



Program | IOBC-WPRS general assembly

For IOBC-WPRS member only

Sunday 15 October, 2017			
9:00	11:00	Administration chair Philippe Nicot	
		Presidential welcome address	Philippe Nicot
		Greetings from IOBC/EPRS	Milka Glavendekic
		Report of the President	Philippe Nicot
		Report of the Secretary General	Gerben Messelink
		Presentation of the web site improvements	Madeleine Bühler
		Financial report of the Treasurer	Sylvia Blümel
		Audit Committee	Peter Esjberg
		Votes of the Assembly: approval of the financial and activity reports	
		Results of the election of the new Audit committee for 2017-2021	
		Presentation of the new Council to the Assembly	
		Address by new President	
11:00	11:30	Coffee break	
11:30	13:30	14 Reports chair Gerben Messelink	
		Commission - IP & Biocontrol in North-African countries	Ahmed Mazih
		Commission - Guidelines for integrated production	Frank Wijnands
		Commission - Harmonized regulation of biological control agents	Josep Jaques Miret
		Discussion	
		WG Pheromones and other semio-chemicals in integrated production	Jürgen Gross
		WG Multitrophic interactions in soil	Christian Steinberg
		WG Integrated protection in viticulture	Carlo Duso
		WG Integrated control in oilseed crops	Malgorzata Jedryczka
		WG Integrated protection of field vegetables	Richard Meadow
		Discussion	
		WG Integrated control in protected crops, temperate climate	Bruno Gobin
		WG Integrated control in protected crops, Mediterranean climate	Carmelo Rapisarda
		WG Integrated protection in oak forest	Pino Angelo Ruiu
		WG Integrated protection of stored products	Pasquale Trematerra
		WG Integrated protection of olive crops	Dionyssios Perdikis
		Study group palm dates	Abdulaziz Mohamed
		Discussion	



13:30	14:30	Lunch	
14:30	16:30	10 Reports chair Ilaria Pertot	
		WG Integrated protection of citrus crops	Ferran Garcia-Marí
		WG Integrated protection of fruit crops	Claudio Ioriatti
		WG Pesticides and beneficial organisms	Guy Smaghe
		WG Induced resistance in plants against insects and diseases	Brigitte Mauch-Mani
		WG Biological and integrated control of plant pathogens	Jürgen Köhl
		WG GMO's in integrated plant production	Michael Meissle
		Discussion	
		WG Microbial and nematode control of invertebrate pests	Eustachio Tarasco
		WG Integrated control of mite pests	George Broufas
		WG Benefits and risks of exotic biological agents	Olda Nedved
		WG Landscape management for functional biodiversity	Baerbel Gerowitt
		Discussion	
		General discussion on WGs	
16:30	17:00	Coffee break	
17:00	19:00	Convenors Meeting Old & New Council Meeting	
19:00	22:00	Dinner	

Monday 16 October, 2017			
9:00	11:00	Recommendations by the Assembly to the new Council chair Andrea Lucchi	
		Recommendations by previous general assembly and Council-Convenor meeting + actions taken	
		New Recommendations by the Assembly to the new Council	
		Amendments of Statutes / Byelaws	
		Debate by the Assembly	
		Closing of the General Assembly	
11:00	11:30	Coffee break	
11:30	13:30	Meeting of the New Council	
11:30	13:30	Meeting of Convenors (room Toblino)	
13:30	14:30	Lunch break	
14:30	18:00	Meeting of the New Council	
19:00	21:00	Dinner	



Program | Una produzione agricola competitiva e le sfide della produzione sostenibile

Key note, round tables (in Italian) – Sala Dolomiti (second floor)

