

## PROGRAM OVERVIEW

### Tuesday, June 16

09:30 – 10:00 Registration (In front of the Great Hall)

10:00 – 10:00 Opening ceremony and 1<sup>st</sup> plenary session (Great Hall)

12:00 – 13:00 Lunch

13:00 – 14:30 2<sup>nd</sup> plenary session (Great Hall)

14:30 – 15:00 Coffee break

15:00 – 17:00 Parallel sessions      Crop Science and Production I (Small Hall)

Food Quality and Safety (Room 16)

Smart Farming Technologies and Sustainable Energy (Room 18)

Bioeconomy (Museum Hall)

Evidence Base on the Impact of Innovation Partnership (Great Hall)

17:15 NJF Members meeting (Small Hall)

19:00 Opening Dinner at the Riga Latvian Society house

### Wednesday, June 17

09:30 – 12:00 Parallel sessions      Integrated Pest Management (Small Hall)

Greenhouse Gas Emissions from Agriculture (Room 16)

Forestry (Room 18)

Landscape Architecture and Planning (Room 15)

Sustainable Rural and Territorial Development I (Museum Hall)

12:00 – 13:00 Lunch

13:00 – 15:00 Parallel sessions      Trends in Horticulture (Museum Hall)

Animal Production, Animal Welfare and Protection of Animal Health (Room 16)

Soil and Water Management I (Room 18)

Crop Science and Production II (Small Hall)

19:00 Gala Dinner at the Rundale palace (depart from Riga at 16:30)

### Thursday, June 18

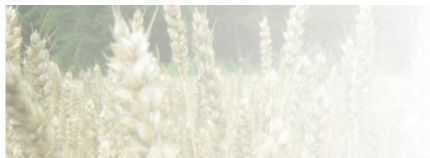
09:30 – 11:00 Parallel sessions      Organic Agriculture (Small Hall)

Sustainable Rural and Territorial Development II (Museum Hall)

Soil and Water Management II (Room 18)

11:00 – 12:00 Closing ceremony (Small Hall)

12:00 – 13:00 Lunch



## DETAILED PROGRAM

### TUESDAY, JUNE 16

**09:30 – 10:00 Registration** (In front of the Great Hall)

**10:00 – 12:00 Opening ceremony and 1<sup>st</sup> plenary session** (Great Hall)

*Chair: Baiba Rivža, Vice president of the Latvian Academy of Sciences*

10:00 – 10:10	<b>Svein Skøien</b> , President of the NJF	WELCOME SPEECH
10:10 – 10:20	<b>Laimdota Straujuma</b> , Prime minister of the Republic of Latvia	WELCOME SPEECH
10:20 – 10:30	<b>Ojārs Spārīts</b> , President of the Latvian Academy of Sciences	WELCOME SPEECH
10:30 – 10:45	<b>Armands Krauze</b> , Parliamentary secretary of the Ministry of Agriculture of the Republic of Latvia	LATVIAN AGRICULTURE IN THE CONTEXT OF EU COMMON AGRICULTURE POLICY
10:45 – 11:15	<b>Irina Pilvere</b> , Professor, Rector of the Latvia University of Agriculture	BIOECONOMY DEVELOPMENT POSSIBILITIES IN LATVIA
11:15 – 11:45	<b>Sirpa Kurppa</b> , Professor, Natural Resources Institute, Finland	ADDED VALUE OF NORDIC-BALTIC BIOBASED PRODUCTS AND SERVICES – COULD THAT BE WORTH FOR REGIONAL BRANDING?
11:45 – 12:00	<b>Discussion</b>	

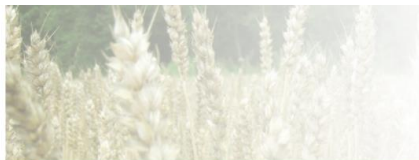
**12:00 – 13:00 Lunch**

**13:00 – 14:30 2<sup>nd</sup> plenary session** (Great Hall)

*Chair: Aldis Kārklīņš, Professor of the Latvia University of Agriculture*

13:00 – 13:30	<b>Jussi Yli-Lahti</b> , Permanent Representative of Finland to the EU in Regional policy	EFFICIENT UTILIZATION OF NATIVE NUTRIENT SOURCES
13:30 – 14:00	<b>Rogier Schulte</b> , Leader in Translational Research on Sustainable Food Production, Teagasc, Ireland Co-authors: Lilian O'Sullivan, Rachel Creamer	MAKING THE MOST OF OUR LAND: MEETING SUPPLY AND DEMAND OF SOIL FUNCTIONS ACROSS SPATIAL SCALES
14:00 – 14:30	<b>Zinta Gaile</b> , Professor of the Faculty of Agriculture of the Latvia University of Agriculture Co-authors: Evelin Loit, Renata Marks-Bielska, Marek Marks, Viktoras Pranckietis, Johan Toren	HIGHER AGRICULTURAL EDUCATION AROUND THE BALTIC SEE: PROBLEMS AND SOLUTIONS

**14:30 – 15:00 Coffee break**



## PARALLEL SESSIONS

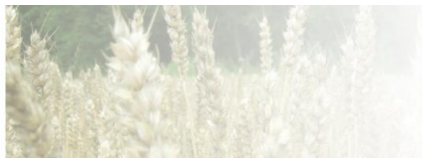
### CROP SCIENCE AND PRODUCTION I (Small Hall)

*Chairs: Frederick Stoddard and Zinta Gaile*

15:00 – 15:30	<b>Frederick Stoddard</b>	<b>GRAIN LEGUMES FOR PROTEIN AND ENVIRONMENTAL BENEFITS IN THE NORDIC-BALTIC REGION</b>
15:30 – 15:50	Emelie Andersson, Anna Mårtensson, Fredrik Fogelberg	RECURRENT INOCULATION OF SOYBEANS ARE NOT NECESSARY
15:50 – 16:10	Laila Dubova, Ina Alsina, Liene Strauta, Amanda Karlovska, Alise Šenberga	THE EFFECT OF SYMBIOTIC ASSOCIATIONS ON THE PRODUCTIVITY OF <i>VICIA FABA</i> L. AND <i>PISUM SATIVUM</i> L.
16:10 – 16:30	Isaak Rashal, Dace Grauda	APPLICATION OF BIOTECHNOLOGY METHODS IN CEREAL BREEDING IN LATVIA
16:30 – 16:50	Mara Bleidere, Ilze Grunte	RELATIONSHIPS OF SPRING BARLEY QUALITY CHARACTERISTICS WITH ENVIRONMENTAL CONDITIONS

### POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Alise Šenberga, Laila Dubova, Ina Alsina, Liene Strauta, Amanda Karlovska	THE EFFECT OF RHIZOBIUM LEGUMINOSARUM STRAIN GENOTYPE ON HOST PLANT PHENOTYPIC EXPRESSION
2	Peteris Berzins, Biruta Jansone, Sarmite Rancane, Vija Stesele, Ieva Dzene	THE EVALUATION OF PERENNIAL GRASS CULTIVARS IN LATVIA CONDITION
3	Anda Linina, Antons Ruza	WEATHER CONDITIONS EFFECT ON FRESH AND STORED WINTER WHEAT GRAIN GLUTEN QUANTITY AND QUALITY
4	Ilze Skrabule, Aija Vaivode, Dace Piliksere, Anda Linina, Iriša Murniece, Zanda Kruma	EVALUATION OF TRAITS STABILITY FOR SELECTION PURPOSES IN POTATO BREEDING PROGRAMME
5	Skaidrīte Būmane, Liēna Poiša, Edgars Čubars, Rasma Platače	THE ANALYSIS OF CARBON CONTENT IN DIFFERENT ENERGY CROPS
6	Skaidrite Bumane, Aleksandrs Adamovics	ROLE OF NITROGEN ON PERENNIAL RYEGRASS SEED PRODUCTION AND FORAGE QUALITY
7	Aleksandrs Adamovics, Rasma Platace, Irina Sivicka	INFLUENCE OF NITROGEN FERTILIZER ON PERENNIAL GRASS DRY MATTER YIELD AND SUITABILITY FOR HEAT PRODUCTION
8	Ilze Skudra, Antons Ruža	NITROGEN CONTENT CHANGES IN WINTER WHEAT ( <i>TRITICUM AESTIVUM</i> L.) DEPENDING ON FERTILIZER NORMS
9	Ilze Dimante, Zinta Gaile	THE EFFECT OF POTATO ( <i>SOLANUM TUBEROSUM</i> L.) MINITUBER SIZE ON PLANT DEVELOPMENT AND SEED YIELD



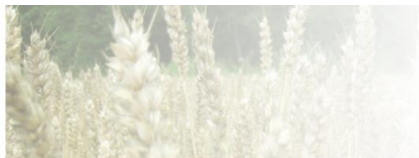
### FOOD QUALITY AND SAFETY (Room 16)

*Chairs: Līga Paura and Inga Ciproviča*

15:00 – 15:30	<b>Inga Ciproviča</b>	<b>THE IMPACT OF RAW MILK QUALITY ON LATVIAN DAIRY PRODUCTS PRODUCTION</b>
15:30 – 15:45	Snorri Sigurdsson	LOW BACTERIAL COUNT IN BULK MILK WITH AMS
15:45 – 16:00	Anne-Kristin Løes, Steffen Adler, Randi Seljåsen, Ana Carvajal, Guro Møen Tveit, Kaisu Honkapää, Katariina Rommi	FOOD CO-STREAMS FOR INNOVATIVE FOOD AND FEED PRODUCTS
16:00 – 16:15	Iryna Pachytskaya, Victor Subach, Sviatlana Andzileuka	QUALITY AND SAFETY CONTROL OF AGRICULTURAL RAW MATERIALS AND FOOD PRODUCTS USING METHODS OF GAS CHROMATOGRAPHIC ANALYSIS
16:15 – 16:30	Assefa Mitike Janko	FISH PRODUCTION, CONSUMPTION AND MANAGEMENT IN ETHIOPIA
16:30 – 16:45	Özge Can Niyaz, Nevin Demirbaş	DETERMINATION OF CONSUMER PREFERENCES FOR FRESH FRUIT AND VEGETABLE IN TERMS OF FOOD SAFETY: A CASE STUDY OF CANAKKALE PROVINCE

### POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Kati Räsänen, Frans Silvenius, Sirpa Kurppa, Merja Saarinen	ECOLOGICAL ARGUMENTS FOR LOCAL FOOD ENTREPRENEURS
2	Jaakko Nuutila	ACCEPTANCE OF THE MOST COMMON QUALITY ATTRIBUTES OF ORGANIC FOOD IN THE FINNISH FOOD CHAIN
3	Inga Eizenberga, Margarita Terentjeva, Olga Valciņa, Aleksandr Novoslavskij, Vita Strazdiņa, Jevgēnija Ošmjana, Aivars Bērziņš	MICROBIOLOGICAL QUALITY OF RAW FISH AT RETAIL MARKET IN LATVIA
4	Per Justesen, Snorri Sigurdsson, Jesper Bo Petersen	THE EFFECT OF SUCCESSFUL ADVICE ON THERMAL BACTERIA COUNT IN DANISH BULK MILK



## SMART FARMING TECHNOLOGIES AND SUSTAINABLE ENERGY (Room 18)

*Chairs: Fredrik Fogelberg and Gints Birzietis*

15:00 – 15:30	<b>John K. Schueller</b>	<b>MODERN AND SMART FARMING TECHNOLOGIES</b>
15:30 – 15:45	Armands Kviesis, Aleksejs Zacepins, Egils Stalidzans	FUTURE DEVELOPMENT PERSPECTIVES OF THE PRECISION APICULTURE (PRECISION BEEKEEPING)
15:45 – 16:00	John Morken, Kristian Fjørtoft, Tormod Briseid	AGRICULTURAL BIOGAS PLANTS – ENERGY BALANCE
16:00 – 16:15	Ann-Christine Johansson, Per Hanarp, Per-Ove Persson	CONVERT BIOGAS TO METHANOL OR/AND DME
16:15 – 16:30	Nils Bjugstad	INSPECTION OF SPRAYING EQUIPMENT IN USE IN GREENHOUSES IN NORWAY
16:30 – 16:45	Fredrik Fogelberg	FLEXIHEADER CAN REDUCE LOSSES AT HARVEST OF DRY FIELD PEAS (PISUM SATIVUM) AND BARLEY (HORDEUM VULGARE)
16:45 – 17:00	Snorri Sigurdsson, Per Justesen, Esa Manninen, Tilmann Hettasch, Carolina Markey	DEVELOPMENT OF AMS IN THE NORDIC COUNTRIES BETWEEN 1996 AND 2014

