



## 17<sup>th</sup> meeting of the IOBC/wprs Working Group „Integrated Control in Oilseed Crops“

University of Zagreb Faculty of Agriculture

Svetošimunska 25, Zagreb, Croatia

1 <sup>st</sup> day – 18 September (TUESDAY)						
09:00 – 11:00	Registration					
General						
11:00	Gosia Jedryczka, Sam Cook, Ivan Juran	Welcome				
11:15	Giselher Grabenweger	Introduction to IOBC				
11:30	Marina Brčić	Rapeseed production in Croatia and future potential for area and yield increase				
11:50	Ivan Juran	Resistance monitoring of the most important economical harmful organisms in Croatia - national programe				
12:10 – 13:15	Lunch					
<b>Entomology session 1</b> Insects in oilseeds and alternative control options Chair: Sam Cook			<b>Pathology session 1a</b> Clubroot transcriptomes and host resistance Chair: Jutta Ludwig Müller			
13:15	Sam Cook	Introduction		13:15	Gosia Jedryczka	Introduction
13:20	Laurent Ruck	Are resistant varieties to Turnip Yellow Virus the solution against rapeseed virus' transmitted by aphids?		13:20	Nazanin-Zamani Noor	The overview of the clubroot incidence and variation in the pathotypes of <i>Plasmodiophora brassicae</i> populations in Europe
13:40	Wolfgang Büchs	Potential to minimize insecticide use by selenium fertilization in winter oilseed rape		13:40	Elke Diederichsen	Clubroot disease and its biocontrol using host resistance
14:00	Jonathan Willow	Does distance matter? An investigation into the effect of distance of the previous oilseed rape crops on abundance of pollen beetle		14:00	Arne Schwelm	Analyses of clubroot transcriptomes

14:20	Poster session		14:20	Birger Koopmann	Molecular analysis of bulk soil samples for <i>Plasmodiophora brassicae</i> inoculum and spatial distribution of resting spores in a patchy infested winter oilseed rape field
			14:40	Noor Ramzi	Identification of clubroot resistance sources from world gene bank accessions
			14:50	Janetta Niemann	Introduction of clubroot resistance to rapeseed through interspecific hybridization
15:00 – 15:20	<b>Coffee break</b>				
<b>Entomology session 2</b> Biology, Behaviour and Control of Cabbage Stem Flea Beetle Chair: Céline Robert			<b>Pathology session 1b</b> IPM strategies for clubroot control Chair: Elke Diederichsen		
15:20	Nils Conrad	Investigations on biology of cabbage stem flea beetle	15:20	Ann-Charlotte Wallenhammar	Integrated management of clubroot in WOSR using resistant cultivars in soils with different inoculums levels
15:40	Anita Štivičić	Population dynamic and sex ratio of cabbage stem flea beetle in Croatia	15:40	Jutta Ludwig Müller	Biological control of clubroot ( <i>Plasmodiophora brassicae</i> ) by an endophytic fungus
16:00	Sacha White	Investigating non-chemical control options for cabbage stem flea beetle in oilseed rape	16:00	Birgit Jensen	Seed coating with the fungal biocontrol agent <i>Clonostachys rosea</i> control clubroot in oilseed rape
16:20	Sam Cook	Ecology and distribution of cabbage stem flea beetle and its parasitoids in UK oilseed rape crops: steps towards Integrated Pest Management	16:15	Nazanin-Zamani Noor	Effects of calcium cyanamide, burnt lime and cultivar resistance on suppression of clubroot disease in oilseed rape cultivation
			16:30	Andrzej Brachaczek	Impact of mepiquat chloride on root development system in oilseed rape
17:00	<b>Evening excursion: wine tasting</b>				

