**17th meeting of the IOBC/wprs Working Group „Integrated Control in Oilseed Crops“**
University of Zagreb Faculty of Agriculture
Svetošimunška 25, Zagreb, Croatia

**1st day – 18 September (TUESDAY)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Registration</td>
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<tr>
<td>11:00</td>
<td>General</td>
<td>Gosia Jedryczka, Sam Cook &amp; Ivan Juran</td>
<td>Welcome</td>
</tr>
<tr>
<td>11:15</td>
<td>General</td>
<td>Giselher Grabenweger</td>
<td>Introduction to IOBC</td>
</tr>
<tr>
<td>11:30</td>
<td>General</td>
<td>Marina Brčić</td>
<td>Rapeseed production in Croatia and future potential for area and yield increase</td>
</tr>
<tr>
<td>11:50</td>
<td>General</td>
<td>Ivan Juran</td>
<td>Resistance monitoring of the most important economical harmful organisms in Croatia - national programme</td>
</tr>
<tr>
<td>12:10</td>
<td>Lunch</td>
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<tr>
<td>13:00</td>
<td>Entomology session 1</td>
<td>Sam Cook</td>
<td>Insects in oilseeds and alternative control options</td>
</tr>
<tr>
<td>13:15</td>
<td>Entomology session 1</td>
<td>Sam Cook</td>
<td>Introduction</td>
</tr>
<tr>
<td>13:15</td>
<td>Pathology session 1a</td>
<td>Gosia Jedryczka</td>
<td>Clubroot transcriptomes and host resistance</td>
</tr>
<tr>
<td>13:20</td>
<td>Entomology session 1</td>
<td>Laurent Ruck</td>
<td>Are resistant varieties to Turnip Yellow Virus the solution against rapeseed virus transmitted by aphids?</td>
</tr>
<tr>
<td>13:20</td>
<td>Pathology session 1a</td>
<td>Nazanin-Zamani Noor</td>
<td>The overview of the clubroot incidence and variation in the pathotypes of <em>Plasmodiophora brassicae</em> populations in Europe</td>
</tr>
<tr>
<td>13:40</td>
<td>Entomology session 1</td>
<td>Wolfgang Büchs</td>
<td>Potential to minimize insecticide use by selenium fertilization in winter oilseed rape</td>
</tr>
<tr>
<td>13:40</td>
<td>Pathology session 1a</td>
<td>Elke Diederichsen</td>
<td>Clubroot disease and its biocontrol using host resistance</td>
</tr>
<tr>
<td>14:00</td>
<td>Entomology session 1</td>
<td>Jonathan Willow</td>
<td>Does distance matter? An investigation into the effect of distance of the previous</td>
</tr>
<tr>
<td>14:00</td>
<td>Pathology session 1a</td>
<td>Arne Schwelm</td>
<td>Analyses of clubroot transcriptomes</td>
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*Chair: Sam Cook*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>14:20</td>
<td>Poster session</td>
<td>Birger Koopmann</td>
<td>Molecular analysis of bulk soil samples for <em>Plasmodiophora brassicae</em> inoculum and spatial distribution of resting spores in a patchy infested winter oilseed rape field</td>
</tr>
<tr>
<td>14:40</td>
<td></td>
<td>Noor Ramzi</td>
<td>Identification of clubroot resistance sources from world gene bank accessions</td>
</tr>
<tr>
<td>14:50</td>
<td></td>
<td>Janetta Niemann</td>
<td>Introduction of clubroot resistance to rapeseed through interspecific hybridization</td>
</tr>
<tr>
<td>15:00 - 15:20</td>
<td><strong>Coffee break</strong></td>
<td></td>
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</tr>
<tr>
<td>15:20</td>
<td>Entomology session 2</td>
<td>Nils Conrad</td>
<td>Investigations on biology of cabbage stem flea beetle</td>
</tr>
<tr>
<td>15:40</td>
<td></td>
<td>Anita Štivičić</td>
<td>Population dynamic and sex ratio of cabbage stem flea beetle in Croatia</td>
</tr>
<tr>
<td>16:00</td>
<td></td>
<td>Sacha White</td>
<td>Investigating non-chemical control options for cabbage stem flea beetle in oilseed rape</td>
</tr>
<tr>
<td>16:20</td>
<td></td>
<td>Sam Cook</td>
<td>Ecology and distribution of cabbage stem flea beetle and its parasitoids in UK oilseed rape crops: steps towards Integrated Pest Management</td>
</tr>
<tr>
<td>16:00</td>
<td>Pathology session 1b</td>
<td>Ann-Charlotte Wallenhammar</td>
<td>Integrated management of clubroot in WOSR using resistant cultivars in soils with different inoculums levels</td>
</tr>
<tr>
<td>15:40</td>
<td></td>
<td>Jutta Ludwig Müller</td>
<td>Biological control of clubroot (<em>Plasmodiophora brassicae</em>) by an endophytic fungus</td>
</tr>
<tr>
<td>16:00</td>
<td></td>
<td>Birgit Jensen</td>
<td>Seed coating with the fungal biocontrol agent <em>Clonostachys rosea</em> control clubroot in oilseed rape</td>
</tr>
<tr>
<td>16:15</td>
<td></td>
<td>Nazanin-Zamani Noor</td>
<td>Effects of calcium cyanamide, burnt lime and cultivar resistance on suppression of clubroot disease in oilseed rape cultivation</td>
</tr>
<tr>
<td>16:30</td>
<td></td>
<td>Andrzej Brachaczek</td>
<td>Impact of mepiquat chloride on root development system in oilseed rape</td>
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<tr>
<td>17:00</td>
<td><strong>Evening excursion: wine tasting</strong></td>
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### 2nd day – 19 September (WEDNESDAY)

