

## PROGRAM

HOUR	AUTHOR	TITLE
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### TUESDAY, SEPTEMBER 1 ROOM 1

09:00 -09:15	JULIÁN MARTÍNEZ, VICE-CHANCELLOR OF RESEARCH OF THE UNIVERSITY OF SEVILLA	WELCOME
09:20 -09:50	ELÍAS FERERES	<b>KEYNOTE:</b> FACING THE WATER LIMITATION IN EUROPEAN AGRICULTURE
10:15 -10:30	COFFEE BREAK	
10:30 -13:30	<b>SESSION 1.1</b> <b>CHAIRMAN: ROXANA SAVÍN</b>	<b>KEYNOTE:</b> CROP PHYSIOLOGY
10:30 -11:15	GUSTAVO SLAFER	<b>KEYNOTE</b> PHYSIOLOGICAL BASES FOR IMPROVING RESILIENCE TO ENVIRONMENTAL STRESSES AND RESOURCE USE EFFICIENCY IN WHEAT
11:30 -11:45	KOCH HEINZ-JOSEF	ROW DISTANCE EFFECTS ON SUGAR BEET YIELD FORMATION
11:45 -12:00	IAN DODD	LOW TEMPERATURE PERTURBS HYDRAULIC AND HORMONAL REGULATION OF LEAF EXPANSION AND PHOTOSYNTHESIS OF SOYBEAN SEEDLINGS
12:00 -12:15	JINWOOK KIM	PLASTICITY OF GRAIN NUMBER AND AVERAGE GRAIN WEIGHT IN RESPONSE TO HEAT WAVES AND SOURCE- SINK RATIO IN FIELD GROWN WHEAT.
12:30 -12:45	IVÁN FRANCISCO GARCÍA- TEJERO	HYDROSOS ALMONDS: IMPROVING THE FRUIT QUALITY BY MEANS OF DEFICIT IRRIGATION STRATEGIES
12:45 -13:00	NICOLA HOLDEN	MANAGING FOOD SAFETY HAZARDS IN HORTICULTURAL PRODUCTION
13:00 -14:00		LUNCH

HOUR	AUTHOR	TITLE
<b>SESSION 1.2</b>		
14:00 -18:30	<b>CHAIRMAN:</b> FRANCESCO TEI	CROP INTERACTION WITH BIOTIC AND ABIOTIC FACTORS
14:00 -14:45	NATHALIE COLBACH	<b>KEYNOTE:</b> INVESTIGATING CROP-WEED INTERACTIONS AS A DRIVER FOR AGROECOLOGICAL CROP PRODUCTION
14:45 -15:00	CHARITY AMARA	EFFECT OF LOCATION AND GENOTYPE ON DEGENERATION OF ORANGE-FLESHED SWEETPOTATO IN NIGERIA
15:00 -15:15	TAUBE FRIEDHELM	ARE YIELD INCREASES IN MAIZE IN NW-EUROPE DUE TO BREEDING PROGRESS OR THE SELECTION OF MORE SUITABLE HYBRIDS DUE TO CLIMATE CHANGE?
15:30 -15:45	RAPETTI MANON	USING TRAIT-BASED APPROACH TO SELECT BANANA VARIETIES ADAPTED TO AGROECOLOGICAL CROP SYSTEM
15:45 -16:00		COFFEE BREAK
<b>SESSION 1.2</b>		
16:00 -18:30	<b>CHAIRMAN: NATHALIE COLBACH</b>	CROP INTERACTION WITH BIOTIC AND ABIOTIC FACTORS
16:00 -16:15	FEIKE TIL	MULTIPLE DISEASE SUSCEPTIBILITY, BREEDING PROGRESS AND YIELD LOSS OF WINTER WHEAT IN GERMAN VARIETY TRIALS DURING 1983-2019
16:15 -16:30	DIMA SABBOURA	A REVIEW OF HEAT STRESS IN CANOLA (BRASSICA NAPUS L.)
16:30 -16:45	KEYVAN ESMAEILZADEH SALESTANI	EXPRESSION OF AMMONIUM TRANSPORTER GENES IN BARLEY UNDER DIFFERENT FARMING SYSTEMS
16:45 -17:00	MARÍA LUISA GANDÍA TOLEDANO	UNRAVELLING THE RELATIONS BETWEEN THE SOIL WEED SEED BANK AND WEED EMERGENCE IN THE FIELD.
17:30 -17:45	JOHN BADDELEY	SOIL PH EFFECTS ON ROOT GROWTH AND ROOT:SHOOT RATIO IN SPRING BARLEY
17:45 -18:00	MOHAMED HUSSEIN	SALYSILIC ACID FOLIAR SPRAY EFFECTS ON MINERAL STATUS OF CANOLA SEEDS GROWN UNDER SALINITY
18:00 -19:00		VIRTUAL FIELD TRIP