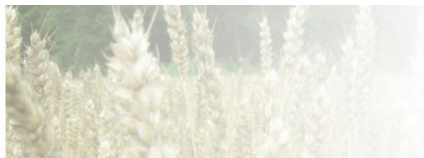
## POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Aleksandrs Adamovics, Vilis Dubrovskis	ANAEROBIC DIGESTION OF SUNFLOWERS AND AMARANTHS SILAGES WITH CATALYST METAFERM
2	Aldis Pecka, Vitalijs Osadcuks	A REVIEW OF MOBILE ROBOTICS FOR AGRICULTURE
3	Janis Kjakste	ASSESSMENT OF THE EQUIPMENT FOR CONDITIONING OF THE ENERGETIC BIOMASS

## BIOECONOMY (Museum Hall)

*Chairs: Oiva Niemeläinen and Irina Pilvere*

15:00 – 15:30	<b>Jyrki Niemi</b>	<b>POLICY DIMENSIONS OF SUSTAINABLE GROWTH IN AGRICULTURE AND FOOD PRODUCTION</b>
15:30 – 15:45	Serina Ahlgren, Carina Gunnarsson	ENERGY CROPS AND SUSTAINABILITY – DEVELOPMENT OF AN EVALUATION MODEL
15:45 – 16:00	Gintaras Šiaudinis, Regina Skuodienė, Kazimieras Katutis	BIOMASS AND ENERGY PRODUCTIVITY OF DIFFERENT PLANT SPECIES UNDER WESTERN LITHUANIA CONDITIONS
16:00 – 16:15	Oiva Niemeläinen	INCREASING BIOMASS FOR BIOENERGY PRODUCTION ON MARGINAL LANDS BY RED CLOVER OVERSEEDING
16:15 – 16:30	Fred Håkon Johnsen	ORGANIC FARMERS WITH INNOVATIVE APPROACHES TO THE FOOD MARKETS: CASE STUDIES FROM HEDMARK COUNTY, NORWAY
16:30 – 16:45	Sarmīte Rancāne, Aldis Kārklīšs, Dagnija Lazdiņa	PLANT NUTRIENT RECYCLING FROM WASTE PRODUCTS OF BIOENERGY PRODUCTION
16:45 – 17:00	Muhammad Imran, Orhan Ozcatalbas	CURRENT STRUCTURE OF LAND HOLDINGS AND IMPORTANCE OF SMALL FARMS: EVIDENCES FROM PAKISTAN



**POSTER SESSION** (Hallway of the 3<sup>rd</sup> floor)

1	Aleksandrs Adamovičs, Sandija Zēverte-Rivža	INDUSTRIAL HEMP ( <i>CANNABIS SATIVA</i> L.) PRODUCTIVITY AND RISK ASSESSMENT IN HEMP PRODUCTION
2	Kohyar faramarzy, Korous Khoshbakht, Ashkan Asgari, Farzad Paknezahd, Abdolmajid Mahdavi Damghani	EVALUATION THE EFFECT OF WETLAND ON RURAL INCOME AND AGROBIODIVERSITY (CASE STUDY: HOSHEYLAN WETLAND)
3	Artyom Ustinov, Baiba Rivza	EUROPEAN AND LATVIAN ECO-CONSTRUCTION CONSUMER MARKET RESEARCH AND ECO- CONSTRUCTION FOCUSED BUSINESS POTENTIAL.
4	Sandija Zēverte-Rivža, Zane Bulderberga	FUNDING AND STRUCTURE OF AGRICULTURE SCIENCE IN LATVIA

**EVIDENCE BASE ON THE IMPACT OF INNOVATION PARTNERSHIP** (Great Hall)

*Chairs: Kaspars Žūriņš and Eelke Wielinga*

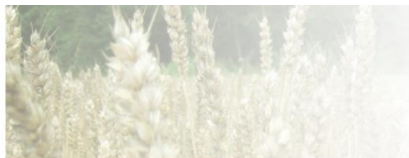
15:00 – 15:30	Eelke Wielinga	<b>INNOVATION EMERGES FROM PARTNERSHIP</b>
15:30 – 15:45	Bronisław Dutka, Bartosz Mickiewicz	FARM ADVISORY SERVICE IN POLAND IN LIGHT OF LEGAL REGULATIONS
15:45 – 16:00	Kirsi Mäkinieniemi, Kati Partanen	HOW TO GUIDE STUDENTS GOING TO PRACTICAL TRAINING IN AGRICULTURAL STUDIES?
16:00 – 16:15	Jan Žukovskis	EDUCATIONAL AND RESEARCH POTENTIAL FOR ADVISORS AND EXPERTS: CASE OF ECONOMIC AND MANAGEMENT FACULTY IN ALEKSANDRAS STULGINSKIS UNIVERSITY, LITHUANIA
16:15 – 16:30	Andis Kursītis	ADVISOR AS AN EXPERT TO PROMOTE INNOVATION TRANSFER. EXAMPLES OF GOOD PRACTICE OF INNOVATION PARTNERSHIP.
16:30 – 17:00	Discussion with the farm advisory service providers from the Latvian Rural Training and Advisory Centre moderated by Kaspars Žūriņš, Member of the Board of the Latvian Rural Advisory and Training Centre	

