



**Version 12 April, 2024**

EuroBlight workshop 13-16 May, 2024 at de Werelt, the Netherlands.

<b>Monday 13 May</b>	
18:00-21:00	<b>Registration and mounting of posters, de Werelt</b> <ul style="list-style-type: none"> <li>• Registration in the hotel at the poster session area</li> <li>• Mounting of posters</li> <li>• Welcome reception “Get together” (from 19.00)</li> </ul>
<b>Tuesday 14 May</b>	
07:30-08:20	<b>Registration and mounting of posters, de Werelt</b>
08:30-08:50	<b>Opening and organisational remarks</b> <ul style="list-style-type: none"> <li>• <i>Jens G. Hansen</i> / EuroBlight</li> <li>• <i>Geert Kessel</i> / Local organiser, Wageningen Research</li> <li>• <i>Richard Harrison</i> / Managing director Plant Sciences Group, WUR</li> </ul>
<b>Session 1 (Plenum)</b>	<b>Late and early blight - importance and pathogen characteristics. Status in Europe and beyond</b> <i>Chair: Jens G. Hansen, Sub-chair: Alison Lees</i>
08:50-09:20	<b>Late blight and early blight in Europe in 2022 &amp; 2023</b> / <i>Isaac Abuley, Geert Kessel, Jens G. Hansen &amp; Hans Hausladen</i>
09:20-09:40	<b>A dynamic decade: shifts in populations of <i>Phytophthora infestans</i> in Europe and the consequences for late blight management</b> / <i>David Cooke</i>
09:40-09:55	<b>EuroBlight – a consultant’s view over the years</b> / <i>Howard Hinds</i>
09:55-10:05	<b>Status of global networks – key research questions and future directions</b> / <i>Ivette Acuna</i>
10:05-10:20	<b>Discussion</b>
10:20-10:45	<b>Coffee break and poster session</b>
10:45-11:05	<b>The history of EU43 and resistance to mandipropamid in Denmark</b> / <i>Jens G. Hansen</i>
11:05-11:20	<b>Experience of late blight management in Denmark in light of EU43</b> / <i>Lars Bødker</i>
11:20-11:35	<b>Status from Syngenta - Field and environmental diagnostics for monitoring fungicide resistance evolution in <i>P. infestans</i></b> / <i>Lorenzo Borghi</i>
11:35 – 11:50	<b>Status from Corteva – resistance risk management for Oxathiapiprolin</b> / <i>Mamadou Kane Mboup</i>
11:50-12:05	<b>Status of resistance management in potato pathogens and updated FRAC guidelines</b> / <i>Juergen Derpmann</i>

12:05-12:30	<b>Panel Discussion</b>
12:30-13:30	<b>Lunch</b>
<b>Session 2 (Plenum)</b>	<b>Epidemiology and host resistance</b> <i>Chair: Geert Kessel, Sub-chair: Didier Andrivon</i>
13:30-13:45	<b>Spuds, Spores and Potato Dumplings: Aligning Breeding Objectives within the Organic Potato Value Chain / Karen Sieber</b>
13:45-14:00	<b>De novo domestication as a new means to fight late blight / Kim Hebelstrup</b>
14:00-14:15	<b><i>Phytophthora</i> resistance in hybrid potato breeding / Jeroen Berg</b>
14:15-14:30	<b>A KASP marker-based platform to identify the late blight resistance genes in potato varieties / Jack Vossen</b>
14:30-14:45	Discussion
14:45-15:15	Coffee Break
15:15-15:30	<b>Co-infections modulate late blight resistance expression in potato / Didier Andrivon</b>
15:30-15:45	<b>Global Solutions for Late Blight Management: Evaluating the Success of 3 R-Gene Potatoes in the Diverse Agricultural Landscapes of Asia and Africa. / Philip Wharton</b>
15:45-16:00	<b>Review of DSSs: how to include both host resistance and pathogen information / Geert Kessel</b>
16:00-16:15	Discussion
17:15-23:00	<b>Guided walk and Dinner at the hotel</b>