Monday 16 October, 2017			
8:30	9:00	Registrazione dei partecipanti	
9:00	9:30	Saluti Autorità e apertura del Convegno	Dott. Michele Dallapiccola
9:30	10:00	Dialoghi tra un giornalista e un ricercatore: la sostenibilità in agricoltura	
10:00	10:30	Keynote lecture: Comportamento dei prodotti fitosanitari nell'ambiente, nelle produzioni e negli alimenti	Prof. Marco Trevisan
10:30	11:30	Dibattito - La sfida della sostenibilità in viticoltura e frutticoltura di montagna, fondovalle, e pianura.	Dott. Alessandro Dal Piaz Dott. Carlo Debiasi Dott. Claudio Mazzini Dott. Claudio Ioriatti Dott.Ssa Irene Holzmann Dott.Ssa Mariagrazia Tommasini
11:30	11:45	Coffee break	
11:45	12:45	Dibattito - Specie invasive e cambiamento climatico: l'impatto sull'agricoltura	Prof. Alberto Bellin Enologo Mario Pojer Dott. Andrea Berti Dott.Ssa Lara Maistrello Dott. Vincenzo Verrastro
12:45	14:00	Pranzo	
14:00	15:00	Dibattito - Agricoltura –società: informazione, sicurezza alimentare, convivenza	Dott.Ssa. Emanuela Bozzin Dott. Donatello Sandroni Dott. Alberto Dezza Dott. Antonio Frattarelli Prof. Geremia Gios
15:00	16:00	Dibattito - Il ruolo delle nuove soluzioni tecniche e sostanze attive microbiologiche o naturali nella difesa delle colture Prospettive relative ai prodotti fitosanitari a base biologica	Dott. Sandro Frati Dott. Vittorio Veronelli Dott. Gabriele Posenato Prof. Mario Pezzotti
16:30	17:00	Coffee break	
17:00	18:00	Dibattito - ICT e mecatronica in campo: sensori, app, droni, agricoltura di precisione	Dott. Steno Fontanari Dott. Antonio Manes Prof. Francesco Marinello Dott. Andrea Guarise Dott. Luca Pedron
18:00	18:15	Conclusioni	
18:15	18:30	Premiazione del 'Concorso Agricoltura Sostenibile per un Futuro Sostenibile'	
18:30	21:00	Apericena	



Program | Future IPM 3.0 towards a sustainable agriculture

Conference sponsored by the OECD (www.oecd.org/agriculture/crp)

Tuesday 17 October, 2017			
8:00	8:30	Registration	
8:30	8:40	Opening and chair of the sessions	Ilaria Pertot
8:40	9:00	OECD Co-operative Research Programme: Biological Resource Management for <i>Sustainable Agricultural Systems</i>	Gary Fit
9:00	12:30	Policies and trends in sustainable integrated management in agriculture and organic production	
9:00	9:30	Integrated pest management concepts and implementation: state of the art and opportunities for the future	Carlo Malavolta
9:30	10:00	Alternatives to contentious inputs in organic farming: regulatory and technical issues	Lucius Tamm
10:00	10:30	The importance of networking among stakeholders and cross-sector contamination for sustainable crop protection	Sylvia Blümel
10:30	11:00	Coffee break	
11:00	11:30	Sustainable biological and technical approaches in plant protection: overview of the market and a critical discussion on the present regulations	David Cary
11:30	12:00	The fresh fruit and vegetable sector from a sustainable supply chain perspective	Helene Deruwe
12:00	12:30	Discussion	
12:30	13:30	Lunch	
13:30	16:30	Tools and innovation in crop protection and production	
13:30	14:00	The challenge of developing microbial biocontrol products for disease control	Jürgen Köhl
14:00	14:30	Biocontrol with beneficials insects and new perspectives in insect biocontrol	Felix Wackers
14:30	15:00	Sustainable weed management, what's next after glyphosate?	Micheal D.K. Owen
15:00	15:30	Sensors, drones and precision agriculture for sustainable production	Rino Goller and Maurizio Barazzuol
15:30	16:00	Unearthing plant-beneficial traits of the root microbiome for sustainable crop protection	Corné Pieterse
16:00	16:30	Discussion	
16:30	17:00	Coffee break	
17:00	18:30	Sustainable integrated production in agriculture: the challenges	
17:00	17:30	Landscape management and preservation of biodiversity	John M. Holland
17:30	18:00	Sustainable production faces the challenge of invasive species	Max Suckling
18:00	18:30	General discussion and conclusion	
18:30	19:00	Summary of conclusions chaired by a professional Journalist	
19:00	21:00	Aperi-dinner	



Program | Bottlenecks and opportunities in utilizing crop-arthropod-microbe interactions

COST Action FA1405 workshop, Using Three-way Interactions Between Plants, Microbes and Arthropods to Enhance Crop Protection and Production

Tuesday 17 October, 2017			
15:00	17:00	EU-COST Action FA1405 workshop	
15:00	15:15	Information about COST and Introduction to COST Action FA1405	Richard Meadow
15:15	17:00	COST Action FA1405 Workshop	
		Panel member	Carolin Schneider
		Panel member	Edith Ladurner
		Panel member	Alexander Schouten
19:00	21:00	Aperi-dinner	



Program | Ecological perspectives of induced resistance in plants and multitrophic interactions in soil

Meeting of the IOBC-WPRS Working Groups "Induced resistance in plants against insects and diseases" and "Multitrophic interactions in soil" – Sala Ledro (first floor)

