

## Template for reports to be uploaded on the public website of HuplantControl

A short report must be written for all activities funded by the EU Cost Action CA16110, the 'HuplantControl' project. The report will be made available on the public website of HuplantControl. Please use this template to record your activity.

Make sure to use simple English which is easy to understand and be clear on what you want to say. Ask a member of your team to check it for you before submitting your completed report to Diogo Proenca at [diogo.proenca@gmail.com](mailto:diogo.proenca@gmail.com)

Item	Comments	Suggested length, items to add value to your report
<b>Type of Report</b>	<i>workshop</i>  4 <sup>th</sup> International Workshop on Interactions between crop plants and human pathogens	Limit 100 words
<b>Period activity undertaken</b>	6/12/2019	
<b>HuplantControl Working Group under which the activity falls</b>	Joint action between: WG1. Ecology of HP MO in plants and in environments relevant for plant production. and WG4. Agricultural practices and sanitary measures undertaken for the control of HP MO in APS.	
<b>Brief background and outcomes of activity</b>	Food-borne disease outbreaks resulting from consumption of plant-derived fresh produce have been reported worldwide. It is clear that particular groups of human pathogenic micro-organisms (HPMO) can find their ecological niches in plant production systems. Basic resources for agro-production, such as soils, water and fertilizers can play a role in contamination of plants, but micro-organisms taxonomical closely related with HP MO are also present in plant microbiomes. Therefore, HP MO must be considered as integral components of the plant microbiome. This workshop was 4th International Workshop on Interactions between crop plants and human pathogens, and was jointly organized by WG1 and WG4 of the COST Action HUPLANTcontrol. The meeting took place at the Austrian Institute of Technology (AIT) in Tulln. We brought together 22 researchers, company members and stakeholders from diverse European countries as well as Turkey, India and USA for a one day workshop. The main focus was interactions between human pathogens and crop plants. We concentrated on two questions: <b>How agricultural management, crop plant and soil influence the ecology of HPs?</b> This included six talks demonstrating the different aspects of the impact of agricultural practices, breeding and agricultural environment on the persistence of human pathogens in plant production systems. The second part of the workshop focused around the question: <b>What is the impact of the plant microbiome, as reservoir of ARGs and virulence factors, on the plasticity of HP?</b> In this session six talks were given, which highlighted the importance of native microbiome in production systems	Limit 300 words. Provide pictures or link to online pictures but make sure you comply with General Data Protection Regulation rules. Provide links to the resources from the activity if these are hosted online.
<b>Completed by</b>	Adam Schikora, JKI Braunschweig.	
<b>Date of Completion</b>	22.01.2020	

*What to expect after submission* – Diogo will circulate to the HuPlantControl web-team for clearance before publicity on the website. If there are any queries Diogo will get back to you. *Thank you*

Photo: Participants of the 4<sup>th</sup> International Workshop on Interactions between Human Pathogens and Crop Plants.