*This session is supported by the Latvian Rural Training and Advisory Centre*

**17:15 NJF MEMBERS MEETING** (Small Hall)

**19:00 OPENING DINNER AT THE RIGA LATVIAN SOCIETY HOUSE**





## WEDNESDAY, JUNE 17

### INTEGRATED PEST MANAGEMENT (Small Hall)

*Chairs: Per Kudsk and Biruta Bankina*

		<b>INTEGRATED PEST MANAGEMENT: THE FUTURE PARADIGM</b>
<b>9:30 – 10:00</b>	<b>Per Kudsk</b>	
10:00 – 10:20	Velemir Ninkovic, Iris Dahlin, Andja Vucetic, Robert Glinwood	BOTANICAL DIVERSITY – AN UNEXPLOITED RESOURCE FOR PLANT PROTECTION
10:20 – 10:40	Jānis Gailis, Ināra Turka	THE ASSESSMENT OF PREVIOUSLY UNAPPLIED FIELD METHOD FOR RESEARCH ON GROUND BEETLES AS INDICATORS OF INTEGRATED PEST MANAGEMENT
10:40 – 11:00	Grete Lene Serikstad, Christer Magnusson, Guro Brodal, Anne de Boer	SEARCHING FOR THE CAUSE OF CLOVER FATIGUE
11:00 – 11:20	Biruta Bankina, Gunita Bimšteine, Antons Ruža, Dzintra Kreita, Merabs Katamadze, Līga Paura	CROP ROTATION – THE MAIN FACTOR INFLUENCING THE DEVELOPMENT OF WHEAT LEAF BLOTCH
11:20 – 11:40	Toivo Univer, Neeme Univer	THE RESULTS OF A COMPARISON TRIAL OF APPLE SCAB RESISTANT CULTIVARS IN ESTONIA

### POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Jevgenija Ņečaļeva, Ieva Dudele, Zane Mintāle, Līvija Zariņa, Sanita Zute, Māra Bleidere, Zaiga Jansone	INCREASED INFESTATION OF AGRICULTURAL LAND WITH WILD OAT ( <i>AVENA FATUA</i> L.) IN LATVIA AS RELATED TO VARIATION OF SEED MORPHOLOGY AND GERMINATION
2	Gunita Bimšteine, Biruta Bankina, Līga Lepse	OCCURRENCE OF CARROT DISEASES IN LATVIA
3	Kaspars Gulbis, Biruta Bankina	MAIZE ( <i>ZEA MAYS</i> L.) LEAF DISEASES IN LATVIA

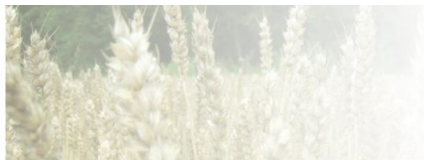
### GREENHOUSE GAS EMISSIONS FROM AGRICULTURE (Room 16)

*Chairs: Rogier P.O. Schulte and Dina Popluga*

		<b>RECENT POLICY DEVELOPMENTS (EUROPEAN COUNCIL DECISION) AND SOME NEW DATA ON GHG IN RELATION TO LAND MANAGEMENT</b>
<b>09.30 – 10.00</b>	<b>Rogier P.O. Schulte</b>	
10.00 – 10.20	Maarit Hellstedt, Hannu Haapala	USING A NEW FINNISH ENVIRONMENTAL TECHNOLOGY TO REDUCE ODOUR EMISSIONS FROM MANURE STORAGE AND SPREADING
10.20 – 10.40	Inguna Paredne, Maris Klavins	CLIMATE CHANGE ADAPTATION IN THE COUNTRYSIDE OF LATVIA: ADAPTATION TOOLS AND USE OF KNOWLEDGE
10.40 – 11.00	Dina Popluga, Kaspars Naglis-Liepa, Arnis Lēnerts	LATVIA'S PROGRESS TOWARDS AGRICULTURAL GHG MITIGATION
11:00 – 11:20	Lilija Degola, Aiga Trūpa, Elita Aplociņa, Laima Bērziņa	METHANE FROM ENTERIC FERMENTATION OF LIVESTOCK IN LATVIA
11:20 – 11:40	Juris Priekulis, Aivars Ābolņiņš	CALCULATION METHODOLOGY FOR CATTLE MANURE MANAGEMENT SYSTEMS BASED ON THE 2006 IPCC GUIDELINES
11:40 – 12:00	Pēteris Rivža, Laima Bērziņa, Ivars Mozga, Didzis Lauva	LONG-TERM FORECASTING OF GHG EMISSIONS IN THE AGRICULTURAL SECTOR OF LATVIA



*This session is supported by the National Research Program 1.2., Project EVIDEnT*



**POSTER SESSION** (Hallway of the 3<sup>rd</sup> floor)

1	Aija Ilgaza, Astra Ārme, Laura Otzule	POSSIBILITIES TO REDUCE THE GREENHOUSE GAS EMISSIONS BY SPEEDING UP THE CALF AND KID DEVELOPMENT
2	Ritvars Sudars, Juris Priekulis, Laima Bērziņa, Kristine Valujeva	MANURE MANAGEMENT SYSTEMS IMPACT ON GHG EMISSIONS.
3	Dzidra Kreismane	EFFECT OF ORGANIC FARMING ON CLIMATE CHANGE
4	Lilian O'Sullivan, Rachel Creamer, Reamonn Fealy, Gary Lanigan, Iolanda Simo, Owen Fenton, Jennifer Carfrae, Rogier P.O. Schulte	FUNCTIONAL LAND MANAGEMENT FOR MANAGING SOIL FUNCTIONS – THE TRADE-OFF BETWEEN PRIMARY PRODUCTIVITY AND CARBON STORAGE

