (Demonstration plant)**, the largest biogas plant in Belgium which has a treatment capacity of 180 000 ton.

**12:30** Back to Gent

**13:00** Lunch

**(AUDITORIUM E3)**

**SYSTEMIC Workshop**

**Biogas plants as biorefineries for nutrient recycling**

**13:50** Welcome

**14:00** SYSTEMIC: large scale eco-innovation to advance the circular economy and mineral recovery from organic waste in Europe, *Oscar Shoumans, Wageningen Research (SYSTEMIC Coordinator)*

**14:30** Potential of biogas as producers of renewable energy and fertilisers, *Gregory Reuland, European Biogas Association*



**14:45** Nutrient mass flow analysis in digestate treatment processes at the SYSTEMIC demonstration plants, *Claudio Brienza, UGent*

**15:00** Poster session (ongoing research on nutrient recovery from AD installations)  
& Coffee break

**15:45** From lab to field: precision fertilization of biobased fertilizers, *Prof. Fabrizio Adani, University of Milan*

**16:15** Nutrient recovery and fertilizer industry: perspective from an international chemical company, *Dr. Marina Ettl, YARA*

**16:45** Discussion and close up

**17:00** Poster session & Networking drink

**19:00** Dinner

**Thursday 19.09.2019**  
**(Block C)**

**09:00** The importance of nutrient recycling in the food industry  
*Keynote: TBC*

**10:00** Collaboration Workshop

**11:30** Wrapping up

**12:00** Lunch & Goodbye



The Nutri2Cycle Summer School was organized by:



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