

Monday, 26 April 2021

Welcome to the 2nd International Congress of Biological Control

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Welcome	03:00	06:00	07:00	10:00	11:00	12:00	13:00	15:30	18:00	20:00	22:00
12:00	Welcome Addresses & Keynote address	Welcome to the 2nd International Congress of Biological Control - opening welcome addresses by <i>Martin Hill, Professor & President IOBC Global, Rhodes University, Grahamstown, South Africa</i> and by <i>Ulli Kuhlmann, Executive Director & Local Organizer ICBC2, CABI, Delémont, Switzerland</i> followed by a keynote address by <i>George Heimpel, Professor & Past President IOBC Global, St Paul, University of Minnesota, USA</i>										
12:15												
12:30												
12:45	End											

Panel 1: What is being done to improve the uptake of biological control? A multi-stakeholder perspective - Ulli Kuhlmann, CABI, Delémont, Switzerland & Jennifer Lewis, International Biocontrol Manufacturer Association, Brussels, Belgium

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Pleenary	04:00	07:00	08:00	11:00	12:00	13:00	14:00	16:30	19:00	21:00	23:00
	Panel/Symposium	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Posters	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
		07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
13:00	Introduction											
13:10	Panel Discussion	Panel 1: What is being done to improve the uptake of biological control? A multi-stakeholder perspective - opening keynote addresses by <i>Jonathan Shoham (Senior Consultant Analyst, IHS Markit)</i> and <i>Alessandra Moccia (Director Regulatory Affairs of Suterra)</i> with the following panellists: <i>David Cary (Board Member of PAN Europe), Washington Otieno (Programme Executive Plantwise at CABI), Max Schulman (Chair of the Agri-Food Chain Roundtable on PPPs, COPA COGECA)</i> and <i>Felix Wäckers (Director R&D, Biobest Group)</i>										
13:30												
13:50												
14:10												
14:30	Final Statement											
14:50	Break											
15:00	Poster Session	Poster Session - Meet the Poster Presenters										
15:15												
16:00												
17:00	End Poster Session											

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Posters	13:00	16:00	17:00	20:00	21:00	22:00	23:00	01:30	04:00	06:00	08:00
		14:00	17:00	18:00	21:00	22:00	23:00	00:00	02:30	05:00	07:00	09:00
22:00	Poster Session	Poster Session - Meet the Poster Presenters										
23:00												
00:00	End Poster Session											

Tuesday, 27 April 2021

Session 1: Busting disciplinary silos to advance biological control within global agri-food systems - Yanhui Lu, IPP-CAAS, Beijing, China; Kris Wyckhuys, Chrysalis Consulting, Hanoi, Vietnam & Mauricio Gonzalez-Chang, Universidad Austral de Chile, Valdivia, Chile

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	Meet Speakers	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Yanhui Lu, Kris Wyckhuys & Mauricio Gonzalez-Chang										
13:10	01-O01	Gabor Pozsgai: <i>Interaction networks between aphids and their fungal pathogens: Insight into host-pathogen specificity and crop systems dependency</i>										
13:30	01-O02	Mauricio González-Chang: <i>Understanding the pathways from biodiversity to agro-ecological outcomes: a new, interactive approach</i>										
13:50	01-O03	Kris Wyckhuys: <i>Bridging social and natural sciences to assess uptake, public awareness and economic impact of biological control</i>										
14:10	01-O04	Qian Li: <i>A tale of two guilds: interplay between insect pollinators and natural enemies in cotton-pear agro-landscapes</i>										
14:30	01-O05	HaiJun Xiao: <i>Effective natural pest control provide by diverse landscapes in small-scale subtropical rice agroecosystems</i>										
14:50	Final Statement	Yanhui Lu, Kris Wyckhuys & Mauricio Gonzalez-Chang										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 2: Genetic improvement of natural enemies: an urgent breakthrough in the progress of biological control - Alberto Urbaneja, Instituto Valenciano de Investigaciones Agrarias, Moncada, Spain & Pablo Bielza, Universidad Politécnica de Cartagena, Cartagena, Spain

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	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Alberto Urbaneja & Pablo Bielza										
13:10	02-O01	Pablo Bielza: <i>Genetic improvement of Orius laevigatus for better field performance in protected crops</i>										
13:30	02-O02	Leo W. Beukeboom: <i>Polyplod effects on parasitoid biocontrol</i>										
13:50	02-O03	Duarte Toubarro: <i>Tools provided by RNAseq for the improvement of the entomopathogenic nematode H. bacteriophora</i>										
14:10	02-O04	Maria Zwysig: <i>Experimental evolution to study the adaptation of plant-beneficial pseudomonads to insects</i>										
14:30	02-O05	Alberto Urbaneja: <i>Genetic improvement of Nesidiocoris tenuis Reuter (Hemiptera: Miridae): evaluation of selected isofemale lines</i>										
14:50	Final Statement	Alberto Urbaneja & Pablo Bielza										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 3: Biological control under changing climates: challenges and prospects - Frank Chidawanyika, University of the Free State, Bloemfontein, South Africa & Casper Nyamukondiwa, Botswana International University of Science and Technology, Palapye, Botswana