**FORESTRY** (Room 18)

*Chairs: Rimvydas Vasaitis and Zane Lībiete*

<b>09:30 – 10:00</b>	<b>Rimvydas Vasaitis</b>	<b>EUROPEAN ASH AND ELM DEVASTATED BY ALIEN INVASIVE PATHOGENS: PERSPECTIVES?</b>
10:00 – 10:20	Mudrīte Daugaviete, Andis Bārdulis, Uldis Daugavietis, Dagnija Lazdiņa, Arta Bārdule	POTENTIAL OF PRODUCING WOOD BIOMASS IN SHORT-ROTATION GREY ALDER ( <i>ALNUS INCANA</i> MOENCH) PLANTATIONS ON AGRICULTURAL LANDS
10:20 – 10:40	Martins Zeps, Martins Purins, Janis Jansons, Janis Smilga, Aris Jansons	FACTORS AFFECTING HEIGHT GROWTH OF HYBRID ASPEN IN LATVIA
10:40 – 11:00	Kaspars Polmanis, Una Neimane, Imants Baumanis, Darta Klavina, Talis Gaitnieks, Aris Jansons	NEEDLE CAST DAMAGES IN YOUNG SCOTS PINE STANDS
11:00 – 11:20	Endijs Baders, Karlis Taukacs, Baiba Dzerina, Aris Jansons	CHARACTERISTICS OF UN-MANAGED NORWAY SPRUCE STANDS IN WINDTHROW AREA IN SLITERE NATIONAL PARK, LATVIA
11:20 – 11:40	Indulis Brauners, Kristīne Kenigšvalde, Kari Korhonen, Rimvydas Vasaitis, Tālis Gaitnieks	EFFICACY OF BIOLOGICAL CONTROL AGENT ROTSTOP IN CONTROLLING HETEROBASIDIUM INFECTION IN SPRUCE AND PINE STUMPS IN LATVIA
11:40 – 12:00	Tālis Gaitnieks, Kristaps Gruduls, Rimvydas Vasaitis	HETEROBASIDIUM ANNOSUM S.L. IN PICEA ABIES UNDERSTORY: INCIDENCE AND IMPACT ON RADIAL GROWTH OF TREES

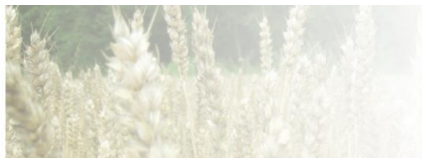
*This session is supported by the Latvian State Forest Research Institute "Silava"*

**LANDSCAPE ARCHITECTURE AND PLANNING** (Room 15)

*Chair: Madara Markova*

<b>9:30 – 10:00</b>	<b>Anders Larsson</b>	<b>URBAN SPRAWL AND ITS EFFECTS ON AGRICULTURAL LAND AND FUTURE SOCIETAL CONSEQUENCES</b>
10:00 – 10:20	Daiga Zigmunde, Maija Jankevica, Kristīne Vugule	THE INFLUENCING FACTORS OF LANDSCAPE AESTHETICS IN LATVIAN RURAL AREAS
10:20 – 10:40	Madara Markova, Natalija Nitavska	CHURCH LANDSCAPES IDENTITY IN THE COASTLINE OF NORD KURZEME
10:40 – 11:00	Una Īle, Aija Ziemeļniece	PUBLIC OPEN SPACE REVITALIZATION IN CITIES OF LATVIA





**SUSTAINABLE RURAL AND TERRITORIAL DEVELOPMENT I** (Museum Hall)

*Chairs: Jyrki Niemi and Linas Stabingis*

9:30 – 10:00	Baiba Rivza, Elita Jermolajeva, Maiga Kruzmetra	<b>RURAL SPACE COHESION CHALLENGES IN THE BALTIC STATES</b>
10:00 – 10:15	Jyrki Niemi	TWENTY YEARS AFTER – WELFARE EFFECTS OF THE APPLICATION OF THE CAP IN AUSTRIA, FINLAND AND SWEDEN
10:15 – 10:30	Aleksandra Martinovska Stojcheska, Ana Kotevska, Natalija Bogdanov, Aleksandra Nikolić	APPLICATION OF RURAL DEVELOPMENT POLICY IN SEE COUNTRIES: BEHAVIORAL ECONOMICS APPROACH
10:30 – 10:45	Fredricson Magnus, Ljung Magnus	ASSESSING INTERVENTIONS SUPPORTING SUSTAINABLE DEVELOPMENT IN RURAL AREAS – A DIALOGICAL APPROACH
10:45 – 11:00	Linas Stabingis, Darius Jazepčikas, Asta Raupelienė	EMPLOYMENT AND LABOUR MARKET DEVELOPMENT IN NORDIC AND BALTIC STATES
11:00 – 11:15	Baiba Rivza, Ingrīda Latimira	PROBLEMS OF RECORDING BIOLOGICAL ASSETS AND LEGISLATION SHORTCOMINGS IN LATVIA, POSSIBLE SOLUTIONS
11:30 – 11:45	Jarkko K. Niemi	AN AUTOREGRESSIVE MODEL TO ESTIMATE THE IMPACTS OF PRICE SHOCKS ON FEED PRICES
11:45 – 12:00	Ina Gudele, Baiba Rivza	FACTORS INFLUENCING E-COMMERCE DEVELOPMENT IN BALTIC RURAL AREAS.

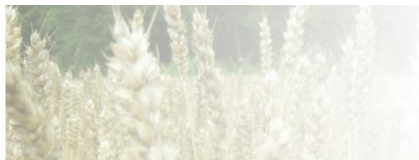


*This session is supported by the National Research Program 5.2., Project EKOSOC\_LV*

**POSTER SESSION** (Hallway of the 3<sup>rd</sup> floor)

1	Zane Bulderberga	FORECASTED OUTCOMES OF LATVIAN REGIONAL POLICY'S IMPLEMENTATION IN MUNICIPALITIES
2	Santa Graikste	THE INFLUENCE OF THE PRESIDENCY OF LATVIA AT THE EU COUNCIL ON THE DEVELOPMENT OF THE TOURISM INDUSTRY IN THE REGIONS OF LATVIA
3	Agnese Hauka, Baiba Rivža	COMMON AGRICULTURAL POLICY (CAP) – FOR INCREASING EU COMPETITIVENESS IN GLOBAL MARKET
4	Matts Nysand, Risto Rautiainen, Jarkko Leppälä, Ari Ronkainen	SAFETY MANAGEMENT REGARDING AGRICULTURAL MACHINERY