Wednesday 18 October, 2017			
8:00	9:00	Registration	
9:00	9:10	Welcome to participants	Michele Perazzolli and Gerardo Puopolo
9:10	9:30	Opening and IOBC-WPRS presentation	Brigitte Mauch-Mani and Christian Steinberg (convenors), Ilaria Pertot and Yigal Elad (liaison officers)
9:30	13:00	Session 1: Novel and old players in plant-microbe interactions Chairs: Victor Flors and Philippe Nicot	
9:30	10:00	Keynote lecture: An active starch degradation metabolism provides sugars for callose priming during <i>Plectosphaerella cucumerina</i> infection	Victor Flors
10:00	10:20	Effect of drench application of biocontrol preparations on tomato plants against <i>Botrytis cinerea</i> and <i>Oidium neolycopersici</i>	Marc Bardin
10:20	10:40	Sugar homeostasis mediates arbuscular mycorrhizal fungi-induced resistance against <i>Botrytis cinerea</i>	Neus Sanmartín Martínez
10:40	11:00	Arbuscular mycorrhizal fungi induced systemic biocontrol against root-knot nematode on chilli	Thanasan Khaosaad
11:00	11:30	Coffee break	
11:30	12:00	Keynote lecture: The effect of β -aminobutyric acid in the protection of tomato harvest against <i>Botrytis cinerea</i>	Estrella Luna
12:00	12:20	Systemic immunity in wheat is activated by the deployment of transcription factors	Sanjukta Dey
12:20	12:40	Fosetyl-aluminum improves defence against <i>Venturia inaequalis</i> in apple	Anze Svava
12:40	13:00	Characterisation of a broad-range, biologically active substance from <i>Pseudozyma aphidis</i> with a dual mode of action: antibiosis and induced resistance	Raviv Harris
13:00	14:30	Lunch	
14:30	16:50	Session 2: Novel and old players in plant-microbe interactions Chairs: Xavier Daire and Franco Faoro	
14:30	15:00	Keynote lecture: Two lysine motif receptor-like kinases (VvLYKs) participate in chitin-triggered immunity in grapevine	Benoit Poinssot
15:00	15:20	New defence metabolic pathways under the control of the hormonal peptide systemin	Victoria Pastor
15:20	15:40	The xyloglucans: are they new elicitors of <i>Arabidopsis thaliana</i> immunity?	Justine Claverie



15:40	16:00	Bio-based compounds inducing resistance against <i>Leptosphaeria maculans</i> in oilseed rape	Lenka Burketova
16:00	16:20	Molecular mechanisms of chemical immune priming without costs to plant growth	Willam Buswell
16:20	16:50	Keynote lecture: Plant produced β -aminobutyric acid: the immune system controls its accumulation	Ivan Baccelli
16:50	17:30	Poster Flash Talks Session 1: Novel and old players in plant defence regulations	
17:30	19:00	Poster session 1 (with drinks): Novel and old players in plant defence regulations	
19:00	21:00	Aperi-dinner	

Thursday 19 October, 2017			
9:00	13:00	Session 3: Functional ecology of microbial interactions in soil Chairs: Heribert Insam and Yigal Elad	
9:00	9:30	Keynote lecture: Crosstalk effects of environment and vineyard soil management on soil microbial diversity and composition	Michaela Griesser
9:30	9:50	Linking transcriptomics to the rhizosphere microbiome - Interactions during clubroot development as a case study	Stefan Ciaghi
9:50	10:10	Spatial and temporal <i>in-situ</i> analyses of gene expression in complex host-pathogen-systems using the <i>Plasmodiophora brassicae</i> -cabbage-pathosystem as a model	Julia Badstöber
10:10	10:30	RNA-Seq unveiled the bacterial mycophagy mechanisms implemented by <i>Lysobacter capsici</i> AZ78 interacting with <i>Phytophthora infestans</i>	Gerardo Puopolo
10:30	10:50	Evaluation of the efficacy of a biocontrol agent, <i>Gliocladium catenulatum</i> , to colonise soils and to reduce <i>Fusarium graminearum</i> growth under microcosm and field conditions	Adeline Picot
11:00	11:30	Coffee break	
11:30	12:00	Keynote lecture: Weed microbiome characteristics and the development of bioherbicides	Friederike Trognitz
12:00	12:20	qPCR and NGS techniques for pathogen detection and monitoring of microbial communities in soil after application of broad spectrum fungal treatments in cucumber crop	Ana Belén López Santísima Trinidad
12:20	12:40	Influence of environmental factors and plant protection products on the growth and survival of <i>Trichoderma harzianum</i> strain INAT11	Edith Ladurner
12:40	13:00	Herbie 72®: a tool to standardise the adoption of anaerobic soil disinfestation for intensive cropping systems under realistic scenarios	Andrea Minuto
13:00	14:30	Lunch	
14:30	16:50	Session 4: Ecology and factors affecting induced resistance Chairs: Gary W. Felton and A. Corina Vlot	
14:30	15:00	Keynote lecture: Multitrophic regulation of induced defence responses	Gary W. Felton