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	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Frank Chidawanyika, Casper Nyamukondiwa & Chris Weldon										
13:10	03-O01	Yan Sun: <i>Rapid evolution of a plant invader in response to biological control and global warming</i>										
13:30	03-O02	Reyard Mutamiswa: <i>Spatio-temporal potential distribution of Chilo partellus and its endoparasitoid, Cotesia flavipes under current and future climatic conditions in southern Africa: implications for biological control</i>										
13:50	03-O03	Belinda Luke: <i>BioSuccess - an app to help determine the effects of climate change on the efficacy of a biopesticide</i>										
14:10	03-O04	Frank Chidawanyika: <i>Thermal tolerance of the biological control agent Neolema abbreviata and its potential geographic distribution together with its host Tradescantia fluminensis in South Africa</i>										
14:30	03-O05	Jonathan Casey: <i>Climate-smart pest management: nature-based solutions for the climate and environment</i>										
14:50	Final Statement	Frank Chidawanyika, Casper Nyamukondiwa & Chris Weldon										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Tuesday, 27 April 2021 (continued)

Session 4: Biological control in African smallholder production systems - Thomas Dubois, The International Centre of Insect Physiology and Ecology (ICIPE), Nairobi, Kenya & Samira A. Mohamed, ICIPE, Nairobi, Kenya

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	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Thomas Dubois & Samira A. Mohamed										
13:10	04-O01	Sevgan Subramanian: <i>Biological control of key lepidopteran pests of cereals in Africa – achievement and way forward</i>										
13:30	04-O02	Costas Zachariades: <i>Biological control of Chromolaena odorata in Africa: current status</i>										
13:50	04-O03	Malick Ba: <i>Biological control of the millet head miner in the Sahel: lessons learned and way forward</i>										
14:10	04-O04	Pride Mudavanhu: <i>Alien invasive acacia management: a biocontrol success story from South Africa</i>										
14:30	04-O05	Afure Ejomah: <i>History of classical biological control in Nigeria: the story so far</i>										
14:50	Final Statement	Thomas Dubois & Samira A. Mohamed										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 5: Regulatory oversight of non-native biological control agents: Developments and challenges - Matthew Everatt, Defra, Sand Hutton, York, UK

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	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Matthew Everatt										
16:10	05-O01	Johannette Klapwijk: <i>Challenges in the trade of invertebrate biocontrol agents</i>										
16:30	05-O02	Marion K. Seier: <i>Navigating regulatory procedures for weed biological control using non-native agents in the UK</i>										
16:50	05-O03	Yelitza Colmenarez: <i>Regulatory challenges for the exchange and use of biological resources in Latin America</i>										
17:10	05-O04	Andrei Orłinski: <i>EPPO's contributions to decision taking and regulation of import and releases of biological control agents</i>										
17:30	05-O05	Jana Collatz: <i>Assessment of parasitoid overwintering in Switzerland</i>										
17:50	Final Statement	Matthew Everatt										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 6: Novel molecular tools for IPM and biological control - Steve Naranjo, USDA-ARS, Maricopa, Arizona, USA & Jörg Romeis, Agroscope, Zurich, Switzerland

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	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Steve Naranjo & Jörg Romeis										
16:10	06-O01	Anthony Shelton: <i>Genetically engineered, self-limiting Diamondback Moth, Plutella xylostella, for enhanced IPM and biological control</i>										
16:30	06-O02	Jörg Romeis: <i>Potential and risk of controlling invasive pests using gene drives</i>										
16:50	06-O03	Ana M Vélez: <i>Enhancing biological control and IPM through specific RNAi-based pest control technologies</i>										
17:10	06-O04	Matthias Erb: <i>Engineering nematodes to resist plant toxins improves their capacity to control a root pest</i>										
17:30	06-O05	Raymond St. Leger: <i>Using GM pathogens to control mosquito-borne diseases</i>										
17:50	Final Statement	Steve Naranjo & Jörg Romeis										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Tuesday, 27 April 2021 (continued)

Session 7: Trichoderma beyond just cell wall degrading enzymes - Enrique Monte, University of Salamanca; Salamanca, Spain & María E. Morán-Díez, University of Salamanca, Salamanca, Spain

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	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Enrique Monte & María E. Morán-Díez										
16:10	07-O01	Francesco Vinale: <i>Trichoderma</i> metabolites for crop protection										
16:30	07-O02	Susanne Zeilinger: Environmental and endogenous cues as well as strain- and developmental stage-specific responses affect biology and mycoparasitism of the biocontrol agent <i>Trichoderma atroviride</i>										
16:50	07-O03	María Pappas: <i>Trichoderma</i> -mediated tomato resistance against herbivorous pests										
17:10	07-O04	Isabel Vicente: Exploring the terpene synthases inventory of <i>Trichoderma</i> by computational and molecular approaches										
17:30	07-O05	María Eugenia Morán-Díez: <i>Trichoderma</i> biocontrol effects are heritable and subjected to epigenetic control through miRNAs										
17:50	Final Statement	Enrique Monte & María E. Morán-Díez										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 8: Biological control for the protection of cactus crops and the control of invasive alien Cactaceae - Iain Paterson, Rhodes University, Makhanda, South Africa & Laura Varone, Fundación para el Estudio de Especies Invasivas, Hurlingham, Buenos Aires, Argentina

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		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Iain Paterson & Laura Varone										
16:10	08-O01	Clarke van Steenderen: <i>Cochineal</i> identification: how molecular techniques can distinguish between biological control agents and agricultural pests										
16:30	08-O02	Meelad Yousef Yousef: The Prickly pear from an invasive plant to a threatened heritage: a study to control the false carmine cochineal in Cadiz Province (Spain)										
16:50	08-O03	Laura Varone: A trip down the long and winding road of <i>Cactoblastis cactorum</i> research										
17:10	08-O04	María Belén Aguirre: Advances in the identification and description of the <i>Hypogeococcus pungens</i> species complex (Pseudococcidae), mealybugs from South America										
17:30	08-O05	Iain Paterson: Pest cactus and cactus pests: potential conflict between biocontrol of cochineal and biocontrol of cactus										
17:50	Final Statement	Iain Paterson & Laura Varone										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Wednesday, 28 April 2021