2 <sup>nd</sup> day – 19 September (WEDNESDAY)					
<b>Joint session</b>					
Chairs: Lenka Burketová and Giselher Grabenweger					
9:00	Gosia Jedryczka	An overview of pathogen and insect threats to fibre and oilseed hemp ( <i>Cannabis sativa</i> L.) and methods for their biocontrol			
9:30	Sam Cook	IPM in OSR: a need not an option!			
10:00	Deborah Kaiser	Biological control of pollen beetles with the entomopathogenic fungus <i>Beauveria bassiana</i> – the role of UV-protection in open field application			
10:30	Regine Delourme	Quantitative resistance to clubroot and interactions with abiotic stresses			
11:00 – 11:20	<b>Coffee break</b>				
<b>Entomology session 3</b> Insecticide resistance Chair: Ivan Juran			<b>Pathology session 2</b> Quantitative and qualitative resistance to stem canker Chair: Birger Koopmann		
11:20	Meike Brandes	Pyrethroid resistance of insect pests of oilseed rape in Germany	11:20	Olufadekemi Fajemisin	Effects of three fungicides on <i>Leptosphaeria maculans</i> isolates collected in the Czech Republic
11:40	Stepanka Radova	Insecticide resistance of the most important insect pests in oilseed rape in the Czech Republic – dissemination of information among farmers	11:40	Dima Alnajjar	PhomaDur – Improvement of quantitative resistance to stem canker in oilseed rape
12:00	Nikoleta Rubil	Description of the situation regarding pollen beetle resistance to insecticides in the Czech Republic and Slovakia	12:00	Joanna Kaczmarek	Screening and identification of resistance to stem canker ( <i>Leptosphaeria</i> spp.) and downy mildew ( <i>Hyaloperonospora brassicae</i> ) in <i>Brassica</i> hybrids
12:20	Sabrina Botherel	Pyrethroid insecticide resistance in French populations of cabbage stem flea beetle and rape winter stem weevil	12:15	Georgia Mitrousia	Prediction of ascospore release of <i>Leptosphaeria</i> spp. to improve timing of fungicide applications
12:40	Franziska Beran	The cabbage stem flea beetle combines several different strategies to overcome the chemical defence in oilseed rape	12:30	Lenka Burketová	<i>Leptosphaeria</i> species causing blackleg disease in oilseed rape and <i>L. maculans</i> race incidence in the Czech Republic
			12:45	Jaroslav Šafář	The signalling of fungal treatments of oilseed rape against <i>Sclerotinia sclerotiorum</i> and <i>Phoma lingam</i>
13:00 – 14:00	<b>Lunch</b>				
14:00	<b>Excursion and conference dinner</b>				

3 <sup>rd</sup> day – 20 September (THURSDAY)					
Entomology session 4 Effects of insecticides on pests of OSR and their natural enemies Chair: Meike Brandes			Pathology session 3 Recent advances in <i>Sclerotinia</i> , <i>Verticillium</i> and viruses research on OSR Chair: Pavel Ryšánek		
9:00	Stepanka Radova	Situation regarding important insect pests in oilseed rape in the Czech Republic after four years without neoniconinoid insecticidal seed treatments	9:00	Caroline Young	Forecasting <i>Sclerotinia</i> infection in UK oilseed rape
9:20	Katharina Lohaus	Efficacy of alternative seed coatings against autumn insect pests of winter oilseed rape	9:20	Ann-Charlotte Wallenhammar	Detection of ascospore release of <i>Sclerotinia sclerotiorum</i> with real time PCR an important tool in understanding disease development in winter OSR
9:40	Marek Seidenglanz	Does the assessment of eggs in <i>C. pallidactylus</i> and <i>C. napi</i> ovaries in springs make possible a date for one common spray treatment effective effective against both weevils and pollen beetles?	9:35	Nazanin Zamani-Noor	Efficacy evaluation of different group of fungicides on control of <i>Sclerotinia sclerotiorum</i> and yield of winter oilseed rape
10:00	Johannes Hausmann	Preconditions for pod infestation by brassica pod midge ( <i>Dasineura brassicae</i> ) and control options	9:50	Annette Penaud	Evolution of SDHI fungicide resistance in <i>Sclerotinia sclerotiorum</i> in France
10:20	Wolfgang Büchs	Pyrethroid insecticides in oilseed rape - are they responsible for morphological variations of <i>Oedothorax apicatus</i> Blackwall, 1850 (Araneae: Linyphiidae)?	10:05	Marta Vega Marin	Biocontrol potential by the apathogenic A1/D2 lineage of <i>V. longisporum</i> against pathogenic strains of <i>V. longisporum</i> and their interaction with roots of oilseed rape.
10:40	Johannes Hausmann	Insecticide application in oilseed rape with the dropleg technique – Impact on insect pests and their parasitoids	10:25	Birger Koopmann	Lineage monitoring of <i>V. longisporum</i> in European and Canadian oilseed rape fields and first steps towards analysis of genetic diversity using GBS
			10:45	Veronika Konradyová	Virus diseases of oilseed rape ( <i>Brassica napus</i> subs. <i>napus</i> ) in the Czech Republic
11:00 – 11:20	Coffee break				

Joint session		
11:20	Chairs of entomology and pathology sessions	Summary of each session (5 min each)
12:00	Gosia Jedryczka & Sam Cook	Where we are and perspectives
12:10	Regine Delourme, Jutta Ludwig Müller & Gosia Jedryczka	Next meetings
12:25	Ivan Juran & Giselher Grabenweger	Closing
12:30 – 13:30	<b>Lunch</b>	
	A room will be available for afternoon meetings if desired	
	Departure	

*General, joint and pathology sessions – **room VI/A***

*Entomology session – **room VI/B***

*Poster session, lunch, coffee breaks – **main hall***