

DAY 1 - Wednesday, 26th November 2014, HOTEL PANORAMA

CONFERENCE HALL KAPTOL

8.00-9.00 Registration
 9.00-9.30 OPENING CEREMONY

SESSION A: Natural resource management and potential of rural area
 PLENARY PRESENTATIONS

Chairs: D. Vuletić, D. Pettenella

9.30-10.00 **Margaret Shannon:** Division 9 Forest policy and economics, IUFRO
 10.00-10.30 **Bernhard Wolfslehner:** EFICEEC-EFISEE, BOKU University, Austria
 10.30-11.00 **Davide Pettenella:** NWFP marketing as a tool for the development of rural areas, Department of land, environment, agriculture and forestry, University of Padova, Italy

11.00-11.15 **Coffee break**

SESSION A: Natural resource management and potential of rural area - continuous

Chairs: D. Vuletić, D. Pettenella

11.15-11.30 **Dijana Vuletić:** Attitudes towards forests, use of non-wood forest products and recreational opportunities- results from two case studies in Croatia, Croatian Forest Research Institute, Croatia
 11.30-11.45 **Makedonka Stojanovska:** Challenges and opportunities for improving of NWFP-based small and medium enterprises businesses in SEE region, Faculty of Forestry, Ss. Cyril and Methodius University in Skopje, Republic of Macedonia
 11.45-12.00 **Adriano Ciani:** The valorisation of the local natural resources as example as of bottom-up action for the Sustainable Management and Promotion of Territory (A study case of the Stone Art School of Macereto-Italy), Faculty of Agriculture, University of Perugia, Italy
 12.00-12.15 **Nenad Lukić:** Exploring the issue of urban forests in Serbia: human and institutional dimension, Faculty of Agriculture, Novi Sad, Serbia
 12.15-12.30 **Fabio Pastorella:** Does mountain landscape characteristics influence visual appeal? A study case in an Alpine valley in Italy, European Forest Institute (EFI) - Project Centre "MOUNTFOR", Italy
 12.30-12.45 **Petra Isabella Schwarz:** Green Care FOREST – diversification as an opportunity for forestry, Austrian Research and Training Centre for Forests, Natural Hazards and Landscape, Austria

12.45-14.00 **Lunch**Lectures & Parallel sessions
 CONFERENCE HALL ZAGREB I

SESSION A: Natural resource management and potential of rural area - continuous

Chairs: M. Avdibegović, H. Marjanović

14.00-14.15 **Hikmet Batuhan Günşen:** Participation of stakeholders on protected area management in Turkey: case of Küre Mountains National Park, Bartın University Faculty of Forest. Bartın, Turkey
 14.15-14.30 **Krunoslav Teslak:** Impact of the actual structure and management on the future development and sustainable management of the pedunculate oak forests in eastern Croatia, Faculty of Forestry, University of Zagreb, Croatia
 14.30-14.45 **Wiene Andriyana:** Towards sustainable management of Java's teak forest: how have decentralization policy and movement affected the practices of collaborative forest management programme? University of Natural Resources and Applied Life Sciences, Institute of Forest Environmental and Natural Resource Policy, Austria
 14.45-14.00 **Karlo Beljan:** Economic valuation of urban trees: park Ribnjak case study, Zagreb, Faculty of Forestry, University of Zagreb, Croatia
 15.00-15.15 **Mersudin Avdibegović:** Forest certification in Bosnia-Herzegovina and Slovenia: obstacles and effects, Faculty of Forestry, University of Sarajevo, Bosnia and Herzegovina
 15.15-15.30 **Hrvoje Marjanović:** Distribution and dynamic of carbon stocks by pools in managed forest of Pedunculate oak, Croatian Forest Research Institute, Croatia
 15.30-15.45 **Krešimir Krapinec:** Growth dynamic of some body parameters of European mouflon (*Ovis gmelini musimon*) in the EU-Mediterranean zone of the northern Adriatic Sea, Faculty of Forestry, University of Zagreb, Croatia