Session 9: In-field and off-field requirements for biological control – a dialogue - Jana Collatz, Agroscope, Zurich, Switzerland & Aurélie Ferrer, Agrapole, ISARA, Lyon, France

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	Meet Speakers	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Jana Collatz & Aurélie Ferrer										
13:10	09-O01	Adrien Rusch: <i>Biological pest control services in agricultural landscapes</i>										
13:30	09-O02	Philippe Jeanneret: <i>An agroecology and system approach to reduce pesticide use in arable crops</i>										
13:50	09-O03	Aurélie Ferrer: <i>Optimization of farmer's agricultural practices to enhance conservation biological control</i>										
14:10	09-O04	Badrulhadza Amzah: <i>Rice field habitat manipulation: Malaysia's experience in conservation biological control efforts</i>										
14:30	09-O05	Lucy Alford: <i>Could winter flowering cover crops promote competition between parasitoids, hyperparasitoids and winter-active pollinators?</i>										
14:50	Final Statement	Jana Collatz & Aurélie Ferrer										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 10: Botanicals for biocontrol in agriculture and animal husbandry - Annegret Schmitt, Julius Kühn-Institute, Darmstadt, Germany & Lucius Tamm, FiBL - Forschungsinstitut für biologischen Landbau, Frick, Switzerland

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	Meet Speakers	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Annegret Schmitt & Lucius Tamm										
13:10	10-O01	Lucius Tamm: <i>Registration of botanicals – current bottlenecks and future needs</i>										
13:30	10-O02	Valeria Fattoruso: <i>Sustainable alternatives to gradually phase out mineral oil for pests control</i>										
13:50	10-O03	Spiridoula Athanasiadou: <i>Botanicals for helminth control in small ruminants</i>										
14:10	10-O04	Sri Ita Tarigan: <i>Insecticidal and antifeedant effects of liquid smoke of cocoa-coconut-rice waste against coffee stem borer (<i>Hypothenemus hampei</i>)</i>										
14:30	10-O05	Liora Shaltiel-Harpaz: <i>Novel botanical insecticides based on essential oils and clay – <i>Thrips tabaci</i> as a model</i>										
14:50	Final Statement	Annegret Schmitt & Lucius Tamm										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 11: New approaches to risk analysis and decision making in biocontrol - Greg Lefoe, Agriculture Victoria State Government, Bundoora, Australia & Jackie Steel, Agriculture Victoria State Government, Bundoora, Australia, Australia

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	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Greg Lefoe & Jackie Steel										
13:10	11-O01	Catarina Afonso: <i>A comparative analysis of regulatory frameworks and procedures for the import and release of invertebrate biological control agents: <i>Cleruchoides noackae</i> as a case study</i>										
13:30	11-O02	Chris Malumphy: <i>Regulatory oversight for the release of non-native biological control agents in England: the experience with <i>Torymus sinensis</i></i>										
13:50	11-O03	Donald C. Weber: <i>Unintentional biological control introductions: The phenomenon and its implications</i>										
14:10	11-O04	Brian Garms: <i>The Australian approach to assessing risk of biological control agents – translating science into consistent policy decisions</i>										
14:30	11-O05	Greg Lefoe: <i>Systematic cultivar selection for weed biological control risk assessment</i>										
14:50	Final Statement	Greg Lefoe & Jackie Steel										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Wednesday, 28 April 2021 (continued)

Session 12: Classical biological control of new and old arthropod pests - Alejandro Tena, IVIA, Valencia, Spain & Antonio Biondi, University of Catania, Catania, Italy

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
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	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Alejandro Tena & Antonio Biondi										
13:10	12-O01	M. Lukas Seehausen: <i>Suitability of the Asian parasitoid Ganaspis brasiliensis for classical biological control of Drosophila suzukii</i>										
13:30	12-O02	Jesica Pérez-Rodríguez: <i>Classical biological control of the HLB vector Trioza erytreae in Europe</i>										
13:50	12-O03	Marc Kenis: <i>Can the immense success of the classical biological control of the cassava mealybug be repeated against the fall armyworm?</i>										
14:10	12-O04	Antonia Soto: <i>Use of classical biological control for the management of Deltoctococcus aberiae De Lotto (Hemiptera: Pseudococcidae) in Spanish citrus crops</i>										
14:30	12-O05	Dimitrios Avtzis: <i>Invasion of the giant pine scale in Australia and prospects for classical biological control using silver flies</i>										
14:50	Final Statement	Alejandro Tena & Antonio Biondi										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 13: Biological control in the next-generation DNA sequencing era - Debora Pires Paula, Embrapa, Brasília, Brazil

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		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Debora Pires Paula										
16:10	13-O01	Leo W. Beukeboom: <i>How can genetics and genomics improve biological control?</i>										
16:30	13-O02	Mariska Beekman: <i>Nanopore sequencing enables fast detection of protective endosymbionts in greenhouse aphids</i>										
16:50	13-O03	Maria Julia Carbone: <i>Drought influences fungal community dynamics in the grapevine rhizosphere and root microbiome</i>										
17:10	13-O04	Chiara Pedrazzini: <i>Influence of spatial and temporal separation on population structure of the European cockchafer and its main fungal pathogen</i>										
17:30	13-O05	Debora Pires Paula: <i>What is new in gut content analysis of arthropod biological control agents</i>										
17:50	Final Statement	Debora Pires Paula										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 14: Ecological interactions among biocontrol agents - Paul Ode, Colorado State University, Fort Collins, Colorado, USA & Paul Abram, Agriculture and Agri-Food Canada, Agassiz, BC, Canada