**12:00 – 13:00**      **Lunch**



## TRENDS IN HORTICULTURE (Museum Hall)

**Chairs: Ingeborg Menzler-Hokkanen and Edīte Kaufmane**

		RESULTS OF FRUIT BREEDING IN BALTIC AND NORDIC STATES
13:00 – 13:30	Laila Ikase	
13:30 – 13:50	Ingeborg Menzler-Hokkanen, Heikki M.T. Hokkanen, Marja-Leena Lahdenperä	BERRY AND FRUIT CULTIVATIONS IN FINLAND: THE CHANGE IN CAP AND ITS IMPLICATIONS FOR THE FUTURE
13:50 – 14:10	Jana Apse, Aldis Karklins, Anita Osvalde	DETERMINATION OF NITROGEN EFFICIENCY BY HALF-HIGH BLUEBERRY CULTIVAR 'CHIPPEWA'
14:10 – 14:30	Irina Sivicka, Ieva Žukauska, Antra Balode, Aleksandrs Adamovics	FRESH AND DRY BIOMASS OF OREGANO ( <i>ORIGANUM VULGARE</i> L.) ACCESSIONS
14:30 – 14:50	Aušra Brazaitytė, Julė Jankauskienė, Akvilė Viršilė, Giedrė Samuolienė, Sandra Sakalauskienė, Ramūnas Sirtautas, Algirdas Novičkovas, Laurynas Dabašinskas, Viktorija Vaštakaitė, Jurga Miliauskienė, Aistė Bagdonavičienė, Pavelas Duchovskis	RESPONSE OF BRASSICACEAE MICROGREENS TO SUPPLEMENTAL UV-A EXPOSURE

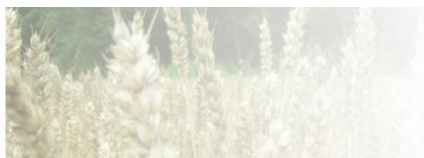
## POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Aušra Brazaitytė, Sandra Sakalauskienė, Ivan Jauregui, Romualdas Juknys, Irena Januškaitienė, Ramūnas Sirtautas, Jurga Miliauskienė, Pavelas Duchovskis	PHYSIOLOGICAL CHARACTERISTICS ON <i>SPINACIA OLERACEA</i> L. SUBJECTED TO SUBSTRATE MOISTURE AND UV-B RADIATION
2	Aistė Bagdonavičienė, Aušra Brazaitytė, Julė Jankauskienė, Akvilė Viršilė, Ramūnas Sirtautas, Giedrė Samuolienė, Sandra Sakalauskienė, Jurga Miliauskienė, Pavelas Duchovskis	THE EFFECT OF LIGHT-EMITTING DIODES ILLUMINATION SPECTRA ON GROWTH OF SWEETPEPPER ( <i>CAPSICUM ANNUUM</i> L.) TRANSPLANTS
3	Viktorija Vaštakaitė, Akvilė Viršilė, Aušra Brazaitytė, Giedrė Samuolienė, Julė Jankauskienė, Ramūnas Sirtautas, Algirdas Novičkovas, Laurynas Dabašinskas, Sandra Sakalauskienė, Jurga Miliauskienė, Pavelas Duchovskis	THE EFFECT OF BLUE LIGHT DOSAGE ON GROWTH AND ANTIOXIDANT PROPERTIES OF BRASSICACEAE MICROGREENS
4	Kaspars Kampuss, Ieva Millere	PERFORMANCE OF APPLE STORED FOR LIMITED TIME IN SIMPLE FACILITIES

## ANIMAL PRODUCTION, ANIMAL WELFARE AND PROTECTION OF ANIMAL HEALTH (Room 16)

**Chairs: Olav Martin Synnes and Jørgen Dejjgård Jensen**

		RECOGNIZING HOW ANIMALS ARE FEELING
13:00 – 13:30	Ruth C. Newberry	
13:30 – 13:45	Alan Waller	RESOLVING FOLLICLE POPULATIONS WITHOUT BIOPSY – ENHANCING OPTICAL FIBRE DIAMETER ANALYSIS OF WOOL AND FUR QUALITY
13:45 – 14:00	Lars Nesheim, Olav Martin Synnes, Arvid Steen, Anne Langerud	DIETARY CATION-ANION DIFFERENCE (DCAD) OF FORAGE SPECIES IN NORWAY
14:00 – 14:15	Pernille Engelsen Etterlin, Eva Heldmer, Julia Österberg, Stina Ekman	EFFECT OF ORGANIC AND CONVENTIONAL HOUSING ON PREVALENCE OF OSTEOCHONDROSIS DISSECANS IN FINISHING PIGS



14:15 – 14:30	Jarkko K. Niemi, Anna Ollila, Liisa Voutila, Anna Valros, Claudio Oliviero, Mari Heinsonen, Olli Peltoniemi	ECONOMIC ASPECTS OF IMMUNOCASTRATION IN THE PIGS
14:30 – 14:45	Jørgen Dejgård Jensen, Mogens Lund	DEVELOPING LIVESTOCK VACCINES – CAN A REAL OPTIONS APPROACH TO COST ASSESSMENT MAKE A POLICY DIFFERENCE?
14:45 – 15:00	Leif J. Asheim, Gry M. Grøneng, Petter Hopp, Ola Nafstad, Agnar Hegrenes, Synnøve Vatn	ECONOMIC EVALUATION OF AN ERADICATION PROGRAM OF VIRULENT FOOTROT IN NORWEGIAN SHEEP
15:00 – 15:15	Hans Andersson, Yves Surry, Leif Jarle Asheim, Agnar Hegrenes	SCANDIVAVIAN HORSE INDUSTRY – FUTURE SCENARIOS AND FORESIGHT ANALYSIS

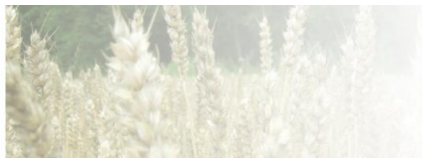
### POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Meldra Ivbulē, Anda Valdovska, Edvīns Miklaševics, Liene Čupāne	METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS IN PIG SLAUGHTERHOUSES
2	Anda Valdovska, Ivars Lūsis	SEROPREVALENCE TO BOVINE VIRAL DIARRHOEA AND INFECTIOUS BOVINE RHINOTRACHEITIS VIRUSES IN A NON-VACCINATED DAIRY CATTLE IN LATVIA
3	Dace Keidāne, Anna Krūklīte, Anda Valdovska	PARASITOSSES IN THE DAIRY CATTLE HERDS IN LATVIA
4	Solvīta Petrovska, Daina Jonkus, Aleksandrs Adamovičs	THE SILAGE COMPOSITION AND ITS INFLUENCE ON DAIRY COWS MILK YIELD
5	Dace Bārzdīņa, Daina Kairiša	THE PRODUCTION AND QUALITY ANALYSIS OF LATVIAN DARKHEAD BREED LAMBS