#### Joint session
Chairs: Lenka Burketová and Giselher Grabenweger

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Gosia Jedryczka</td>
<td>An overview of pathogen and insect threats to fibre and oilseed hemp (<em>Cannabis sativa</em> L.) and methods for their biocontrol</td>
</tr>
<tr>
<td>9:30</td>
<td>Sam Cook</td>
<td>IPM in OSR: a need not an option!</td>
</tr>
<tr>
<td>10:00</td>
<td>Deborah Kaiser</td>
<td>Biological control of pollen beetles with the entomopathogenic fungus <em>Beauveria bassiana</em> – the role of UV-protection in open field application</td>
</tr>
<tr>
<td>10:30</td>
<td>Regine Delourme</td>
<td>Quantitative resistance to clubroot and interactions with abiotic stresses</td>
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</tbody>
</table>

#### Coffee break

#### Entomology session 3
Chair: Ivan Juran

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:20</td>
<td>Meike Brandes</td>
<td>Pyrethroid resistance of insect pests of oilseed rape in Germany</td>
</tr>
<tr>
<td>11:40</td>
<td>Stepanka Radova</td>
<td>Insecticide resistance of the most important insect pests in oilseed rape in the Czech Republic – dissemination of information among farmers</td>
</tr>
<tr>
<td>12:00</td>
<td>Nikoleta Rubil</td>
<td>Description of the situation regarding pollen beetle resistance to insecticides in the Czech Republic and Slovakia</td>
</tr>
<tr>
<td>12:20</td>
<td>Sabrina Botherel</td>
<td>Pyrethroid insecticide resistance in French populations of cabbage stem flea beetle and rape winter stem weevil</td>
</tr>
<tr>
<td>12:40</td>
<td>Franziska Beran</td>
<td>The cabbage stem flea beetle combines several different strategies to overcome the chemical defence in oilseed rape</td>
</tr>
</tbody>
</table>

#### Pathology session 2
Chair: Birger Koopmann

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>11:20</td>
<td>Olufadekemi Fajemisin</td>
<td>Effects of three fungicides on <em>Leptosphaeria maculans</em> isolates collected in the Czech Republic</td>
</tr>
<tr>
<td>11:40</td>
<td>Dima Alnajar</td>
<td>PhomaDur – Improvement of quantitative resistance to stem canker in oilseed rape</td>
</tr>
<tr>
<td>12:00</td>
<td>Joanna Kaczmarek</td>
<td>Screening and identification of resistance to stem canker (<em>Leptosphaeria</em> spp.) and downy mildew (<em>Hyaloperonospora brassicae</em>) in <em>Brassica</em> hybrids</td>
</tr>
<tr>
<td>12:15</td>
<td>Georgia Mitrousia</td>
<td>Prediction of ascospore release of <em>Leptosphaeria</em> spp. to improve timing of fungicide applications</td>
</tr>
<tr>
<td>12:30</td>
<td>Lenka Burketová</td>
<td><em>Leptosphaeria</em> species causing blackleg disease in oilseed rape and <em>L. maculans</em> race incidence in the Czech Republic</td>
</tr>
<tr>
<td>12:45</td>
<td>Eva Plachka</td>
<td>The signalling of fungal treatments of oilseed rape against <em>Sclerotinia sclerotiorum</em> and <em>Phoma lingam</em></td>
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#### Lunch