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Paul Ode & Paul Abram										
16:10	14-O01	Melodie Ollivier: <i>Metabarcoding and ecological interaction networks for selecting candidate biological control agents</i>										
16:30	14-O02	Carol Frost: <i>Herbivore abundance and species-level network characteristics can predict their apparent competitive effects on other herbivores</i>										
16:50	14-O03	Alejandro Tena: <i>Effects of ants on pests and their biological control agents: from a meta-analysis to a study case</i>										
17:10	14-O04	John Lill: <i>Evidence for both facilitation and interference competition within a guild of insect herbivores in a natural forest system</i>										
17:30	14-O05	Paul Ode: <i>Mechanisms of competitive displacement between two Cotesia parasitoids of cabbage white butterflies</i>										
17:50	Final Statement	Paul Ode & Paul Abram										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Wednesday, 28 April 2021 (continued)

Session 15: Zoophytophagous predators: still an exciting challenge to exploit - Meritxell Perez-Hedo, Instituto Valenciano de Investigaciones Agrarias, Moncada, Spain & Maria Pappas, Democritus University of Thrace, Orestiada, Greece

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Meritxell Perez-Hedo & Maria Pappas										
16:10	15-O01	Alberto Urbaneja: <i>Eliciting tomato plant defenses by exposure to HIPVs: a sustainable approach to manage agricultural pests</i>										
16:30	15-O02	Amy Roda: <i>Biological control potential and drawbacks of three zoophytophagous mirid predators against Bemisia tabaci in the United States</i>										
16:50	15-O03	Sarra Bouagga: <i>Pest management in horticultural crops based on the use of zoophytophagous predators</i>										
17:10	15-O04	Lucia Zappala: <i>Interactions among plants, essential oils and the omnivorous mirid Nesidiocoris tenuis</i>										
17:30	15-O05	George Broufas: <i>Plant-mediated effects of beneficial soil microbes on zoophytophagous predators</i>										
17:50	Final Statement	Meritxell Perez-Hedo & Maria Pappas										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 16: Semiochemistry applied to biological control: using the language of natural enemies - Joe M. Kaser, USDA-ARS, Newark, USA & Donald C. Weber, USDA-ARS, Beltsville, MD, USA

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Joe M. Kaser & Donald C. Weber										
16:10	16-O01	Ted Turlings: <i>Exploiting the chemical ecology of plant-insect interactions to enhance the efficacy of biological control agents</i>										
16:30	16-O02	Alexander Gaffke: <i>Improving the performance of above and below ground biological control agents through behavioral modification with semiochemicals</i>										
16:50	16-O03	Sara Hermann: <i>Stress across space and time: Leveraging the ecology of fear to influence arthropod populations</i>										
17:10	16-O04	Marjolein Kruidhof: <i>Learning: a neglected process in biological control for increasing the semiochemical-based host-finding of natural enemies</i>										
17:30	16-O05	Daniel Mutyamba: <i>Soil conditioning by novel maize cropping system induces plant volatiles attractive to parasitic wasps</i>										
17:50	Final Statement	Joe M. Kaser & Donald C. Weber										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 17: Interactions among natural enemies and their effects on biological control - David Andow, University of Minnesota, St. Paul, MN, USA; Debora Pires Paula, Embrapa, Brasilia, Brazil & Enric Frago, CIRAD/UMR CBGP, Montpellier, France

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	12:00	15:00	16:00	19:00	20:00	21:00	22:00	00:30	03:00	05:00	07:00
		13:00	16:00	17:00	20:00	21:00	22:00	23:00	01:30	04:00	06:00	08:00
	Meet Speakers	14:00	17:00	18:00	21:00	22:00	23:00	00:00	02:30	05:00	07:00	09:00
21:00	Introduction	David Andow, Debora Pires Paula & Enric Frago										
21:10	17-O01	Enric Frago: <i>The effect of natural enemy diversity on herbivore suppression and community stability</i>										
21:30	17-O02	Linda L. Kinkel: <i>Diffuse interactions: competition, coevolution, and disease suppression in soil</i>										
21:50	17-O03	Guadalupe Peralta: <i>Species interaction networks: tools for biological control</i>										
22:10	17-O04	Lola Serée: <i>Do birds disrupt biological control on oilseed rape herbivores by modifying arthropod trophic networks?</i>										
22:30	17-O05	David A. Andow: <i>Biological control with Harmonia axyridis in Brazil: lack of invasiveness</i>										
22:50	Final Statement	David Andow, Debora Pires Paula & Enric Frago										
23:00	Break											
23:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
00:00	End Session/Panel											

Wednesday, 28 April 2021 (continued)

Session 18: Multi-trophic interactions and effects on biocontrol agent host selection - Mike Cripps, AgResearch, Lincoln, New Zealand & Michael Rostás, University of Göttingen, Göttingen, Germany

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	12:00	15:00	16:00	19:00	20:00	21:00	22:00	00:30	03:00	05:00	07:00
		13:00	16:00	17:00	20:00	21:00	22:00	23:00	01:30	04:00	06:00	08:00
		Meet Speakers	14:00	17:00	18:00	21:00	22:00	23:00	00:00	02:30	05:00	07:00
21:00	Introduction	Mike Cripps & Michael Rostás										
21:10	18-O01	Enrique Quesada Moraga: <i>Effects of multi-trophic interactions mediated by entomopathogenic fungi endophytically colonized plants on the biocontrol of chewing and sucking pests</i>										
21:30	18-O02	Stefano Colazza: <i>Multi-trophic interactions: new insight from plant insect microbes in conservation biological control</i>										
21:50	18-O03	Arnaud Ameline: <i>Plant virus infection influences bottom-up regulation of a plant-aphid-parasitoid system</i>										
22:10	18-O04	Michael Rostás: <i>Virus-mediated effects on tri-trophic interactions between Myzus persicae and Aphidius ervi in sugar beet</i>										
22:30	18-O05	Betty Benrey: <i>The performance of an ectoparasitoid is affected by the combination of host caterpillars and the plants they feed on in a traditional Milpa cultivation system</i>										
22:50	Final Statement	Mike Cripps & Michael Rostás										
23:00	Break											
23:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
00:00	End Session/Panel											