15:00	15:20	Protein-based products as resistance inducers: disease control and mechanisms of action	Martina Cappelletti
15:20	15:40	Deciphering the impact of nutrient stress in mycorrhiza-induced resistance against <i>Botrytis cinerea</i> in tomato	Paloma Sanchez-Bel
15:40	16:00	Impact of agricultural practices on plant disease: what can we learn for resistance inducers optimisation?	Elsa Ballini
16:00	16:20	The age-dependent priming.	Diego Mateu Garcia
16:20	16:50	Keynote lecture: Monoterpenes in systemic acquired resistance within and between plants	A. Corina Vlot
16:50	17:20	Poster Flash Talks Session 2: Functional ecology of microbial interactions in soil	
17:20	17:30	New convenor election (Chair: Ilaria Pertot)	
17:30	19:00	Poster session 2 (with drinks): Functional ecology of microbial interactions in soil	
19:00	22:00	Social dinner and poster awards	

Friday 20 October, 2017			
9:00	13:00	Session 5: Multitrophic interactions and plant defence Chairs: Annegret Schmitt, Erik Alexandersson and Michele Perazzolli	
9:00	9:30	Keynote lecture: Cellular regulations of grapevine resistance induced by <i>Trichoderma</i> spp.	Michele Perazzolli
9:30	9:50	A new tool to assess the grapevine defence at the high-throughput :« Neovigen96» chip and Fluidigm® technology	Marie-Cécile Dufour
9:50	10:10	Resistance induction by hot water treatments to control apple postharvest diseases	Elena Baraldi
10:10	10:30	Volatile methyl salicylate induces systemic signalling in the phylloxerated root system of hybridised <i>Vitis</i> spp.	Markus Walter Eitle
10:30	10:50	Efficacy of elicitors on boosting insect natural enemies: the case of vineyard	Martina Parrilli
10:50	11:20	Coffee break	
11:20	11:40	Elicitation responses in cucumber plants after treatment with a fraction of a liquorice leaf extract from <i>Glycyrrhiza glabra</i>	Annegret Schmitt
11:40	12:00	Identification and functional characterisation of grapevine volatile organic compounds for the sustainable control of downy mildew	Valentina Lazazzara
12:00	12:20	Evaluation of the antifungal activity of the protein and non-protein extracts of <i>Trichoderma asperellum</i> and <i>Trichoderma atroviride</i> culture filtrates against <i>Phytophthora infestans</i>	Saida Messgo-Moumene
12:20	13:00	Closing remarks	Michele Perazzolli, Gerardo Puopolo and Ilaria Pertot
13:00	14:00	Lunch box	



14:00	21:00	Excursion and dinner
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Poster sessions and Poster Flash Talks

Wednesday 18 October	Poster session 1: Novel and old players in plant defence regulations	
IR.1	Regulatory role of <i>SlyWRKY75</i> transcription factor in stress in tomato plants	Maria José López-Galiano
IR.2	Induction of resistance in wheat against leaf rust by application of biotic and abiotic inducers	Fares Bellameche
IR.3	Contrasting effects of the rhizobacterium <i>Pseudomonas simiae</i> on Diamondback moth and Cabbage root fly	Julia Friman
IR.4	First insights on the ability of a <i>Lysobacter capsici</i> member to induce resistance mechanisms in grapevine plants	Francesca Brescia
IR.5	Chitosan vs. chitosan nanoparticles in the control of <i>Fusarium graminearum</i> : a synergistic effect of fungitoxic activity and plant defence activation?	Franco Faoro
IR.6	Fructose and sucrose as priming molecules against pathogens and pests?	Marie Zimmermann
IR.7	The effect of phosphite on <i>Phytophthora infestans</i> and synergism with conventional fungicides in field-grown potato and tomato in Ethiopia	Erik Alexandersson
IR.8	Role of ferulic acid in <i>Fusarium</i> head blight resistance of wheat spikes	Charlotte Martin
IR.9	The <i>Reynoutria sachalinensis</i> knotweed leaf extract elicits defence responses in <i>Cucurbita pepo</i> plants against <i>Podosphaera xanthii</i>	Emilia Markellou
IR.10	The allelopathic potential of gramine in barley	Mauro Maver
IR.11	Allelopathic effects of <i>Crotalaria juncea</i> and dimethyl disulfide (DMDS) on tomato plants in the future development of a biocontrol method against root-knot nematodes	Ingrid Arnault
IR.12	Study of the antagonistic effect of <i>Trichoderma</i> spp. against <i>Fusarium</i> spp. Involved in <i>Fusarium</i> head blight and root rot of wheat	Renane Rachida
IR.13	Effects of β -aminobutyric acid on aphid stylet activities	Glen Powell
IR.14	Disease suppression in eggplant (<i>Solanum melongena</i> L.) nurseries carries over to reduced wilt and fruit rot in subsequent plantings	Naznin Nahar
IR.15	Synergising pest deterrence and plant defence induction: a novel integrated pest management system for <i>Trialeurodes vaporariorum</i> on glasshouse grown tomato	Niall Conboy