<b>Wednesday 15 May (Morning)</b>	
<b>Session 3 (Plenum)</b>	<b>Control strategies</b> <i>Chair: Faye Ritchie Sub-chair: Bert Evenhuis</i>
08.30-08.45	<b>SwisensPoleno: Real-time assessment of <i>P. infestans</i> sporangia</b> / Tomke Musa and Erny Niederberger
08:45-09:00	<b>Applying CRISPR-Cas technology to bioaerosol environmental DNA for the monitoring of pathogenic species such as <i>P. infestans</i></b> / Anne Parle-McDermott
09:00-09:15	<b>Zampro® Plus, the new BASF fungicide for late blight control</b> / Martin Teichmann
09:15-09:30	<b>Performance of Infinito for control of emerging late blight clones</b> / Albert Schirring
09:30-09:45	<b>Moving forward from a reactive to a proactive &amp; predictive approach in Late Blight control</b> / Audrey Derumier
09:45-10:00	<b>Beyond chemical control of late blight: Implementing IPM strategies with Orange oil in the SAGROPIA project</b> / Martien Melissant and Eric Ferre
10:00-10:15	<b>23 years of Belgo-Chinese collaboration to build VigiMAP, an efficient and versatile potato late blight DSS</b> / Maxime Bonnave
10:15-10:30	<b>Discussion</b>
10:30-11:00	<b>Coffee break and poster session</b>
<b>Session 4 (Plenum)</b>	<b>Alternaria</b> <i>Chairman: Hans Hausladen, Sub-chair: Isaac Abuley</i>
11:00 – 11:10	<b>Studies on the sensitivity status of <i>Alternaria solani</i> towards QoIs, SDHIs and DMIs</b> / Carolina Schroeder
11:10-11:25	<b>How culture filtrates of <i>Trichoderma</i> spp. influence the reaction of potatoes to early blight (<i>Alternaria solani</i>)</b> / Carolin Brune
11:25-11:40	<b>Metabolite-based resistance strategies of <i>Solanum bulbocastanum</i> against <i>Phytophthora infestans</i> and <i>Alternaria solani</i></b> / Karin Gorzolka
11:40-11:55	<b>A new <i>Alternaria solani</i> predictive model based on Artificial Neural Network</b> / Thierry Marique
11:55-12:10	<b>Working towards the use of integrated pest management (IPM) of early blight in potato in south Sweden</b> / Åsa Lankinen
12:10-12:25	<b>ECOSOL – IPM approaches for the control of early blight</b> / Hans Hausladen/Isaac Abuley etc.
12:25-12:40	<b>Discussion</b>
<b>12:40-13:45</b>	<b>Lunch</b>

## Wednesday 15<sup>th</sup> May (Afternoon) Parallel Sessions

<b>Session 5</b>	<b>Parallel subgroup meetings</b>
13:45-13:50	<b>Introduction to parallel subgroup discussions</b> <i>Geert Kessel, Alison Lees and Jens G. Hansen</i>
<b>Session 5</b>	<b>Subgroup - control strategies</b> <i>Chairman: Bert Evenhuis, Sub-chair: Faye Ritchie</i>
13:55-14:10	<b>Control of potato late blight: considerable benefits from potassium phosphonate under a severe challenge / Ruairidh Bain</b>
14:10-14:25	<b>Harnessing the power of phosphorous acid in managing potato late blight/ Sanjeev Sharma</b>
14:25-14:40	<b>Cultivar resistance, disease forecasting, potassium phosphonate and reduced doses of fungicides: the winning combo against potato late blight / Pierre Deroo</b>
14:40-14:55	<b>Biological control of <i>Phytophthora infestans</i> in <i>Solanum tuberosum</i> by volatile organic compounds / Laurence Vandenbulcke</b>
14:55-15:10	<b>Suppressing potato late blight through (strip) intercropping, exploring potential disease suppressive mechanisms / Zohralyn Homulle</b>
15:10-15:30	<b>Discussion</b>
<b>15:30-16:00</b>	<b>Coffee break</b>
16:00-16:15	<b>A new field experimentation method to improve IPM strategies for potato late blight / Faye Ritchie</b>
16:15-16:30	<b>ECOSOL – IPM approaches for the control of late blight / James Lynott</b>
16:30-16:45	<b>Experience in the implementation and impact of an early warning system for potato late blight management in Latin America / Ivette Acuña &amp; Florencia Lucca</b>
16:45-17:00	<b>Update on the EuroBlight table / Bert Evenhuis</b>
17:00-17:15	<b>Discussion</b>
<b>Session 5</b>	<b>Subgroup - Pathogen characteristics &amp; host resistance</b> <i>Chair: David Cooke</i>
13:55-14:10	<b>Genotypic and phenotypic characterization of <i>P. infestans</i> isolates from Kenya and Nigeria/Eric Magembe</b>
14:10-14:25	<b>Phenotypic traits of novel <i>P. infestans</i> genotypes in Denmark / Isaac K. Abuley</b>
14:40-14:55	<b>Predicting future <i>P. infestans</i> outbreaks: New tools to identify emerging lineages, virulence phenotypes and track spread/ Jean Ristaino</b>
14:55-15:10	<b>Unveiling effectorome profiles of <i>Phytophthora infestans</i> during different phases of the infection in potato / Vikrant Singh</b>
15:10-15:30	<b>Discussion</b>
<b>15:30-16:00</b>	<b>Coffee break</b>
16:00-16:15	<b>Enabling effector diversity studies in <i>Phytophthora infestans</i> populations prevalent in the U.K. and Ireland during last 30 years / Amanpreet Kaur</b>
16:15-16:30	<b>Rating potato varieties: 30 years of experiments reanalysed to explicit resistance and explain its variability/Delphine Chauvin</b>
16:30-16:45	Vacant
16:45 – 17:00	<b>Discussion</b>
<b>19:30-22:30</b>	<b>Workshop dinner at the Doorwerth Castle</b>