Session 19: Augmentative and conservation biological control in Latin America: experiences for fruit and vegetable crops - María R. Manzano, Universidad Nacional de Colombia sede Palmira, Carrera, Palmira, Colombia; Nancy Greco, Universidad Nacional de La Plata, La Plata, Argentina & Bruno Zachrisson, Instituto de Investigación Agropecuaria de Panamá, Panamá

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	12:00	15:00	16:00	19:00	20:00	21:00	22:00	00:30	03:00	05:00	07:00
		13:00	16:00	17:00	20:00	21:00	22:00	23:00	01:30	04:00	06:00	08:00
		Meet Speakers	14:00	17:00	18:00	21:00	22:00	23:00	00:00	02:30	05:00	07:00
21:00	Introduction	María R. Manzano, Nancy Greco & Bruno Zachrisson										
21:10	19-O01	Bruno Zachrisson: <i>Biological control in Panama: challenges and projections</i>										
21:30	19-O02	Lessando Gontijo: <i>Diversifying distinct plant traits is still desirable in genotypically diverse cultivar mixtures: a case study for conservation biological control in brassicas in Brazil</i>										
21:50	19-O03	Nancy Greco: <i>Trophic interactions and dispersal of two omnivorous predators in strawberry: a case study for augmentative and conservation biological control in Argentina</i>										
22:10	19-O04	Margarita Rocca: <i>Trophic interactions between coccinellid species: a case study of the biological control of aphids in sweet pepper in Argentina</i>										
22:30	19-O05	María R. Manzano: <i>Analysis of tritrophic interactions as an approach for conserving biological control agents: A case study in chili pepper in Colombia</i>										
22:50	Final Statement	María R. Manzano, Nancy Greco & Bruno Zachrisson										
23:00	Break											
23:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
00:00	End Session/Panel											

Thursday, 29 April 2021

Session 20: Delivering on a promise: biological control for Planetary Health - Kris Wyckhuys, Chrysalis Consulting, Hanoi, Vietnam, Sacha Roudine & Joan van Baaren, University Rennes I, Rennes, France

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	04:00	07:00	08:00	11:00	12:00	13:00	14:00	16:30	19:00	21:00	23:00
	Meet Speakers	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Kris Wyckhuys, Sacha Roudine & Joan van Baaren										
13:10	20-O01	Sacha Roudine: <i>Vector-borne plant virus controlled by natural enemies in agro-ecosystems</i>										
13:30	20-O02	Alon Silberbush: <i>The non-consumptive effects of fish as possible means of mosquito population control</i>										
13:50	20-O03	Pepijn Schreinemachers: <i>The genie is out of the bottle: the challenge of pesticide misuse in Asia's vegetable sector</i>										
14:10	20-O03	Alain Ratnadass: <i>Biological control for alleviation of viral zoonotic risks in a One Health perspective</i>										
14:30	20-O05	Gianfranco Anfora: <i>Samurai wasps to mitigate pesticide-related human health hazards in fruit crops in Italy</i>										
14:50	Final Statement	Kris Wyckhuys, Sacha Roudine & Joan van Baaren										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 21: Concurrent pest control and pollination by aphidophagous hoverflies - Apostolos Pekas, Biobest Group, Westerlo, Belgium; Tanya Latty, University of Sydney, Camperdown, Australia & Karl Wotton, University of Exeter, Penryn, UK

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	04:00	07:00	08:00	11:00	12:00	13:00	14:00	16:30	19:00	21:00	23:00
	Meet Speakers	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Apostolos Pekas, Tanya Latty & Karl Wotton										
13:10	21-O01	Neus Rodriguez-Gasol: <i>The ecology of predatory hoverflies as ecosystem-service providers in agricultural systems</i>										
13:30	21-O02	Karl Wotton: <i>Mass seasonal migrations of hoverflies provide extensive pollination and crop protection services</i>										
13:50	21-O03	Elodie Chapurlat: <i>Optimization of flower strips for the delivery of ecosystem services by syrphids</i>										
14:10	21-O04	Apostolos Pekas: <i>Concurrent pest control and pollination by aphidophagous hoverflies</i>										
14:30	21-O05	Tanya Latty: <i>Syrphids in the city: the role of Syrphids in Australian urban and peri-urban agricultural systems</i>										
14:50	Final Statement	Apostolos Pekas, Tanya Latty & Karl Wotton										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 22: Management of invasive pest by South-South cooperation - Gopalsamy Sivakumar, National Bureau of Agricultural Insect Resources, ICAR, Bengaluru, Karnataka, India; Malvika Chaudhary, CABI, New Delhi, India & Yelitzta, CABI c/o UNESP - Fazenda Experimental Lageado Rua José Barbosa de Barros, Botucatu, Brazil