Thursday 19 October	Poster session 2: Functional ecology of microbial interactions in soil	
IR.16	Vineyard in-row and cover crop management affects mesofauna composition	Michaela Griesser
IR.17	Vineyard location and vineyard management effects on soil respiration measurements	Astrid Forneck
IR.18	The effect of cover crops in alleviating copper toxicity in grapevine plants	Laura Marastoni
IR.19	Evaluation of the effect of solid and liquid digestate produced in a biogas plant on soil quality and plant growth	Fabio Valentinuzzi



IR.20	Green manure as sustainable tool to microbial diversity in organic vineyards	Claudia Maria Oliveira Longa
IR.21	Assessing the impact of green manure on ecosystem functioning of soil microbial communities	Caroline Provost
IR.22	Soil biota from newly established orchards are more beneficial to early growth of cherry than biota from older orchards	Paige Munro
IR.23	The composition of apple and pear bark microbiota suggest microbial migrations from soil	Elena Arrigoni
IR.24	Effect of different oilseed rape management systems on earthworm community (Oligochaeta: Lumbricidae)	Ivan Juran
IR.25	The effects of plant growth-promoting rhizobacteria (PGPR) on the growth and quality of strawberries	Youry Pii
IR.26	The biological control agent <i>Pseudomonas chlororaphis</i> subsp. <i>aureofaciens</i> M71 originates natural mutants impaired in the ability to control <i>Fusarium oxysporum</i> f.sp. <i>radicis-lycopersici</i> on tomato	Gerardo Puopolo
IR.27	Search for plant-based biofungicides against toxigenic contaminants in barley (<i>Hordeum vulgare</i> L.) forage in hydroponics	Saida Messgo-Moumene
IR.28	Effect of natural nitrification inhibitors on nitrogen contents in soil and plant growth	Muhammad Aammar Tufail
IR.29	Evaluating the effect of slow releasing polymer coated urea on growth and yield of maize	Muhammad Aammar Tufail
IR.30	Combined use of organic biofumigant materials and a biological control agent: First experience in Switzerland	Vincent V. Michel



Program | Novel tools and new challenges for IPM in viticulture

Meeting of the IOBC-WPRS Working Group "Integrated protection in viticulture"

