

NUTRI2CYCLE SUMMMER SCHOOL

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



CONFERENCE 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



This project receives funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under Grant Agreement no. No 773682

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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