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	04:00	07:00	08:00	11:00	12:00	13:00	14:00	16:30	19:00	21:00	23:00
	Meet Speakers	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Gopalsamy Sivakumar, Malvika Chaudhary & Yelitzta Colmenarez										
13:10	22-O01	Gopalsamy Sivakumar: <i>Current research on entomopathogens of recent invasive insect pests in India</i>										
13:30	22-O02	Aloisio Coelho Jr: <i>New approach and improvement on Telenomus remus (Nixon, 1937) studies aiming Spodoptera (Guenée, 1852) biological control</i>										
13:50	22-O03	Thomas Jaekel: <i>Role of policy and regulation</i>										
14:10	22-O04	Yelitzta C. Colmenarez: <i>The importance of technology transfer and collaboration platforms for the implementation of biological control programmes in Latin America and Asia</i>										
14:30	22-O05	Shachi Gurumayum: <i>Managing Fall Armyworm with Fawligen, a baculovirus-based biological control, with experiences from Africa and South Asia</i>										
14:50	Final Statement	Gopalsamy Sivakumar, Malvika Chaudhary & Yelitzta Colmenarez										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Thursday, 29 April 2021 (continued)

Session 23a: Free theme contributions – Martin Hill, Rhodes University, Grahamstown, South Africa & Ulli Kuhlmann, CABI, Delémont, Switzerland

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	04:00	07:00	08:00	11:00	12:00	13:00	14:00	16:30	19:00	21:00	23:00
		05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Meet Speakers	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Martin Hill & Ulli Kuhlmann										
13:10	23a-O01	Ellen Cottingham: <i>Virally vectored immunocontraception for the population control of feral cats in Australia</i>										
13:30	23a-O02	Patricia Folgarait: <i>Conidiobolus lunulus, an Entomophthoral species attacking leafcutter ants</i>										
13:50	23a-O03	Tsung-Chi Chen: <i>Development of recombinant vaccines to protect cucurbit crops from distinct insect-borne viruses</i>										
14:10	23a-O04	Rose Buitenhuis: <i>Critical evaluation of three nabid predators for their potential as new biocontrol agents in North America</i>										
14:30	23a-O05	Emma Jenner: <i>The CABI BioProtection Portal: a free online information resource for advisory services and growers</i>										
14:50	Final Statement	Martin Hill & Ulli Kuhlmann										
15:00	Break											
15:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
16:00	End Session/Panel											

Session 24: Acarine biological control: what are the next steps? - Marcus Duarte, Biobest Group, Westerlo, Belgium & Dominiek Vangansbeke, Biobest Group, Westerlo, Belgium

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Marcus Duarte & Dominiek Vangansbeke										
16:10	24-O01	Saioa Legarra: <i>Can we remove glandular trichomes from tomato to improve biocontrol without also promoting the plant's susceptibility to pests?</i>										
16:30	24-O02	Lore Vervae: <i>Potential of iolinid predatory mites for the control of tomato russet mite, Aculops lycopersici, in protected tomato cultivation</i>										
16:50	24-O03	Felix Wäckers: <i>Pronematus ubiquestus: small mite, big impact.</i>										
17:10	24-O04	Sophie Le Hesran: <i>Effects of drought on the predatory mite Phytoseiulus persimilis</i>										
17:30	24-O05	Emilie Demard: <i>Seasonal abundance and species distribution of phytoseiid mites (Acari: Phytoseiidae) from different citrus production systems in Florida</i>										
17:50	Final Statement	Marcus Duarte & Dominiek Vangansbeke										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 25: State of affairs and future of biological control worldwide - Peter Mason, Agriculture and Agri-Food Canada, Ottawa, ON, Canada & Donald C. Weber, USDA-ARS, Beltsville, MD, USA

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
		08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Peter Mason & Donald C. Weber										
16:10	25-O01	Peter Mason: <i>Importation/classical biological control in 2021: a global view and recent successes</i>										
16:30	25-O02	Beatrice Wambui Muriithi: <i>Economic benefits of biological control to local economies</i>										
16:50	25-O03	Haley Catton: <i>Public perceptions of the benefits of biological control</i>										
17:10	25-O04	Heidi Widmer: <i>Tutavir as a biocontrol solution for integrated T. absoluta management from South America, over Europe to South Africa</i>										
17:30	25-O05	Jagadeesh Patil: <i>The efficacy of selected indigenous entomopathogenic nematodes against Fall Armyworm, Spodoptera frugiperda, in maize</i>										
17:50	Final Statement	Peter Mason & Donald C. Weber										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Thursday, 29 April 2021 (continued)

Session 26: Quantity and quality: Responding to the challenge of increased demand of biocontrol agents - Maria Luisa Dindo, University of Bologna, Bologna, Italy & Rose Buitenhuis, Vineland Research and Innovation Centre, Ontario, Canada

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
	Meet Speakers	08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Maria Luisa Dindo & Rose Buitenhuis										
16:10	26-O01	José Roberto Postali Parra: <i>Parasitoid mass rearing for augmentative biological control in open fields</i>										
16:30	26-O02	Eunhye Ham: <i>Biological control effect of "Natural Enemy in First" method by growers: potential applications in pest management without monitoring</i>										
16:50	26-O03	Daniela Lupi: <i>The rearing system of Sclerodermus brevicornis, a potential biocontrol agent of flat faced Longhorn beetle: perspective and difficulties</i>										
17:10	26-O04	Ikju Park: <i>Advances and challenges on mass-rearing a univoltine weed biocontrol agent in a laboratory</i>										
17:30	26-O05	Emily Kraus: <i>Solutions to common issues with cultivating aquatic weed hosts and biocontrol agents</i>										
17:50	Final Statement	Maria Luisa Dindo & Rose Buitenhuis										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Session 23b: Free theme contributions – Martin Hill, Rhodes University, Grahamstown, South Africa & Ulli Kuhlmann, CABI, Delémont, Switzerland