HOUR	AUTHOR	TITLE
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<b>TUESDAY, SEPTEMBER 1</b>		<b>ROOM 2</b>
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HOUR	AUTHOR	TITLE
<b>SESSION 2.1</b>		
11:15 -13:30	<b>CHAIRMAN: MARIANA RUFINO</b>	FARMING SYSTEMS
11:15 -12:00	PYTRIK REIDSMA	<b>KEYNOTE:</b> SUSTAINABILITY AND RESILIENCE OF FARMING SYSTEMS
12:00 -12:15	MARTIN HARRIES	CONTROLLING HERBICIDE RESISTANT WEEDS REDUCES DIVERSITY IN WESTERN AUSTRALIAN CROP AND PASTURE SYSTEMS
12:15 -12:30	CRYTELE LEAUTHAUD	WHY DO FARMERS ASSOCIATE CROPS? LOGICS AND STRUCTURE OF OLIVE GROVE-VEGETABLE ASSOCIATIONS IN A MEDITERRANEAN REGION
12:30 -12:45	DIANE RAKOTOMANGA - CIRAD	EFFECTS OF COVER CROPS AND SOIL TILLAGE ON THE SPONTANEOUS COMMUNITY IN FALLOW PRECEEDING BANANA CROP
12:45 -13:00	NATHALIE COLBACH	COMBINING EXPERT KNOWLEDGE AND MODELS IN PARTICIPATORY WORKSHOPS WITH FARMERS TO DESIGN SUSTAINABLE WEED MANAGEMENT STRATEGIES
13:00 -14:00		LUNCH
<b>SESSION 2.1</b>		
14:00 -16:30	<b>CHAIRMAN: PYTRIK REIDSMA</b>	FARMING SYSTEMS
14:00 -14:15	ASHRAF TUBEILEH	PLANT COMPOSTS REDUCE SOIL VERTICILLIUM DAHLIAE LOAD AND SUPPRESS WEEDS
14:15 -14:30	WIM PAAS	PARTICIPATORY ASSESSMENT OF FUTURE SUSTAINABILITY AND RESILIENCE OF EUROPEAN FARMING SYSTEMS
14:30 -14:45	GODINOT OLIVIER	CONCEPTION AND TEST OF AN INTERDISCIPLINARY SERIOUS GAME TO LEARN AGROECOLOGY
14:45 -15:00	LEONARDO VERDI	ENVIRONMENTAL ASSESSMENT OF ORGANIC AND CONVENTIONAL ANCIENT WHEAT CULTIVATION: ACIDIFICATION AND EUTROPHICATION PERFORMANCES THROUGH A LCA APPROACH
15:00 -15:15	CHRISTINE WATSON	REDESIGNING A LONG-TERM ORGANIC FARMING EXPERIMENT TO ADDRESS CONTEMPORARY ISSUES

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15:15 -15:30	ROBIN WALKER	LONG TERM YIELD TRENDS IN FOUR PARALLEL ORGANICALLY MANAGED CROP ROTATIONS
15:45 -16:00		COFFEE BREAK

<b>SESSION 2.2.</b>		
16:00 -18:30	<b>CHAIRMAN: CHRISTOS DORDAS</b>	CROP DIVERSIFICATION

16:00 -16:15	MUHAMMAD ALI RAZA	EFFECT OF PLANTING PATTERNS ON YIELD, NUTRIENT ACCUMULATION, AND DISTRIBUTION IN MAIZE AND SOYBEAN RELAY INTERCROPPING SYSTEMS
16:15 -16:30	FEDERICO MARTINELLI	LEGUMES IN BIODIVERSITY-BASED FARMING SYSTEMS IN MEDITERRANEAN BASIN
16:30 -16:45	WERY JACQUES	THE ROLE OF IMPROVED AGRONOMIC PRACTICES IN DE-RISKING AND ENHANCING THE SUSTAINABILITY OF CEREAL-BASED SYSTEMS IN THE DRYLANDS
16:45 -17:00	RAUL ZORNOZA	GREENHOUSE GAS EMISSIONS FROM SOIL IN AN ALMOND ORCHARD DIVERSIFIED WITH CAPER AND THYME
17:00 -17:15	RAUL ZORNOZA	EFFECT OF FAVA BEAN AND VETCH/BARLEY CROPS INTERCROPPED WITH MANDARIN TREES ON SOIL GREENHOUSE GAS EMISSIONS
17:15 -17:30	STILMANT DIDIER	DOES COMPLEX MIXTURES INCREASE PERFORMANCES OF ORGANIC TEMPORARY GRASSLAND?
17:30 -17:45	ALI ELHAKEEM	DO COVER CROP SPECIES MIXTURES ENHANCE RESILIENCE AND RESOURCE CAPTURE?
17:45 -18:00	MARIANO MARCOS PEREZ	INTERCROPPING OF MELON AND COWPEA CAN IMPROVE MELON PRODUCTION IN ORGANIC SYSTEMS

<b>TUESDAY, SEPTEMBER 1</b>		<b>ROOM 3</b>
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HOUR	AUTHOR	TITLE
<b>SESSION 3.1</b>		
11:11 -13:30	<b>CHAIRMAN: THOMAS DÖRING</b>	SUSTAINABLE INTENSIFICATION
11:11 -11:30	WERY JACQUES	EXCELLENCE IN AGRONOMY 2030: A CGIAR-WIDE INITIATIVE TO TAKE DATA-DRIVEN AGRONOMY TO SCALE IN THE GLOBAL SOUTH