Wednesday 18 October, 2017			
8:00	9:00	Registration	
9:00	9:10	Welcome to participants	Gianfranco Anfora and Valerio Mazzoni
9:10	9:30	Opening and IOBC-WPRS presentation	Carlo Duso (convenor), Mauro Jermini (liason officer), Denis Thiéry, Christoph Hoffmann, Michael Maixner, Agnès Calonnec, René Fuchs, Tirtza Zahavi (SB convenors)
9:30	11:00	Session 1: New knowledge and solutions against viruses, phytoplasmas and their vectors: vectors Chairs: Mauro Jermini and Gerd Innerebner	
9:30	10:00	Keynote speaker: Monitoring <i>Xylella fastidiosa</i> insect vectors in Northern and Southern California to understand recent Pierce's disease incidence	Lucia G. Varela
10:00	10:20	<i>Phlogotettix cyclops</i> : occurrence, infectivity with flavescence dorée and importance as vector in Austrian vineyards	Gudrun Strauss
10:20	10:40	The role of scale insects as vectors of grapevine viroses in German viticulture	Nadine Steinmetz
10:40	11:00	State and development of tools for the Flavescence dorée management in Switzerland	Mauro Jermini
11:00	11:30	Coffee break	
11:30	13:00	Session 2: New knowledge and solutions against viruses, phytoplasmas and their vectors: pathogens and interactions with plant and vectors Chairs: Mauro Jermini and Gerd Innerbner	
11:30	12:00	Keynote speaker: When a Palearctic bacterium meets a Nearctic insect vector: genetic and ecological insights into the emergence of the grapevine Flavescence dorée epidemics in Europe	Sylvie Malembic-Maher
12:00	12:20	The potential use of endosymbiont/endophytic bacteria to reduce yellows disease symptoms in wine grapes	Vered Naor
12:20	12:40	Contrasting susceptibilities to Flavescence Dorée in <i>Vitis vinifera</i> rootstocks and wild <i>Vitis</i> Species	Sandrine Eveillard
12:40	13:00	New insights into Pinot gris disease and the associated Grapevine Pinot gris Virus	Elisa Angelini
13:00	14:30	Lunch	
14:30	17:00	Session 3: Classical and novel tools against arthropod pests: disruption of insect communications Chairs: Denis Thiéry and Sergio Angeli	
14:30	15:00	Keynote speaker: Mating disruption of vine mealybug, <i>Planococcus ficus</i> , using sprayable microencapsulated pheromone in California table grapes	David R. Haviland
15:00	15:20	Year-round mating disruption in vineyards overcomes the vine mealybug (<i>Planococcus ficus</i>) population's build-up during the warming winters	Rakefet Sharon



15:20	15:40	Future sustainable IPM in viticulture: electrospun mesofibres as alternative approaches for <i>Lobesia botrana</i> pest management	Hans E. Hummel
15:40	16:00	Exploitation of genetically modified <i>Vitis vinifera</i> plants with altered kairomone emission ratio for the control of the European Grapevine Moth <i>Lobesia botrana</i>	Gianfranco Anfora
16:00	16:20	Vibrational mating disruption of glassy-winged sharpshooter <i>Homalodisca vitripennis</i> , vector of <i>Xylella fastidiosa</i> in California	Valerio Mazzoni
16:20	16:40	Open-field vibrational mating disruption: the effect on leafhopper pests and the vineyard ecosystem	Rachele Nieri
16:40	17:00	First characterisation of herbivore-induced volatiles released by grapevine (cv. Pinot noir) under attack of <i>Empoasca vitis</i> (Hemiptera: Cicadellidae)	Sergio Angeli
17:00	17:30	Poster Flash Talks session 1	
17:30	19:00	Poster session 1 (with drinks) New knowledge and solutions against pathogens and their vectors	
19:00	21:00	Aperi-dinner	

Thursday 19 October, 2017			
9:00	13:00	Session 4: Classical and novel tools against arthropod pests: <i>Drosophila suzukii</i> Chairs: Claudio Ioriatti and Silvia Schmidt	
9:00	9:30	Keynote speaker: Physical barriers against <i>Drosophila suzukii</i> in viticulture	Christian Linder
9:30	9:50	<i>Drosophila suzukii</i> : important differences in the susceptibility of grape cultivars	Patrik Kehrl
9:50	10:10	Influence of field margins containing blackberries on appearance of <i>Drosophila suzukii</i> and infestation of grape berries in adjacent vineyards	Lisa Weißinger
10:10	10:30	Biological control of <i>Drosophila suzukii</i> by means of the pupal parasitoid <i>Trichopria drosophilae</i> : field and semifield experiences	Marco Valerio Rossi Stacconi
10:30	10:50	Field testing of insecticides against spotted wing drosophila (SWD) in viticulture	Martina Falagiarda
11:00	11:30	Coffee break	
11:30	13:00	Session 5: Ecology and multiple interactions in pest control Chairs: Carlo Duso and Christoph Hoffmann	
11:30	12:00	Keynote speaker: Plant-herbivore interactions in the context of climate change: Effects of elevated CO ₂ concentrations on grapevine and European grapevine moth (<i>Lobesia botrana</i>)	Annette Reineke
12:00	12:20	Cultural control of <i>Lobesia botrana</i> on grapevines	Fatemeh Kiaeian Moosavi
12:20	12:40	Influence of landscape complexity and vineyard management on leafhoppers abundance in North-Italian vineyards	Giulia Zanettin
12:40	13:00	Biological control of the mealybug <i>Planococcus ficus</i> in vineyards of North-eastern Italy	Alberto Pozzebon
13:00	14:30	Lunch	