#### Excursion and conference dinner
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Stepanka Radova</td>
<td>Situation regarding important insect pests in oilseed rape in Czech</td>
<td>9:00</td>
<td>Caroline Young</td>
<td>Forecasting Sclerotinia infection in UK oilseed rape</td>
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<td>Republic after four years without neonicinoid insecticidal seed</td>
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<td></td>
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<td>treatments</td>
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<tr>
<td>9:20</td>
<td>Katharina Lohaus</td>
<td>Efficacy of alternative seed coatings against autumn insect pests of</td>
<td>9:20</td>
<td>Ann-Charlotte</td>
<td>Detection of ascospore release of Sclerotinia sclerotiorum with real</td>
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<td></td>
<td></td>
<td>winter oilseed rape</td>
<td></td>
<td>Wallenhammar</td>
<td>time PCR an important tool in understanding disease development</td>
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<td>in winter OSR</td>
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<tr>
<td>9:40</td>
<td>Marek Seidenglanz</td>
<td>Does the assessment of eggs in C. palidactylus and C. napi ovaries</td>
<td>9:35</td>
<td>Nazanin Zamani-Noor</td>
<td>Efficacy evaluation of different group of fungicides on control of</td>
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<td></td>
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<td>in springs make possible a date for one common spray treatment</td>
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<td></td>
<td>Sclerotinia sclerotiorum and yield of winter oilseed rape</td>
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<td>effective effective against both weevils and pollen beetles?</td>
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<td>10:00</td>
<td>Johannes Hausmann</td>
<td>Preconditions for pod infestation by brassica pod midge (Dasineura</td>
<td>9:50</td>
<td>Annette Penaud</td>
<td>Evolution of SDHI fungicide resistance in Sclerotinia sclerotiorum</td>
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<td></td>
<td></td>
<td>brassicae) and control options</td>
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<td>in France</td>
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<tr>
<td>10:20</td>
<td>Wolfgang Büchs</td>
<td>Pyrethroid insecticides in oilseed rape - are they responsible for</td>
<td>10:05</td>
<td>Marta Vega Marin</td>
<td>Biocontrol potential by the apathogenic A1/D2 lineage of V. longisporum</td>
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<td></td>
<td></td>
<td>morphological variations of Oedothorax apicatus Blackwall, 1850</td>
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<td>against pathogenic strains of V. longisporum and their interaction</td>
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<td>(Araneeae: Linyphiidae)?</td>
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<td>with roots of oilseed rape.</td>
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<tr>
<td>10:40</td>
<td>Johannes Hausmann</td>
<td>Insecticide application in oilseed rape with the dropleg technique</td>
<td>10:25</td>
<td>Birger Koopmann</td>
<td>Lineage monitoring of V. longisporum in European and Canadian oilseed</td>
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<td></td>
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<td>– Impact on insect pests and their parasitoids</td>
<td></td>
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<td>rape fields and first steps towards analysis of genetic diversity</td>
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<td>using GBS</td>
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<tr>
<td>11:00</td>
<td>Veronika Konradová</td>
<td>Virus diseases of oilseed rape (Brassica napus subs. napus) in the</td>
<td>10:45</td>
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<td></td>
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<td>Czech Republic</td>
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<tr>
<td>Time</td>
<td>Session</td>
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<tr>
<td>11:20</td>
<td>Chairs of entomology and pathology sessions</td>
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<td>Summary of each session (5 min each)</td>
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<tr>
<td>12:00</td>
<td>Gosia Jedryczka &amp; Sam Cook</td>
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<td></td>
<td>Where we are and perspectives</td>
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<tr>
<td>12:10</td>
<td>Regine Delourme, Jutta Ludwig Müller &amp; Gosia Jedryczka</td>
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<tr>
<td></td>
<td>Next meetings</td>
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<tr>
<td>12:25</td>
<td>Ivan Juran &amp; Giselher Grabenweger</td>
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<td></td>
<td>Closing</td>
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<td>12:30 – 13:30</td>
<td>Lunch</td>
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<td>A room will be available for afternoon meetings if desired</td>
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<td></td>
<td>Departure</td>
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*General, joint and pathology sessions – room VI/A*

*Entomology session – room VI/B*

*Poster session, lunch, coffee breaks – main (entry) hall*