HOUR	AUTHOR	TITLE
11:30 -11:45	FEIKE TIL	CONTRIBUTION OF IMPROVED IRRIGATION TO NARROWING FARMERS' WHEAT YIELD GAPS IN NORTH-EAST IRAN
11:45 -12:00	YAKUBU BALMA ISSAKA	TYPOLOGY OF LOWLAND RAINFED RICE PRODUCTION AND ITS IMPLICATION FOR SMALLHOLDER AGRICULTURAL INTENSIFICATION IN NORTHERN GHANA
12:15 -12:30	NA WANG	SYNERGIES AND TRADE-OFFS BETWEEN YIELD, QUALITY, RESOURCE USE EFFICIENCY AND ENVIRONMENTAL IMPACT OF POTATO PRODUCTION IN CHINA
12:30 -12:45	SARA BOSI	DEVELOPMENT OF AN ECONOMIC THRESHOLD FOR HERBICIDE APPLICATION IN COMMON WHEAT
13:00 -14:00		LUNCH
<b>14:00 -16:30</b>	<b>SESSION 3.1 CHAIRMAN: GORAN BERGKVIST</b>	<b>SUSTAINABLE INTENSIFICATION</b>
14:00 -14:15	DANIEL KINDRED	ACHIEVING PRECISION IN ON-FARM EXPERIMENTS
14:15 -14:30	FABIO MASCHER	STABILITY OF QUALITY AND YIELD IN WHEAT COMPOSITE CROSS POPULATIONS
14:30 -14:45	SARAH KENDALL	USING FARM INNOVATION GROUPS TO ACCELERATE PROGRESS IN AGRICULTURE.
14:45 -15:00	DOMENICO RONGA	STRUVITE AS A SUSTAINABLE BIO-FERTILIZER FOR THE REDUCTION OF PHOSPHATE ROCK DEPENDENCY AND BETTER DELOCALIZATION OF LIQUID DIGESTATE
15:00 -15:15	ANA AGUILAR	ECOSYSTEM FUNCTIONS OF MICROBIAL CONSORTIA IN SUSTAINABLE AGRICULTURE
15:15 -15:30	MARGARITA RUIZ-RAMOS	SUST-FARM: A MODEL TO ASSESS SUSTAINABLE INTENSIFICATION AND CLIMATE CHANGE ADAPTATION AT FARM SCALE
15:45 -16:00		COFFEE BREAK
<b>16:00 -18:30</b>	<b>SESSION 3.2 CHAIRMAN: HELENA GÓMEZ-MACPHERSON</b>	<b>EFFICIENT RESOURCE MANAGEMENT: SOILS, WATER, NUTRIENTS, AND ENERGY</b>
16:15 -16:30	VICTOR MAIGNAN	EVALUATION OF INNOVATIVE FERTILIZER ADDITIVES ON THE PHYSIOLOGICAL IMPACTS, AGRONOMIC PERFORMANCES AND PROTEIN QUALITY IN WINTER WHEAT

HOUR	AUTHOR	TITLE
16:30 -16:45	ANTONIO RAFAEL SÁNCHEZ-RODRÍGUEZ	BIOFORTIFICATION OF CEREALS WITH SOIL AND FOLIAR APPLICATIONS OF ZINC IN THE SOUTH OF SPAIN
16:45 -17:00	SILVIA BACHMANN-PFABE	ENHANCING DROUGHT TOLERANCE IN PERENNIAL RYEGRASS
17:00 -17:15	MELPOMENI SIAKOU	KORONEIKI OLIVE TREE PHYSIOLOGY RESPONSES UNDER TWO DEFICIT IRRIGATION TREATMENTS IN CYPRUS
17:15 -17:30	ELENA NAVARRO SORIANO	ANALYSIS OF THE FREQUENCY OF DISTRIBUTION OF THE RELATIVE IRRIGATION SUPPLY INDEX IN THE WATER USERS ASSOCIATION OF SECTOR BXII OF THE LOWER GUADALQUIVIR RIVER
17:45 -18:00	SAMUEL FRANCO-LUESMA	MAIZE MONOCULTURE UNDER MEDITERRANEAN CONDITIONS: ASSESSING THE EFFECT OF DIFFERENT IRRIGATION AND TILLAGE SYSTEMS

## WEDNESDAY, SEPTEMBER 2

## ROOM 1

SESSION 2.4		MITIGATING CLIMATE CHANGE: MODELLING, PREDICTION, AND STRATE
<b>09:00 -11:30</b>	<b>CHAIRMAN: ANTONIO DELGADO</b>	
09:00 -09:45	MARCO MORIONDO	<b>KEYNOTE:</b> EXPECTED IMPACT OF CLIMATE CHANGE ON FOOD PRODUCING SYSTEM IN THE MEDITERRANEAN REGION: HOW SMART AGRICULTURE CAN IMPROVE THE RESILIENCE
09:45 -10:00	QAISAR SADDIQUE	MULTIPLE CROP MODELS PROJECTION OF WHEAT PRODUCTION UNDER FUTURE CLIMATE CHANGE SCENARIOS IN THE GUANZHONG PLAIN, CHINA
10:00 -10:15	JAY RAM LAMICHHANE	HARNESSING CROP MODELS TO PINPOINT THE ESTABLISHMENT QUALITY OF FIELD CROPS UNDER THE 21ST CENTURY CLIMATE CHANGE: CASE STUDIES OF SOYBEAN AND SUGAR BEET IN NORTHERN FRANCE
10:15 -10:30	DANIEL MIRALLES	ADAPTATION STRATEGIES TO HIGH NIGHT TEMPERATURE IN WINTER CEREALS AND INTERACTION WITH MANAGEMENT PRACTICES

