

Program COST HUPLANTcontrol final meeting

23 – 25 June 2021

Online meeting with live broadcast & streaming service

Wednesday 23 June (joined program HUPLANTcontrol & MicrobiomeSupport)

(Broadcast from a live studio, streamed to all participants)

Theme: *'systems ecology in relation to circularity and sustainability'*

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| 12.45 – 13.00 | Registration |
| 13.00 – 13.15 | Opening address (Angela Sessitsch (AIT), Hauke Smidt (Wageningen), Leo van Overbeek (WUR)) |
| 13.15 - 14.00 | Presentation by Remco Kort (Artis Micropia) |
| <i>Innovative Actions presentations</i> | |
| 14.00 – 14.15 | 'CIRCLES' |
| 14.15 – 14.30 | 'HoloFood' |
| 14.30 – 14.45 | 'MASTER' |
| 14.45 – 15.00 | 'SIMBA' |
| 15.00 – 15.15 | Break |
| 15.15 – 16.00 | Breakout sessions |
| 16.00 - 16.30 | Feedback (plenary) |

Thursday 24 June (HUPLANTcontrol EC- presentations)

(Streamed via MS Teams / Zoom)

Theme 1: management of human pathogens in plant production systems

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| 09.00 – 09.15h | walk in |
| 09.15 – 10.00h | Invited keynote speaker - Lise Korsten (Pretoria), The Microbiome in our food basket what have we learned from the farm to the plate? |
| 10.00 – 10.15 h | Jen Banach - Safe and Save Water: Lessons learned and future endeavors |
| 10.15 – 10.30 h | Leilei Li - The effect of chitin amendment on lettuce growth and defense reactions |
| 10.30 – 10.45h | Simone Wartha - Handling of <i>Listeria monocytogenes</i> at primary production and processing of Food of Non-Animal Origin (FNAO) |
| 10.45 – 11.00h | break |
| 11.00 – 11.30h | HUPLANTcontrol keynote speaker - Fiona Brennan (Teagasc), agronomy and agricultural management |
| 11.30 – 11.45 h | Katharina Detert - Survival of enterohemorrhagic <i>E. coli</i> O157:H7 and O104:H4 strains in soil is influenced by temperature, soil type, and manure application |
| 11.45 – 12.00 h | Matias Pasquali - Can an infected banana be the source of a fungal disease for humans |
| 12.00 – 12.15 h | Daniela Bulgari - Bacteria isolated from commercial biostimulants: motility properties and enteropathogenic potential |
| 12.15 – 13.30 h | Lunch |

Theme 2: the role of the plant microbiome in spread and control of human pathogens

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| 13.30 – 14.00 h | HUPLANTcontrol keynote speaker - Adam Shikora (JKI), <i>Salmonella</i> adaptation to plant environment |
| 14.00 - 14.15 h | Guzel Mustafa - Identification and characterization of 33 <i>Bacillus cereus sensu lato</i> Isolates from agricultural fields from |

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| | eleven widely distributed countries by whole genome sequencing |
| 14.15 – 14.30 h | Frank Lake - Genomic characterization of <i>Listeria monocytogenes</i> isolated from <i>Agaricus bisporus</i> mushroom production facilities |
| 14.30 – 14.45 h | Luzia Stalder - The functional ecology of plant microbiome interactions linked to human pathogenic <i>Pseudomonas</i> bacteria |
| 14.45 – 15.00 h | break |
| 15.00 – 15.45 h | Invited keynote speaker – Maria Brandl (USDA) The Plant Microbiome and Produce Safety: Recent Advances in our Understanding toward Future Applications |
| 15.45 – 16.00 h | Laura Elpers - Influence of temperature on the colonization of salad by <i>Salmonella</i> |
| 16.00 – 16.15 h | Elina Zhao - Prevalence, attachment ability and strength of <i>Bacillus cereus</i> and <i>Bacillus thuringiensis</i> on tomato |
| 16.15 – 16.30 h | Sascha Patz - PLaBAs: An integrated web-platform for plant-associated bacteria & plant growth-promoting traits (PGPT) annotation |
| 16.30 – 16.35 h | Closure & summary of the day |

Friday 25 June (HUPLANTcontrol moderated discussions)

(Broadcast from a live studio, streamed to all participants)

Breakout sessions around 3 topics with moderators with three sub sessions (invited stakeholders - tbc)

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| 09.00 – 09.15h | Opening |
| 09.15 – 10.00h | Session 1 - Discussion session on microbial consequences related to circular food production systems. Panel: Fiona Brennan, Gro Johannessen, ECR |
| 10.00 – 10.15h | break |
| 10.15 – 11.00h | Session 2 - Discussion session on antibiotic resistance and horizontal gene transfer Panel: Gabriele Berg, Kornelia Smalla |
| 11.00 – 11.15h | break |
| 11.15 – 12.00h | Session 3 – Discussion session on biocontrol and Food safety (Bt as example) Panel: Mieke Uyttendaele, Daniel Zommick, ECR |
| 12.00 – 12.30h | reporting by moderators and conclusions and closure |