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Concurrent Sessions	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
	Meet Speakers	08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
	Meet Speakers	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
16:00	Introduction	Martin Hill & Ulli Kuhlmann										
16:10	23b-O01	Steve Naranjo: <i>Development and implementation of biological control informed thresholds for IPM</i>										
16:30	23b-O02	Tim Hays: <i>Do ecological and fundamental host range of Trissolcus japonicus match in Europe?</i>										
16:50	23b-O03	Jacob Corcoran: <i>The insect olfactory system: a target for next-generation biological control technologies</i>										
17:10	23b-O04	Patrick Falset: <i>A successful field trial using a gel-based formulation of entomopathogenic nematodes against the fall armyworm</i>										
17:30	23b-O05	Thomas E. Saunders: <i>Exploring host-specificity through chemical ecology to gain insights into the ecological host ranges of three Trissolcus Ashmead (Hymenoptera: Scelionidae) parasitoids in New Zealand</i>										
17:50	Final Statement	Martin Hill & Ulli Kuhlmann										
18:00	Break											
18:15	Meet Speakers	Meet Session Speakers in Debate Lounge										
19:00	End Session/Panel											

Friday, 30 April 2021

Panel 2: Developing decision support systems to foster the use of biocontrol agents against plant diseases in the field - Philippe C. Nicot, INRAE, Montfavet, France & Marc Bardin, INRAE, Montfavet, France

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Plenary	04:00	07:00	08:00	11:00	12:00	13:00	14:00	16:30	19:00	21:00	23:00
	Panel/Symposium	05:00	08:00	09:00	12:00	13:00	14:00	15:00	17:30	20:00	22:00	00:00
	Break/Posters	06:00	09:00	10:00	13:00	14:00	15:00	16:00	18:30	21:00	23:00	01:00
13:00	Introduction	Panel 2: Developing decision support systems to foster the use of biocontrol agents against plant diseases in the field - opening keynote address by <i>Thomas Pressecq (PhD Student - INRAE Avignon)</i> with the following panellists <i>Guillaume Delanoue (Winegrower and Engineer at the French Wine and Vine Institute)</i> , <i>Béline Gaillet (Vegetable Grower)</i> , <i>Karine Mouret-Grosbeau (IBMA Global Board Member and Treasurer)</i> , <i>Philippe Rothgerber (General Director of CBC Biogard SAS)</i> , <i>Philippe Nicot (INRAE Research Scientist & IOBC-WPRS President)</i> & <i>Marc Bardin (INRAE Research Director)</i>										
13:10												
13:30												
13:50	Panel Discussion											
14:10												
14:30												
14:50	Final Statement											
15:00	Break											
15:15	Poster Session	Poster Session - Meet the Poster Presenters										
16:00	End Poster Session											

Panel 3: Creating synergies among the biological control approaches to promote 'One Health' - Urs Schaffner, CABI, Delémont, Switzerland & Nicholas Mills, University of California at Berkeley, Berkeley, California

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Plenary	07:00	10:00	11:00	14:00	15:00	16:00	17:00	19:30	22:00	00:00	02:00
	Panel/Symposium	08:00	11:00	12:00	15:00	16:00	17:00	18:00	20:30	23:00	01:00	03:00
16:00	Introduction	Panel 3: Creating synergies among the biological control approaches to promote 'One Health' - moderated by <i>George Heimpel (Professor at University of Minnesota & Past IOBC President)</i> with the following keynote addresses by <i>Nick Mills (Professor at University of California at Berkeley)</i> , <i>Urs Schaffner (CABI Section Head Ecosystem Management)</i> , <i>Matt Thomas (Director York Environmental Sustainability Institute)</i> and <i>Kris Wyckhuys (Chrysalis Consulting Vietnam)</i> followed by a panel discussion										
16:10												
16:30												
16:50	Panel Discussion											
17:10												
17:30												
17:50	Final Statement											
18:00	Break											

Closing event of the 2nd International Congress of Biological Control

Zurich Time	Activity	San Diego	New York	Sao Paulo	Accra	London	Zurich	Nairobi	New Delhi	Beijing	Sydney	Auckland
	Break/Closing Event	09:00	12:00	13:00	16:00	17:00	18:00	19:00	21:30	00:00	02:00	04:00
18:15		Closing event of the 2nd International Congress of Biological Control - moderated by <i>Martin Hill (Professor and Director of the Centre for Biological Control & President of IOBC Global)</i> , <i>Rhodes University, Grahamstown, South Africa</i>										
18:30	Closing Event											
18:45												
19:00	End											

Poster Presentations (accessible all days; Poster Sessions on Monday 26th April & Friday 30th April)