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10:30 -10:45	LUIS PARRAS-ALCÁNTARA	LAND MANAGEMENT CHANGE EFFECTS ON SOIL ORGANIC CARBON STOCK IN OLIVE GROVE HILLSIDES. IMPLICATIONS IN THE 40/00 NOTION
10:45 -11:00		COFFEE BREAK
<b>SESSION 2.4</b>		
<b>11:00 -13:30</b>	<b>CHAIRMAN: MARCO MORIONDO</b>	MITIGATING CLIMATE CHANGE: MODELLING, PREDICTION, AND STRATE
11:00 -11:15	LUIS PARRAS-ALCÁNTARA	EFFECT OF TILLAGE AND TOPOGRAPHIC POSITION ON SOIL QUALITY IN MEDITERRANEAN OLIVE GROVE HILLSIDES
11:15 -11:30	ROESCH ANDREAS	APPROXIMATION OF GREENHOUSE GAS EMISSIONS FOR A FARM NETWORK USING READILY AVAILABLE DATA
11:30 -11:45	SEYEDREZA AMIRI	MODELLING DORMANT SEEDING OF RAINFED CHICKPEA AS AN ADAPTATION STRATEGY TO SUSTAIN PRODUCTIVITY UNDER CLIMATE CHANGE
11:45 -12:00	NAULLEAU AUDREY	STRATEGIES FOR ADAPTING VITICULTURE TO CLIMATE CHANGE: A PARTICIPATORY MODELING APPROACH WITHIN A MEDITERRANEAN CATCHMENT
12:00 -12:15	ROBIN MARIE HELENE	IDENTIFICATION AND EVALUATION OF CROP ADAPTATION STRATEGIES TO CLIMATE CHANGE FOR WHEAT, POTATO, AND SUNFLOWER IN FRANCE.
12:15 -12:30	TOMMASO TADIELLO	SOIL ORGANIC CARBON SEQUESTRATION IN MEDITERRANEAN AND HUMID SUBTROPICAL CLIMATES UNDER CONSERVATION AGRICULTURE: FIRST STEPS OF A META-ANALYSIS
12:30 -12:45	ELISA M. SUÁREZ-REY	CARBON AND NITROGEN FOOTPRINT OF DRIP-FERTIGATED GREENHOUSE TOMATO CROPS
12:45 -13:00	FOLTZER LOUIS	GRASSLAND RESILIENCE TO CLIMATE VARIABILITY ON NITRATE LEACHING
13:00 -14:00		LUNCH
<b>SESSION 2.5/CHAIRMAN: ENGRACIA MADEJÓN</b>		
<b>14:00 -16:30</b>		<b>PROTECTING NATURAL RESOURCES AND THE HUMAN ENVIRONMENT</b>
14:00 -14:15	DONGMO ZANGUE YANNICK	PRESERVING ENVIRONMENT THROUGH FARMLAND MANAGEMENT PRACTICES (FMP)? A GENERIC REVIEW

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14:15 -14:30	NENDEL CLAAS	SIMULATING NITRATE LEACHING FROM AGRICULTURAL LAND USE IN GERMANY
14:30 -14:45	STEFAAN DE NEVE	SOIL PHOSPHORUS (P) MINING IN AGRICULTURE - IMPACTS ON P AVAILABILITY, CROP YIELDS AND SOIL ORGANIC CARBON STOCKS
15:00 -15:15	NICOLAS BEAUDOIN	LONG TERM RESPONSES OF CROP YIELD, SOILS AND NITRATE LOSSES TO BEST AGRICULTURAL PRACTICES AT THE CATCHMENT SCALE
15:15 -15:30	ANDREA AGUILAR	PARTICIPATORY CONSTRUCTION OF FERTILITY AND HEALTH INDICATORS IN AGRICULTURAL SYSTEMS WITH A MEDITERRANEAN CLIMATE IN CHILE
15:30 -15:45	AWAIS SHAKOOR	MODELLING OF SOIL NITROGEN DYNAMICS IN CROPPING SYSTEM WITH LEACHM IN RAINFED SEMIARID MEDITERRANEAN REGION
15:45 -16:00		COFFEE BREAK
16:00 -17:00		VIRTUAL FIELD TRIP