### SOIL AND WATER MANAGEMENT I (Room 18)

*Chairs: Aldis Karklins and Seija Virtanen*

13:00 – 13:30	Markku Yli-Halla	<b>EFFICIENT UTILIZATION OF NATIVE NUTRIENT SOURCES</b>
13:30 – 13:45	Seija Virtanen, Jaana Uusi-Kämpä, Peter Österholm, Markku Yli-Halla	CONTROLLED DRAINAGE AND SUB-IRRIGATION AS A METHOD FOR MITIGATE ACID LOADING IN FINNISH ACID SULFATE SOILS
13:45 – 14:00	Patrick Tuohy, James Humphreys, Nicholas Holden, James O' Loughlin, Brian Reidy, Owen Fenton	VISUAL DRAINAGE ASSESSMENT: LAND DRAINAGE DESIGN ON THE FARM
14:00 – 14:15	Lassi Warsta, Riikka Nousiainen, Mika Turunen, Hanna Huitu, Harri Koivusalo, Liisa Pesonen	ANALYSING PERFORMANCE AND CONTRIBUTING AREAS OF A SUBSURFACE DRAINAGE SYSTEM WITH A HYDROLOGICAL MODEL
14:15 – 14:30	Heidi Salo, Lassi Warsta, Mika Turunen, Maija Paasonen-Kivekäs, Jyrki Nurminen, Markus Sikkilä, Laura Alakukku, Merja Mylly, Markku Puustinen, Helena Aijo, Harri Koivusalo	SIMULATION OF WATER FLOW TO SUBSURFACE DRAINS CONSTRUCTED WITH TRENCHLESS AND TRENCH INSTALLATION METHODS
14:30 – 14:45	Mika Turunen, Lassi Warsta, Maija Paasonen-Kivekäs, Laura Alakukku, Harri Koivusalo	EFFECTS OF LAND-USE, TOPOGRAPHY AND HYDROLOGICAL VARIATION ON SEDIMENT LOADS IN CLAYEY SUBSURFACE DRAINED AGRICULTURAL FIELDS
14:45 – 15:00	Johannes Deelstra	SUBSURFACE DRAINAGE RUNOFF BEHAVIOUR IN NORWAY
15:00 – 15:15	Karuppan Perumal, Jayaraman Arunkumar, Alan Waller	DEVELOPING A MOBILE LABORATORY METHOD FOR SOIL NUTRIENT ANALYSIS SERVICES TO LOW INCOME FARMERS



### POSTER SESSION (Hallway of the 3<sup>rd</sup> floor)

1	Solvita Zeipina, Ina Alsina, Līga Lepse, Māra Duma	THE EFFECT OF IRRIGATION ON THE BIOCHEMICAL CONTENT OF LEAFY VEGETABLES
3	Patrick Tuohy, James Humphreys, Nicholas Holden, Owen Fenton	MOLE DRAINAGE PERFORMANCE IN A CLAY LOAM SOIL
4	Mahmoud F. Seleiman, Asko Simojoki, Helena Soinne, Arja Santanen, Pirjo S. A. Mäkelä	DIGESTED SLUDGES AS A SOURCE OF PHOSPHORUS, AND ENVIRONMENTAL RISK
5	Anita Gunnarsson	ESTABLISHMENT AND GROWTH OF CHICORY ( <i>CICHORIUM INTYBUS</i> ) UNDERSOWN TO CONVENTIONALLY CROPPED CEREALS
6	Aldis Karklins, Inara Lipenite, Antons Ruza	SOIL PHOSPHOROUS AND POTASSIUM APPARENT RECOVERY BY FIELD CROPS

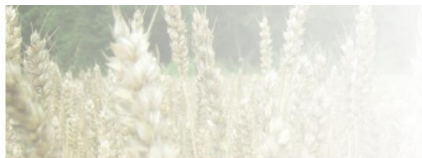
### CROP SCIENCE AND PRODUCTION II (Small Hall)

**Chairs: Sigitas Lazauskas and Liv Østrem**

13:00 – 13:20	Aleksandras Velykis, Aušra Arlauskienė, Laura Masilionytė, Stanislava Maikštėnienė, Antanas Satkus, Danutė Jablonskytė-Raščė	POSSIBILITIES OF USING COVER CROPS IN CLAY LOAM SOILS OF NORTHERN LITHUANIA
13:20 – 13:40	Kirsi Mäkinieniemi, Maarit Hyrkäs, Perttu Virkajärvi	THE ORIGIN AND ITS EFFECT ON GROWING HABITS OF THE REGROWTH TILLERS OF TIMOTHY AND TALL FESCUE IN FINLAND
14:00 – 14:20	Liv Østrem, Áslaug Helgadóttir, Oiva Niemeläinen, Mervi Seppänen, Morten Greve Pedersen, Magnus Halling, Odd Arne Rognli	ENVIRONMENTAL IMPACT ON WINTER SURVIVAL AND PRODUCTION IN NON-NATIVE GRASSES IN THE NORDIC COUNTRIES
14:20 – 14:40	Ievina Sturite And Tor Lunnan	PERSISTENCE AND ESTABLISHMENT OF RED CLOVER UNDER EXTENSIVE FORAGE PRODUCTION SYSTEMS IN NORWAY
14:40 – 15:00	Sigitas Lazauskas, Šarūnas Antanaitis, Virmantas Povilaitis And Renaldas Žydelis	PRODUCTIVITY OF CROPS OF FIELD ROTATION IN CONTRASTING GROWING SEASONS