Session - Poster Number	Presenting Author and Poster Presentation Title
01-P01	HaiJun Xiao: <i>Effective natural pest control provide by diverse landscapes in small-scale subtropical rice agroecosystems</i>
02-P01	Astrid Kruitwagen: <i>Host-range evolution in parasitoid wasps: selective breeding of <i>Leptopilina heterotoma</i> for controlling <i>Drosophila suzukii</i></i>
04-P01	Casper Nyamukondiwa: <i><i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae) on the “offensive” in Africa: prospects for integrated management initiatives</i>
05-P01	Chris Malumphy: <i>Determining potential non-target hosts for <i>Torymus sinensis</i> in Britain</i>
09-P01	Nina Häner: <i>The phenology and cold tolerance of pupal parasitoids of <i>Drosophila</i>. Implications for augmentative biocontrol?</i>
09-P02	Szabolcs Toth: <i>How do abiotic and biotic factors affect <i>Heterorhabditis bacteriophora</i> at controlling <i>Diabrotica v. virgifera</i> (Coleoptera: Chrysomelidae)?</i>
09-P04	Akinobu Nakamura: <i>Seasonal occurrences and species composition of <i>Orius</i> spp. (Hemiptera: Anthocoridae) on eggplants planted in okra fields at Kawasaki City Japan</i>
09-P05	Coralie Triquet: <i>Cover crop strip in conventional maize fields to support beneficial arthropods and increase potential of pest regulation</i>
09-P07	Caroline Provost: <i>Effect of landscape diversity in an agricultural environment on pests in fruit crops in Quebec, Canada</i>
09-P10	Navila Monteagudo: <i>Management of raptor populations to enhance biological control of grapeeating birds in vineyards</i>
10-P01	Veronika Maurer: <i>Botanicals for mastitis control in dairy cows</i>
10-P02	Annegret Schmitt: <i>Botanicals for reduction of copper use against fungal plant pathogens</i>
10-P03	Szabolcs Toth: <i>Azadirachtin-based soil biopesticides can be used against soil pests like <i>Diabrotica v. virgifera</i> (Coleoptera: Chrysomelidae)</i>
12-P01	Norbert Maczey: <i>Saving Tristan’s only native tree and its associated unique buntings</i>
12-P02	Navila Monteagudo: <i>The European honey buzzard <i>Pernis apivorus</i>, a key native predator for the biological control of the exotic Asian hornet <i>Vespa velutina</i></i>
13-P01	Maria Julia Carbone: <i>Shifts in potential biocontrol agent communities in grapevine rhizosphere under O3 treatments</i>
13-P02	Tzu-Pi Huang: <i>Deciphering the rhizosphere microbiomes of passion fruit with challenging by <i>Streptomyces</i> biocontrol agent</i>
13-P03	María Fernández-Bravo: <i>Investigation of the community structures of soil arthropods and their entomopathogenic fungal pathogen <i>Metarhizium</i> spp. in three permanent grassland types in Switzerland</i>
16-P01	Robert Malek: <i><i>Trissolcus japonicus</i> foraging behavior: implications for host preference and classical biological control</i>
16-P02	Joe Kaser: <i>Field parasitism of pentatomids by <i>Trissolcus japonicus</i>: measuring the impact of kairomones</i>
17-P01	Anna Spescha: <i>Biological control: fighting below ground insect pests with entomopathogenic <i>Pseudomonas</i> bacteria, nematodes and fungi</i>
17-P02	Nelson Simões: <i>Potential of local isolates of entomopathogenic nematodes to inoculate soils infested with <i>Popillia japonica</i> in Azores</i>
17-P03	Magdalena Wey: <i>Biological control of adult <i>Popillia japonica</i></i>
17-P04	Tanja Sostizzo: <i>native fungi against invasive grub - success or failure?</i>

18-P01	Jérémy Gonthier: <i>Using odor learning to improve the efficiency of egg parasitoids (Trichogramma spp.) against Tuta absoluta</i>
18-P02	Tara Oneill: <i>Can insect-attacking fungi protect crops from the inside?</i>
20-P01	Kris Wyckhuys: <i>Biological control for human nutrition and healthy diets</i>
20-P02	Mário Brum Teixeira: <i>Characterization of Bacillus thuringiensis isolated in Azores active against malaria and West Nile mosquito vectors</i>
20-P03	Mário Brum Teixeira: <i>Producing bio-pesticides under the frame of circular economy</i>
20-P05	Gopalsamy Sivakumar: <i>Characterization and evaluation of aqueous formulation of indigenous nucleopolyhedrovirus infecting fall armyworm, Spodoptera frugiperda (Lepidoptera: Noctuidae) in India</i>
23a-P01	Caroline Provost: <i>Improving screening of Apple maggot Rhagoletis pomonella (Walsh) using the red sphere trap in Québec orchard, Canada</i>
23a-P02	Patricia Folgarait: <i>Is it possible the multiple biological control of leafcutter ants?</i>
23a-P03	Li-Hsin Huang: <i>Antifungal ability of Bacillus subtilis and silicon dioxide against Rhizoctonia solani and their effects on reducing stem blight of water spinach (Ipomoea aquatic) in greenhouse</i>
23a-P04	George Broufas: <i>Biological pest control with the use of root colonizing microbes in pepper</i>
23a-P05	Ying Ru Liang: <i>Microbial seed coating formulation primes cucumber defense response against Pythium aphanidermatum</i>
23a-P06	Elad Chiel: <i>Effects, interactions and localization of Rickettsia and Wolbachia in Spalangia endius, a parasitoid of filth flies</i>
23a-P07	Arnaud Ameline: <i>Can orchards aphid pests be controlled using antifungal Lipopeptides?</i>
23a-P08	Tahina Ernest Rajaonera: <i>Preliminary host range and impact trials of Bikasha sp. (Coleoptera: Chrysomelidae), a candidate agent for biological control of Kalanchoe delagoensis (Crassulaceae) in Australia</i>
25-P01	Javier Puig-Ochoa: <i>Biological control of Dialeurodes citri (Ashmead) (Hemiptera: Aleyrodidae) on persimmon cultivars of Eastern Spain and its situation on the Mediterranean basin</i>
25-P03	Sri Ita Tarigan: <i>Biological control properties of biofertilizers</i>
26-P01	Hye Jeong Jun: <i>Mass-rearing of Orius minutus(Hemiptera: Anthocoridae) using an artificial oviposition substrate</i>
26-P02	Rozeita Laboh: <i>Biological control of the major lepidopterous pests of criciferes: Malaysia scenario</i>