## WEDNESDAY, SEPTEMBER 2

## ROOM 2

HOUR	SESSION 2.2/CHAIRMAN: CHRISTINE WATSON	CROP DIVERSIFICATION
09:00 -09:15	MARIANO MARCOS PEREZ	INTERCROPPED BROCCOLI-FAVA BEAN SYSTEM CAN IMPROVE OVERALL PRODUCTION AND ECOSYSTEM SERVICES
09:15 -09:30	NADINE ENGBERSEN	THE CONTEXT DEPENDENCE OF RESOURCE PARTITIONING IN CROP MIXTURES
09:30 -09:45	MARÍA ALONSO-AYUSO	CHARACTERIZATION OF PERFORMANCE OF NINE SPECIES AS COVER CROPS INTERSEEDED INTO MAIZE
09:45 -10:00	GENÍS SIMON-MIQUEL	SOYBEAN INTRODUCTION IN MEDITERRANEAN CROPPING SYSTEMS CAN REDUCE THEIR CARBON FOOTPRINT
10:00 -10:15	DUCHENE OLIVIER	PERENNIAL GRAIN ROOTS DIFFER FROM ANNUAL ONES, AFFECTING SOIL FUNCTIONING AND MICROBIOLOGY
10:15 -10:30	FEDERICO LEONI	SELECTION OF SUITABLE LEGUMES FOR RELAY INTERCROPPING WITH DURUM WHEAT IN MEDITERRANEAN CEREAL-BASED CROPPING SYSTEMS

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10:30 -10:45	ROBERTA FARINA	A SET OF INDICATORS TO ASSESS THE AGRO-ENVIRONMENTAL PERFORMANCE OF TWO MEDITERRANEAN DIVERSIFIED CROPPING SYSTEMS
10:45 -11:00		COFFEE BREAK
<b>11:00 -13:30</b>	<b>SESSION 2.2 CHAIRMAN: MARIE-HELENE JEUFFROY</b>	<b>CROP DIVERSIFICATION</b>
11:00 -11:15	XAVIER BOUSSELIN	CHOOSING SERVICE PLANT FOR INTERCROPPING WITH RAPESEED BASED ON PLANT-PLANT AND PLANT-SOIL INTERACTIONS
11:15 -11:30	SAMUEL FRANCO-LUESMA	CROP YIELD AND WATER USE EFFICIENCY IN THREE IRRIGATED MAIZE CROPPING SYSTEMS UNDER DIFFERENT NITROGEN FERTILIZATION RATES
11:30 -11:45	ANJA SCHMUTZ	WATER USE AND WATER SOURCE OF SIX DIFFERENT CROP SPECIES IN MIXED CULTURES
11:45 -12:00	CHRISTIAN SCHÖB	INCREASING PLANT DIVERSITY REDUCES REPRODUCTIVE EFFORT IN ANNUAL CROPS
12:00 -12:15	BARKAOUI KARIM	DO CROPS GROW BETTER IN OLIVE AGROFORESTRY UNDER DROUGHT ? A TEST FROM NORTHERN MOROCCO
12:30 -12:45	FRANCISCO ALCON	FINANCIAL ANALYSIS OF INTERCROPPING PRACTICES. THE CASE OF MANDARIN ORCHARD IN THE SE OF SPAIN
12:45 -13:00	CHRISTOS DORDAS	USE OF APPROPRIATE CULTIVARS IN INTERCROPPING CAN IMPROVE RESOURCE USE EFFICIENCY UNDER MEDITERRANEAN CONDITIONS
13:00 -14:00		LUNCH
<b>14:00 -16:00</b>	<b>SESSION 2.2 CHAIRMAN: ERIC JUSTES</b>	<b>CROP DIVERSIFICATION</b>
14:00 -14:15	NATHALIE COLBACH	CONTRIBUTION OF CEREAL-LEGUME INTERCROPPING TO AGROECOLOGICAL WEED MANAGEMENT
14:15 -14:30	RECKLING MORITZ	IMPACT OF CLIMATE ON GRAIN LEGUME YIELD STABILITY IN LONG-TERM EXPERIMENTS
14:30 -14:45	TIMOTHÉE CHERIERE	INTERCROPPING: A TOOL FOR CROPPING SYSTEM DIVERSIFICATION
14:45 -15:00	MATTHIEU CAROF	A CONCEPTUAL MODEL TO LINK CROP DIVERSIFICATION WITH ECOSYSTEM SERVICES

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15:00 -15:15	ROBIN WALKER	PROSPECTS FOR GROWING ORGANIC OILSEED RAPE IN SCOTLAND: THE SCOTTISH ORGANIC CANOLA (SCOCAN) PROJECT
15:15 -15:30	KAIRSTY TOPP	NOVEL AND MINOR PROTEIN CROPS IN SCOTLAND
15:30 -15:45	ALICE BAUX	WHY SWISS FARMERS CHOOSE TO SOW WINTER OISLEED RAPE WITH COMPANION PLANTS?
15:45 -16:00		COFFEE BREAK
<b>16:00 -17:00</b>	<b>SESSION 2.3 CHAIRMAN: ERIC JUSTES</b>	<b>CROP LIVESTOCK INTEGRATION</b>
16:00 -16:15	ANNA WENDA-PIESIK	SOYBEAN NON-GM INNOVATIVE SOLUTIONS IN CULTIVATION AND FEEDING OF ANIMALS IN FARMS IN NORTH POLAND – EPI GROUP ‘MY SOYBEAN’ CONSORTIUM