CONFERENCE HALL ZAGREB II

SESSION B: Functional food and useful products from natural sources
PLENARY PRESENTATION

Chairs: M. Serafini, V. Dragović-Uzelac

- 13.45-14.30 **Mauro Serafini:** Linking sustainable diets and functional food from natural sources for human and planet health, Functional Food and Metabolic Stress Prevention, Rome
- 14.30-14.45 **Verica Dragović-Uzelac:** Wild fruits as ingredients for functional food, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 14.45-15.00 **Slađana Šobajić:** Fortified foods as an additional source of nutrients in Serbia, Faculty of Pharmacy, University of Belgrade, Serbia
- 15.00-15.15 **Vesna Zechner-Krpan:** Spent brewer's yeast, a raw material for isolation of β -glucan, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 15.15-15.30 **Ömer Faruk Çelik:** The effects of starter culture on chemical composition, textural and sensory characteristics of turkish tulum cheese with half fat during ripening, Faculty of Agriculture, Ordu University, Turkey
- 15.30-15.45 **Ivana Tlak Gajger:** Impact of honeybee casting comb foundations production on lead concentrations, Faculty of Veterinary Medicine, University of Zagreb, Croatia
- 15.45-16.15 **Coffee break**

CONFERENCE HALL GRİČ

- 15.45-16.30 Poster presentations (SESSIONS A&B)
- 20:00 GALA DINNER

DAY 2 - Thursday, 27th November 2014, HOTEL PANORAMA

CONFERENCE HALL ZAGREB I

8.00-9.00 Registration

SESSION C: Implementation of green technology, Biomass and sustainability
PLENARY PRESENTATIONS

Chairs: J. Clark, M. Brnčić

- 9.00-9.45 **James Clark:** Green chemistry and the bio-refinery, Green Chemistry Centre of Excellence, University of York, UK
- 9.45-10.30 **Roland Ludwig:** Oxidative cellulose degradation BOKU – University of Natural resources and Life Sciences, Vienna,
- 10.30-10.45 **Mladen Brnčić:** Novel processing technologies for food and agro waste and by products remediation, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 10.45-11.00 **Aleksandra Sander:** Green solvent in separation processes, Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia
- 11.00-11.15 **Stela Jokić:** Supercritical fluid extraction – new green technology in production of edible oils, Faculty of Food Technology, University of Osijek, Croatia
- 11.15 -11.30 **Coffee break**

Lectures & Parallel sessions

CONFERENCE HALL ZAGREB I

SESSION C: Implementation of green technology - continues

Chairs: J. Clark, M. Brnčić

- 11.30-11.45 Matej Ravber: Semi-continuous hydrothermal processing of larch bark for production of phenolic compounds and other natural antioxidants, Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
- 11.45-12.00 Tina Perko: Properties of starches in mixtures with supercritical CO₂ and their use as carriers in pgs micrization process, Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
- 12.00-12.15 Aleksandra Cvetanović: Subcritical water extraction of biologically active compounds from natural sources, Faculty of Technology, University of Novi Sad, Serbia
- 12.15-12.30 Ana Jurinjak Tušek: Aqueous two-phase extraction of polyphenols from red and white wine in microextractor, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 12.30-12.45 Jasna Halambek: Green approach in preventing corrosion of metals and alloys, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 12.45-13.00 Zvezdana Stančić: Application of phytoremediation for heavy-metal removal using common wild plant species in green city areas of Varaždin, Croatia, Faculty of Geotechnical Engineering, University of Zagreb, Croatia
- 13.00-13.15 Instrumentalia Adria: A New Category of Separations Science: Convergence Chromatography & Applications, Croatia

CONFERENCE HALL ZAGREB II

SESSION D1: Forest Biomass and sustainability

PLENARY PRESENTATION

Chairs: M. Šušnjar, P. Čurić

- 11.30-12.15 **HGK:** Opportunities and potential of biomass utilization in Croatia
- 12.15-12.30 Marijan Šušnjar: Energy balance of wood chip production, Faculty of Forestry, University of Zagreb, Croatia