Thursday 16 May	
Plenum 08:30-08:50	<b>EuroBlight, Potato late blight early warning – initiatives and activities in 2024. Feed into subgroup discussions</b> <i>Jens G. Hansen &amp; Geert Kessel &amp; Alison Lees</i>
Session 5 08:50-10:00	<b>Parallel subgroup meetings continued</b>
<p><b>Control strategies:</b> (<i>Moderator: Bert Evenhuis, Secretary: Faye Ritchie</i>)</p> <ul style="list-style-type: none"> <li>Updating fungicide tables</li> <li>New initiatives - EuroBlight early warning activities related to the Farm to Fork (F2F) strategy</li> </ul> <p><b>Pathogen and host resistance:</b> (<i>Moderator: David Cooke, secretary: Geert Kessel</i>)</p> <ul style="list-style-type: none"> <li>Collaboration between networks: harmonisation, integration and sharing of data and results</li> <li>New initiatives - EuroBlight early warning activities related to the Farm to Fork (F2F) strategy – Collaboration about phenotyping and global issues re pathogen monitoring.</li> </ul> <p><b>Alternaria:</b> (<i>Moderator: Hans Hausladen, Secretary: Laura Meno Fariñas</i>)</p> <ul style="list-style-type: none"> <li>Updating fungicide table</li> <li>Collaboration between network: harmonisation, integration and sharing of data and results</li> <li>New initiatives - EuroBlight early warning activities related to the Farm to Fork (F2F) strategy</li> </ul>	
10:00-11:00	<b>Coffee break</b>
Session 6	<b>Plenary session - outlook and new initiatives – reports and discussion.</b> <i>Chairman: Jens G. Hansen, Sub-chair: Alison Lees</i>
11:00-12:15	<p><b>Report from the subgroups</b></p> <ul style="list-style-type: none"> <li>Alternaria Subgroup (<i>Hans Hausladen</i>) /10 +5 minutes</li> <li>Fungicide Subgroup (<i>Bert Evenhuis</i>) / 10 + 5 minutes</li> <li>Pathogen and Host resistance Subgroup (<i>David Cooke</i>) /10 + 5 minutes</li> <li>Outline of EuroBlight statement 2024 (<i>Didier Andrivon</i>) / 15 + 15 minutes</li> </ul>
12:15-12:30	<p><b>Closing of the workshop</b> / <i>Geert Kessel &amp; Alison Lees</i></p> <p><b>Introduction to EuroBlight workshop 2026</b> - <i>Carmen Seijo Coello</i></p>
12:30-13:00	<b>Sandwich To Go and Depart</b>
	<b>Post workshop tour to ICM Field Trials</b>

## Poster Presentations

Lead Author	Title
Anna Gerdtsson	Combining cultivation of resistant varieties with the use of blight monitoring and control according to decision support systems (DSS) as effective IPM strategies in potato cultivation
Steve Bicko	Transgene-free molecular breeding techniques
Steve Bicko	Fighting potato late blight with molecular breeding technology and optimal deployment/rotation of host resistant genes
Charlotte Prodhomme	Preliminary results of the use of genomic selection for late blight resistance: influence of the MAF (Minor Allele Frequency) on the predictions reliability.
Chiara De Pasqual	Evolution of fungicide resistance in <i>Alternaria solani</i> . How can we mitigate resistance development?
Manuela Hermeziu	The response of some potato varieties to the use of fungicides applied to control late blight in current climatic conditions in the central part of Romania
Rebecca Joynt	Late blight epidemics in the UK, and their development in relation to risk predictions over the last 10 years
Žarko Ivanović	Occurrence and distribution of the <i>Phytophthora infestans</i> populations on potato and tomato in Serbia
Steven Kildea	<b>TBC</b>
Laura Meno Fariñas	Testing of the late blight prediction model NEGFY in Galicia
Pierre Deroo	Potato Early Blight: a weakness disease that scares more than it looks and a decision support system to avoid over treatment
Jean Beagle Ristaino	Mining historic herbaria to track <i>Phytophthora infestans</i> effector and <i>Solanum</i> R gene diversity and evolution over time
Mout De Vrieze	How robust is the inhibitory potential of bacterial strains against different <i>P. infestans</i> genotypes?
Isaac & Jens	Sustainability and resilience in Organic potato production - SROPP poster
Martin Teichmann	Revyona®, a summary of its field performance
Alison Lees	Monitoring fungicide sensitivity in the wider European context/

## Sponsors

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