## WEDNESDAY, SEPTEMBER 2

## ROOM 3

HOUR	AUTHOR	TITLE
<b>09:00 -11:30</b>	<b>SESSION 1.3 CHAIRMAN: MARCELO DONATELLI</b>	<b>MODELLING CROP-ENVIRONMENT INTERACTIONS</b>
09:00 -09:15	IRIS VOGELER	EFFECT OF WINTER CEREAL SOWING TIME ON YIELD AND NITRATE LEACHING BASED ON EXPERIMENTS AND MODELLING
09:15 -09:30	TOMÁS ROQUETTE TENREIRO	FROM POINT TO FIELD SCALE - UNCERTAINTIES ASSOCIATED TO THE UPSCALING OF MODELING FOR SPATIAL HETEROGENEITY ASSESSMENT
09:30 -09:45	EDMAR TEIXEIRA	EFFECTIVENESS OF LATE SOWN COVER CROPS TO REDUCE NITROGEN LEACHING UNDER CLIMATE CHANGE
09:45 -10:00	MOREAU DELPHINE	INTEGRATING PLANT-PLANT COMPETITION FOR NITROGEN IN A 3D INDIVIDUAL-BASED MODEL SIMULATING THE EFFECTS OF CROPPING SYSTEMS ON WEED DYNAMICS
10:00 -10:15	ASHIFUR RAHMAN SHAWON	A CROP MODEL FOR SIMULATING RYE GROWTH, DEVELOPMENT AND YIELD
10:45 -11:00		COFFEE BREAK

HOUR	AUTHOR	TITLE
11:00 -13:30	<b>SESSION 3.2</b> <b>CHAIRMAN:</b> <b>JOSE ENRIQUE FERNÁNDEZ</b>	<b>EFFICIENT RESOURCE MANAGEMENT: SOILS, WATER, NUTRIENTS, AND ENERGY</b>
11:00 -11:30	MIGUEL QUEMADA	<b>KEYNOTE:</b> INTEGRATED MANAGEMENT TO ENHANCE COVER CROPS BENEFITS AND RESOURCE EFFICIENCY
11:45 -12:00	MINA DEVKOTA	OPTIONS TO ENHANCE WHEAT YIELD AND WATER PRODUCTIVITY IN A MEDITERRANEAN RAINFED ENVIRONMENT BY AGRONOMIC INNOVATIONS
12:15 -12:30	MARLOES VAN LOON	AGRONOMIC NUTRIENT USE EFFICIENCY AND GREENHOUSE GAS EMISSIONS FOR CEREAL SELF-SUFFICIENCY IN SUB-SAHARAN AFRICA TOWARDS 2050
12:30 -12:45	MARCO MANCINI	EFFECT OF SOIL AVAILABLE PHOSPHORUS AND NITROGEN ON WINTER WHEAT PRODUCTION
12:45 -13:00	BJÖRN REDDERSEN	DRONE BASED PHENOTYPING OF NUE RELATED PARAMETERS OF VARIOUS WINTER RAPSEED GENOTYPES
13:00 -14:00		LUNCH
14:00 -16:30	<b>SESSION 3.2</b> <b>CHAIRMAN: MIGUEL QUEMADA</b>	<b>EFFICIENT RESOURCE MANAGEMENT: SOILS, WATER, NUTRIENTS, AND ENERGY</b>
14:00 -14:15	ERIC BÖNECKE	PRECISION LIME MANAGEMENT: A SENSOR-BASED SOIL MAPPING APPROACH
14:15 -14:30	BETTINA EICHLER-LÖBERMANN	(LITTLE) SHORT-TERM IMPACTS OF P FERTILIZER MANAGEMENT IN A LONG-TERM FIELD EXPERIMENT
14:30 -14:45	EVA HERRERO	FERTIGATION WITH SLURRY LIQUID FRACTION IS AGRONOMIC AND ENVIRONMENTALLY SUSTAINABLE
15:00 -15:15	JOSE LUIS PANCORBO DE OÑATE	HYPERSPECTRAL AND THERMAL IMAGERY TO ASSES NITROGEN AND WATER STATUS IN WINTER WHEAT
15:15 -15:30	HELENA GOMEZ-MACPHERSON	POTENTIAL OF CONSERVATION TILLAGE COMBINED WITH REGULATED DEFICIT IRRIGATION FOR SAVING WATER
15:30 -15:45	MARÍA DOLORES RAYA-SERENO	GROUND LEVEL AND AERIAL SENSORS TO ASSESS WHEAT N STATUS AND TO ADJUST N FERTILIZATION
15:45 -16:00		COFFEE BREAK
16:00 -17:45	<b>SESSION 3.3</b> <b>CHAIRMAN: DAVIDE CAMARANO</b>	<b>INSTRUMENTS FOR RESOURCE MANAGEMENT: MODELS, MONITORING, AND DECISION-MAKING TOOLS</b>