14:30	17:00	Session 6: IPM implementation and tools Chairs: Carlo Duso and Christoph Hoffmann	
14:30	15:00	Keynote speaker: IPM Implementation benefits from the partnership between scientists and growers: a case study in a Tuscan wine-growing area	Andrea Lucchi
15:00	15:20	How spraying technology could reduce pesticides use in vineyards	Xavier Delpuech
15:20	15:40	New tools to improve the sustainability of the vineyards: scouting with 4GRAPES app, cloud processing and real-time visualisation on CARTO	Giovanni Bigot
15:40	16:00	BugMap, a citizen science approach to monitor the spread of the invasive Brown Marmorated Stink Bug <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae)	Robert Malek
16:00	16:20	VitiMeteo in Europe - supporting IPM for practitioners	Ronald Krause
16:20	16:40	Forecasting flight activity of <i>Lobesia botrana</i> , in the Northeast of Portugal, using a degree-day model	Cristina Carlos
16:40	17:00	VIVA indicators: the global approach to assess, improve and communicate grape-wine sustainability in Italy	Gloria Luzzani
17:00	17:30	Poster Flash Talks session 2	
17:30	19:00	Poster session 2 (with drinks)	
19:00	22:00	Social dinner and poster awards	

Friday 20 October, 2017			
9:00	13:00	Session 7: Classical and novel tools about pathogens Chair: Agnes Calonnec and Tirtza Zahavi	
9:00	9:30	Keynote speaker: Analysis of the predominant factors generating various epidemic profiles on resistant varieties	Agnes Calonnec
9:30	9:50	Anti-fungal capacities of ozone dissolved into water against fungi associated with Grapevine Trunk Diseases	Marielle Pagès
9:50	10:10	The FEM grapevine breeding program for pathogen resistances: towards a sustainable viticulture	Silvia Vezzulli
10:10	10:30	Microbial ecology of resistant grapevine genotypes sheds light on biocontrol prospects of <i>Plasmopara viticola</i>	Christina Morauf
10:30	10:50	Ontogenetic resistance of grapes: A chance to reduce fungicides in vineyard and residues in wine?	Karl Bleyer
10:50	11:20	Coffee break	
11:20	11:40	Biomarkers identification in 'Bianca' grapevine leaves after <i>Plasmopara viticola</i> infection	Giulia Chitarrini
11:40	12:00	Impact of elevated CO ₂ concentration on interactions between <i>Vitis vinifera</i> L. and <i>Plasmopara viticola</i> , the causal agent of downy mildew	Moustafa Selim
12:00	12:20	Botrytis bunch rot control in South-West France vineyards using a novel bacterial biological control agent and two biocontrol registered products	Carlos Calvo-Garrido
12:20	12:40	Endophytic yeasts in shoots of healthy and esca diseased grapevines	Manuela Steiner



12:40	13:00	Closing remarks	Carlo Duso, Denis Thiéry, Christoph Hoffman, Michael Maixner, Agnès Calonnec, René Fuchs, Tirtza Zahavi
13:00	14:00	Lunch box	
14:00	21:00	Excursion and dinner	

Poster sessions and Poster flash talks

Wednesday 18 October	Poster session 1: New knowledge and solutions against pathogens and their vectors	
VIT.1	Distribution of symptoms associated to GPGV and its potential vector <i>Colomerus vitis</i> in North-eastern Italy	Carlo Duso
VIT.2	Grapevine virus diseases in South Tyrol – a survey	Gerd Innerbner
VIT.3	New acquisition about the role of <i>Colomerus vitis</i> in the transmission of Grapevine Pinot gris virus	Valeria Malagnini
VIT.4	Three years experience in France using PreDiVine DSS analysing 25 vineyards for <i>Scaphoideus titanus</i> monitoring	Mauro Jermini
VIT.5	Longevity and reproductive profile of <i>Scaphoideus titanus</i> Ball adults reared under controlled conditions	Mauro Jermini
VIT.6	Comparative transcriptome profiling of two <i>Vitis vinifera</i> varieties with different level of resistance/susceptibility to Flavescence dorée	Elisa Angelini
VIT.7	Development of a new strategy for the control of Flavescence dorée disease based on a multiannual model of <i>Scaphoideus titanus</i> and a landscape analysis	Mauro Jermini
VIT.8	Mating behavior and vibrational communication of the meadow spittlebug <i>Philaenus spumarius</i>	Sabina Avosani
VIT.9	Management of Downy Mildew (<i>Plasmopara viticola</i> Berk. & Curtis, Berk. & De Toni) by reducing copper applications through BCAs treatments and new copper formulations	Davide Mosetti
VIT.10	Insights into the genetic bases of downy mildew resistance and polyphenol induction in a grapevine inter-specific segregating population	Giulia Malacarne
VIT.11	Effect of weather on appearance of grape downy mildew in Israel	Tirtza Zahavi
VIT.12	Insight into the mechanism of conidial germination of the powdery mildew mycoparasite <i>Ampelomyces quisqualis</i>	Dario Angeli
VIT.13	Are Swiss fungal resistant varieties appropriate for growth under the soil and climatic conditions of Quebec, Canada?	Caroline Provost
VIT.14	How vineyard features and application time may affect the phosphonates residues in the bunches	Oscar Giovannini
VIT.15	VITIFUTUR – A transnational platform for applied research and further education in viticulture	Alexandra Wolf
VIT.16	Grapevine protection: from proof of concepts to pre-industrial biofungicides	Oscar Giovannini
VIT.17	Residents non-dietary pesticide exposure risk perception survey: knowledge gaps and challenges for targeted awareness-raising material development	Maura Calliera