**19:00**

**GALA DINNER AT THE RUNDALE PALACE (depart from Riga at 16:30)**



**THURSDAY, JUNE 18**

**ORGANIC AGRICULTURE** (Small Hall)

*Chairs: Anne-Kristin Løes and Dzidra Kreišmane*

9.30 – 10.00	Anne-Kristin Løes, Ólafur R. Dýrmondsson, Dzidra Kreišmane, Minna Mikkola, Sirlī Pehme, Ilse A. Rasmussen, Virgilijus Skulskis, Maria Wiwstad	THE ORGANIC SECTOR IN THE NORDIC-BALTIC REGION – WHAT IS ACHIEVED, AND WHAT IS CHALLENGING FURTHER GROWTH?
10.00 – 10.20	Aušra Arlauskienė, Žydrė Kadžiulienė, Irena Deveikytė, Lina Šarūnaitė, Roma Semaškienė, Edita Karbauskienė, Laura Masilionytė, Danutė Jablonskytė-Raščė	CROP DIVERSITY AND PRODUCTIVITY UNDER ORGANIC FARMING IN LITHUANIA
10.20 – 10.40	Helena Madsen, Liina Talgre, Viatcheslav Eremeev, Anne Luik, Erkki Mäeorg	IN ORGANIC CROP ROTATION WINTER COVER CROPS IMPROVE SOIL, WEED SUPPRESSION AND CROP YIELDS
10.40 – 11.00	Anders Johansen, Reidun Pommeresche, Hugh Riley, Anne-Kristin Løes	ANAEROBIC DIGESTION OF ANIMAL MANURE – IMPLICATIONS FOR CROP YIELDS AND SOIL BIOTA IN ORGANIC FARMING

**POSTER SESSION** (Hallway of the 3<sup>rd</sup> floor)

1	Ilmar Tamm, Ülle Tamm, Anne Ingver, Reine Koppel, Ilme Tupits, Ants Bender, Sirje Tamm, Lea Narits, Mati Koppel	PROTEIN CONTENT AND VOLUME WEIGHT OF CEREALS DEPENDING ON LEGUMINOUS PRECROP IN ORGANIC CONDITIONS
2	Pirjo Kivijärvi, Sari Iivonen	BIOMASS PRODUCTION AND NITROGEN UPTAKE OF DIFFERENT GREEN MANURE AND CATCH CROPS ON FINNISH ORGANIC VEGETABLE FARMS

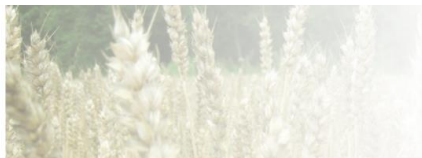
**SUSTAINABLE RURAL AND TERRITORIAL DEVELOPMENT II** (Museum Hall)

*Chairs: Baiba Rivza and Viktorija Zaluksne*

9:30 – 9:45	Liva Grinevica, Baiba Rivza	YOUTH LONG-TERM UNEMPLOYMENT PROBLEMS AND SOLUTIONS IN RURAL AREAS
9:45 – 10:00	Jarkko K. Niemi, Nicholas Minot, Mila Sell	MARKETING OF AGRICULTURAL PRODUCTS AND THE USE OF MOBILE PHONES AMONG FARM-HOUSEHOLDS IN GHANA AND UGANDA: A SURVEY
10:00 – 10:15	Janne P. Karttunen, Risto H. Rautiainen	GENDER DIVISION OF FARM WORK AND OCCUPATIONAL INJURIES
10:15 – 10:30	Laura Jeroscenkova, Baiba Rivza, Maiga Kruzmetra, Ligita Melece, Aleksandrs Spaks, Mikalai Artsiusheuski	THE VALUE OF CULTURAL HERITAGE: THE STATE IN BELARUS AND LATVIA
10:30 – 10:45	Viktorija Zaluksne, Baiba Rivza	KNOWLEDGE-BASED ENTERPRISES DISTRIBUTION IN THE URBAN AND RURAL AREAS OF LATVIA



*This session is supported by the National Research Program 5.2., Project EKOSOC\_LV*



### SOIL AND WATER MANAGEMENT II (Room 18)

*Chairs: Markku Yli-Halla and Kristiina Regina*

9:30 – 9:45	Kirsty McKinnon	TOWARDS A NEW SOIL AWARENESS – EDUCATIONAL TOOLS FOR USE IN PRIMARY SCHOOL
9:45 – 10:00	Aldis Karklins	HISTOSOLS IN LATVIA AND WRB SOIL CLASSIFICATION
10:00 – 10:15	Kristiina Regina, Pooja Singh, Jaakko Heikkinen, Elise Ketoja, Visa Nuutinen, Ansa Palojarvi, Jatta Sheehy, Martti Esala, Sudip Mitra, Laura Alakukku	THIRTY YEARS OF REDUCED TILLAGE OR STRAW MANAGEMENT HAD MINOR EFFECTS ON SOIL CARBON SEQUESTRATION
10:15 – 10:30	Danute Karcauskiene, Ieva Jokubauskaite, Regina Repsiene, Dalia Ambrazaitiene, Alvyra Slepeliene	EFFECT OF LIMING ON THE DYNAMICS OF WATER-STABLE AGGREGATES AND ORGANIC CARBON IN MORAIN LOAM SOIL
10:30 – 10:45	Imants Kukuļs, Oļģerts Nikodemus, Raimonds Kasparinskis, Santa Grāvelsiņa, Dana Prižavoite	CARBON ACCUMULATION AND HUMIFICATION IN SOILS OF ABANDONED FORMER AGRICULTURAL LANDS IN THE HEMIBOREAL ZONE
10:45 – 11:00	Karin Hamnér, Martin Weih, Jan Eriksson, Holger Kirchmann	IMPACT OF NITROGEN FERTILIZATION ON NUTRIENT UPTAKE AND STOICHIOMETRY IN WINTER WHEAT

### 11:15 – 12:00 CLOSING CEREMONY (Small Hall)

*Chair: Svein Skøien*

Summary about the 25<sup>th</sup> NJF Congress

Award giving for the best PhD student presentations

Announcement of the 26<sup>th</sup> NJF Congress

### 12:00 – 13:00 LUNCH

#### Acknowledgement

The preparation and publishing of this program is supported by the Ministry of Agriculture and the Rural Support Service of Latvia. The Congress is organised within the activities of Latvian Rural Network and co-financed by European Agricultural Fund for Rural Development.