HOUR	AUTHOR	TITLE
16:00 -16:30	BRUNO BASSO	<b>KEYNOTE:</b> DIGITAL AGRONOMY TO DESIGN AND SCALE SUSTAINABLE AGRICULTURAL SYSTEMS
16:45 -17:00	DAVID DE LA FUENTE	SMART INTEGRATED DATA ANALYSIS FOR AGRICULTURE SUPPORT DECISION - MAKING AND MANAGEMENT – SENSING4FARMING
17:00 -17:15	MARTINA CORTI	A SOLUTION TO OVERCOME SATURATION OF VEGETATION INDICES FOR CROP BIOMASS ESTIMATION
17:15 -17:30	SÉBASTIEN DANDRIFOSSE	ASSESSMENT OF THE IMPACT ON WHEAT YIELD OF THE INTERACTION BETWEEN FERTILIZATION AND YELLOW RUST THROUGH MULTI-SENSOR MACHINE VISION

## THURSDAY, SEPTEMBER 3

## ROOM 1

<b>SESSION 1.3:</b>		
11:00 -13:30	<b>CHAIRMAN:</b> <b>CLAS NENDEL</b>	<b>MODELLING CROP-ENVIRONMENT INTERACTIONS</b>
11:00 -11:15	DUCHENE OLIVIER	MODELLING PHENOLOGICAL DEVELOPEMENT OF THINOPYRUM INTERMEDIUM REVEALS A PHOTOPERIODIC EFFECT, AFFECTING FLOWERING EARLINESS
11:15 -11:30	SÉBASTIAN MIRA	A SIMULATION STUDY FOR STRUCTURAL EQUATION MODELS SELECTION IN AGROECOLOGY
11:30 -11:45	DIMA SABBOURA	IMPACT OF PLANT PROTECTION STRATEGY AND SOIL TILLAGE ON THE CARBON FOOTPRINT OF WHEAT
11:45 -12:00	KERSEBAUM KURT CHRISTIAN	MODELLING IRRIGATION EFFECTS IN CROP ROTATIONS ACROSS BRANDENBURG UNDER CLIMATE CHANGE
12:00 -12:15	MARÍA LUISA GANDÍA TOLEDANO	WEED DENSITY AND WEED DIVERSITY INFLUENCED BY RAINFALL, DIFFERENT SOIL MANAGEMENT AND ROTATION SYSTEMS.
12:15 -12:30	CHRISTIAN JOFRE CEKALOVIC	ESTIMATING TRANSPIRATION IN GRAPEVINES UNDER TWO WATER REGIMES USING THE TWO-SOURCE ENERGY BALANCE MODEL
12:30 -12:45	DANIEL KINDRED	THE AGRONOME: ATTEMPTING TO UNDERSTAND GENETIC X ENVIRONMENT X MANAGEMENT EFFECTS ON CROP PERFORMANCE

HOUR	AUTHOR	TITLE
13:00 -14:00		LUNCH
14:00 -15:00		VIRTUAL FIELD TRIP
15:00 -15:45	ANTONIO DELGADO, ESA PRESIDENT 2018-2020. CLAAS NENDEL, ESA PRESIDENT 2020-2022.	CLOSING SESSION

HOUR	AUTHOR	TITLE
12:30 -12:45	MANUEL PÉREZ-RUIZ	AN AFFORDABLE SYSTEM FOR HIGH-THROUGHPUT PLANT PHENOTYPING FOR MAIZE
12:45 -13:00	MARTA RODRÍGUEZ FERNÁNDEZ	EVALUATION OF SPECTRAL VEGETATION INDEX OBTAINED THROUGH SATELLITE AND UAVS IMAGES FOR VINEYARD MANAGEMENT
13:00 -14:00		LUNCH
14:00 -14:45	<b>WORKSHOP</b> <b>CHAIRMAN: MANUEL PÉREZ</b>	<b>TOWARDS EFFICIENT RESOURCE USE: SITE-SPECIFIC MANAGEMENT</b>
14:00 -14:15	DIONISIO ANDUJAR	NEURAL-NETWORK-BASED CLASSIFIER FOR WEED IDENTIFICATION IN MAIZE FIELDS
14:15 -14:30	DOMENICO RONGA	PREDICTION OF THE BIOCHEMICAL METHANE POTENTIAL OF TRITICALE USING NEAR-INFRARED SPECTROSCOPY FOR DIGITAL AGRICULTURE PURPOSE
14:30 -14:45	JAIME NOLASCO RODRÍGUEZ	3D CROP MODELING FOR DETERMINATION OF WHEAT RUST SEVERITY AND ITS IMPACT ON CROP YIELD