VIT.18	The SUDOE "VINOVERT" project: potential of pesticide use reduction in three South-West European vineyards regions	Marc Fermaud
VIT.19	Roll-out of IPM in Belgian viticulture	Kris Vandenwyngaert
VIT.20	Grapevine trunk diseases: the relevance of disinfection of propagation material	Laura Mugnai

Thursday 19 October	Poster session 2: IPM implementation and tools against arthropod pests	
VIT.21	Emulpar' 940 EC as a mechanical natural product in two-spotted spider mite (<i>Tetranychus urticae</i> Koch.) control on berry crops	Wojciech Piotrowski
VIT.22	Impact of leaf removal, copper and kaolin on grape skin thickness in order to reduce <i>Drosophila suzukii</i> infestation	Michael McGeary
VIT.23	Entomopathogenic fungi as control agents for <i>Drosophila suzukii</i>	Elisabetta Gargani
VIT.24	Management of <i>Linepithema micans</i> and <i>Eurhizococcus brasiliensis</i> in new vineyards	Marcon Botton
VIT.25	Evaluation of arthropod biodiversity in the vineyards of the Centre-Val de Loire region	Ingrid Arnault
VIT.26	Efficacy of kaolin against <i>Empoasca vitis</i> in vineyards	Federico Tacoli
VIT.27	Berry skin resistance explains oviposition preferences of <i>Drosophila suzukii</i> best in different pre-damaged grapevine cultivars	Wiebke Entling
VIT.28	Compensation effects induced by grape phylloxera on root growth, leaf respiration and sink activity in <i>Vitis</i> ssp.	Markus Walter Eitle
VIT.29	Preliminary analysis of arthropod aggregation overwintering in vineyards with different management	Vincenzo Verrastro
VIT.30	<i>Drosophila suzukii</i> oviposition behavior on wine clusters	Valerio Mazzoni
VIT.31	Does <i>Drosophila suzukii</i> represent an additional factor of risk of sour rot disease development in wine grape?	Franca Ghidoni
VIT.32	Oviposition deterrent effects of particle films and entomopathogenic fungal strains against <i>Drosophila suzukii</i> : preliminary laboratory assays and field trials	Nuray Baser
VIT.33	Morphological study of the antennal sensilla of the invasive <i>Halyomorpha halys</i> Stål (Hemiptera: Pentatomidae)	Aya Ibrahim
VIT.34	The use of biorational compounds for vineyards protection against pests	Milka Glavendekic
VIT.35	Is <i>Drosophila suzukii</i> ovipositor involved in chemoreception?	Cristina Maria Crava
VIT.36	Assessment of capture efficacy of <i>Drosophila suzukii</i> (Matsumura) trapping devices in mass trapping and release recapture trials	Silvia Schmidt
VIT.37	Rearing <i>Campoplex capitator</i> in Italy and in Chile: preliminary achievements	Andrea Lucchi
VIT.38	Five-year analysis of population dynamics in <i>Drosophila suzukii</i> : usefulness of monitoring traps and their relevance for viticulture	Niklas Samuel
VIT.39	Beneficial insects associated with <i>Lobesia botrana</i> in vineyards	Milka Glavendekic
VIT.40	Circadian densities of mites on vine leaves in Montalcino area (Tuscany, Italy)	Sauro Simoni



VIT.41	Assessment of new trap designs and liquid baits improved with lactic acid bacteria for capturing <i>Drosophila suzukii</i> Matsumura	Giuseppe Maddalena
VIT.42	On the importance of the sister-species comparison in agricultural pest science and IPM: <i>Drosophila subpulchrella</i> as a case study	Omar Rota-Stabelli