## THURSDAY, SEPTEMBER 3 ROOM 2

09:00 -11:00	<b>WORKSHOP</b> <b>CHAIRMAN:</b> <b>SANTIAGO BONACHELA</b>	<b>SUSTAINABLE, INTENSIVE HORTICULTURE PRODUCTION SYSTEMS</b>
09:00 -09:45	DAVID CONNOR	<b>KEYNOTE:</b> CANOPY DESIGN AND MANAGEMENT IN INTENSIVE FRUIT ORCHARDS
09:45 -10:00	MARISA GALLARDO PINO	MODELLING MACRONUTRIENT UPTAKE OF GREENHOUSE TOMATO WITH THE VEGSYST MODEL
10:00 -10:15	ORLY ENRIQUE APOLO APOLO	A DEEP LEARNING APPROACH TO THE AUTOMATED DETECTION IN-FIELD TOMATOES RIPENING USING A MOBILE PLATFORM
10:15 -10:30	MARÍA ROSA GRANADOS	USE OF A COOLING EVAPORATIVE SCREEN IN A SOIL-GROWN SWEET PEPPER CROP IN A MEDITERRANEAN GREENHOUSE
10:30 -10:45	MARÍA ROSA GRANADOS	INTEGRATION OF PASSIVE COOLING AND HEATING SYSTEMS FOR VEGETABLE PRODUCTION IN MEDITERRANEAN GREENHOUSE
10:45 -11:00		COFFEE BREAK
11:00 -13:00	<b>WORKSHOP</b> <b>CHAIRMAN: MANUEL PÉREZ</b>	<b>TOWARDS EFFICIENT RESOURCE USE: SITE-SPECIFIC MANAGEMENT</b>
11:00 -11:45	URS SCHMIDHALTER	<b>KEYNOTE:</b> PRECISION FARMING - CHALLENGES, ACHIEVEMENTS, AND NEEDS
11:45 -12:30	ABDUL M. MOUAZEN	<b>KEYNOTE:</b> POTENTIAL OF MULTI-SENSOR DATA-FUSION FOR SITE SPECIFIC SOIL AND CROP MANAGEMENT

## THURSDAY, SEPTEMBER 3 ROOM 3

09:00 -10:30	<b>SESSION 3.3/CHAIRMAN:</b> <b>URS SCHMIDHALTER</b>	<b>INSTRUMENTS FOR RESOURCE MANAGEMENT: MODELS, MONITORING, AND DECISION-MAKING TOOLS</b>
09:00 -09:15	NEBOJŠA NIKOLIĆ	EX-ANTE ASSESSMENT OF HERBICIDE REDUCTION BY IMPLEMENTING EARLY PRECISION WEED CONTROL IN SPRING CROPS
09:15 -09:30	ALEXIS CARLIER	WHEAT NITROGEN AND SENESCENCE DYNAMICS IN FIELD ASSESSMENT THROUGH TWO PHENOTYPING APPROACHES LATE IN SEASON
09:30 -09:45	CHANDRASHEKHAR BIRADAR	DIGITAL AUGMENTATION FOR SUSTAINABLE INTENSIFICATION OF DRYLAND FARMING SYSTEMS
09:45 -10:00	ALVARO LOPEZ-BERNAL	CROPEBAL: A WINDOWS PROGRAM FOR CALCULATING THE INPUTS AND OUTPUTS OF ENERGY FROM CROP ROTATIONS
10:00 -10:15	FRANCISCO VILLALOBOS	A SIMPLE DECISION SUPPORT SYSTEM FOR FERTILIZER MANAGEMENT: FERTILICALC
10:15 -10:30	LUCIANO LUGLI	TOWARDS STATISTICAL PATTERN RECOGNITION GRAPH MORPHOMETRY APPLIED IN AGRICULTURAL ROBOTIC VINEYARD PRUNING

HOUR	AUTHOR	TITLE
<b>10:30 -11:00</b>	<b>SESSION 3.4</b> <b>CHAIRMAN: URS SCHMIDHALTER</b>	<b>NEW AVENUES FOR MANAGING BIOTIC AND ABIOTIC STRESSES</b>
10:30 -10:45	MOREAU DELPHINE	WHICH NITROGEN FERTILIZATION TECHNIQUES AND CROP TRAITS PROMOTE WEED BIOLOGICAL REGULATION BY COMPETITION?
10:45 -11:00		COFFEE BREAK
<b>11:00 -13:00</b>	<b>SESSION 3.2</b> <b>CHAIRMAN: VINAY NANGIA</b>	<b>EFFICIENT RESOURCE MANAGEMENT: SOILS, WATER, NUTRIENTS, AND ENERGY</b>
11:15 -11:30	LAURE HOSSARD	EFFECT OF PRECEDING CROP ON NITROGEN EFFICIENCY FOR SOFT WINTER WHEAT IN SAIS REGION, MOROCCO
11:30 -11:45	ALFONSO MORIANA	WHY AND WHY NOT MIDDAY STEM WATER POTENTIAL COULD BE A USEFULNESS DEFICIT IRRIGATION TOOL IN OLIVE TREES
11:45 -12:00	JAKOB SANTNER	A BORON RECYCLING FERTILIZER MADE FROM CELLULOSE INSULATION WASTE
12:00 -12:15	ROSE BOYKO	RESOURCE MANAGEMENT FOR NUTRITIONAL QUALITY AND SOIL ACIDITY IN GRAZED GRASSLAND
12:15 -12:30	ROGER SYLVESTER-BRADLEY	GRAIN ANALYSIS CAN PROVIDE A COMPREHENSIVE POST-MORTEM ON THE ADEQUACY OF A CROP'S NUTRITION
12:30 -12:45	MOHAMMED YAHBI	EFFECT OF NITROGEN RATE AND VARIETY ON YIELD, AND YIELD COMPONENTS IN MOROCCAN VARIETIES OF RAPESEED (BRASSICA NAPUS L)
12:45 -13:00	KELLY ULCUANGO	THE LEGACY OF DIFFERENT COVER CROPS ON MYCORRHIZATION AND PLANT NUTRITION