- 12.30-12.45 Dinko Vusić: Optimization of energy wood chips quality by proper raw material manipulation, Faculty of Forestry, University of Zagreb, Croatia
- 12.45-13.00 Dušan Stojnić: Production of wood biomass in coniferous forests of the Republic of Serbia, Faculty of Forestry, University of Belgrade, Serbia
- 13.00-13.15 Alessandro Paletto: Environmental experts' perceptions of the impacts of forest biomass harvesting on ecosystem services, Agricultural Research Council (CRA), Forest Monitoring and Planning Research Unit, Italy

13.15 -14.15 **Lunch**

Lectures & Parallel sessions

CONFERENCE HALL ZAGREB I

SESSION D2: Biomass and sustainability- continues

Chairs: R. Ludwig, T. Rezić

- 14.15-14.30 Anita Slavica: Advances in production of optically pure lactic acid - platform C₃ compound in manufacturing commodity and high-value chemicals, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 14.30-14.45 Suzana Rimac Brnčić: Food by products as sources of functional ingredients, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 14.45-15.00 Senka Vidović: By products of food industry and possibilities of utilization, Faculty of Technology, University of Novi Sad, Serbia
- 15.00-15.15 Vlatka Petravić Tominac: Forest residues and wood waste as renewable raw materials in biotechnology, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 15.15-15.30 Tonči Rezić: Integrated Hydrolysis and Fermentation of lignocellulose to bioethanol, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
- 15.30-15.45 Vasko Plevnik: Biomass fired cogeneration with wastewater sludge co-incineration and 1 MW steam turbine, Enerkon Ltd, Croatia
- 15.45-16.00 Bruno Bogdan: Biomass gasification cogeneration plant with 1 MW gas engines, Enerkon Ltd, Croatia
- 16.00-16.15 Ines Krajcar Bronić: A new technique for determination of biogenic fraction in liquid fuel by the 14C method, Ruđer Bošković Institute, Croatia

CONFERENCE HALL ZAGREB II

SESSION D1: Forest Biomass and sustainability - continues

Chairs: I. Balenović, D. Vusić

- 14.15-14.30 Akira Kato: Increasing biomass energy production from fast-growing tropical plantation forest, Graduate School of Horticulture, Chiba University, Japan
- 14.30-14.45 Natasha Nikodinoska: Environmental costs and benefits of wood-based bioenergy production: A case study in Sarentino Valley (Northern Italy), Department of Science and Technology, Parthenope University of Naples, Italy
- 14.45-15.00 Ashok Kumar: Genetic improvement for growth performance to produce higher biomass in Gmelina arborea Roxb., Forest Research Institute Dehradun, India
- 15.00-15.15 Elvis Paladinić: Locally developed allometric models of forest woody biomass assessment in young Pendunculate oak forest stands of a part of Spačva basin, Croatian Forest Research Institute, Croatia
- 15.15-15.30 Željka Fištrek: Optimising the environmental sustainability of short rotation coppice biomass production for energy, Energy Institute Hrvoje Požar, Croatia
- 15.30-15.45 Milorad Danilović: Use of forest residues in the final cut of reproductive felling, Faculty of Forestry, University of Belgrade, Serbia
- 15.45-16.00 Labeco: Instrumental methods of determining carbon, hydrogen, nitrogen and sulfur in biomass, Croatia
- 16.00-16.30 **Coffee break**

CONFERENCE HALL GRİČ

- 16.00-16.30 Poster presentations (SESSIONS C&D)

DAY3 - Friday, 28th November 2014, Croatian Chamber of Economy

CONFERENCE HALL

8.00 – 9.00 Registration

SESSION E: Biodiversity and ecosystem services

PLENARY PRESENTATION

Chairs: N. Potočić, E. Pompei

- 9.00-9.45 **Enrico Pompei**: Intensive monitoring of forests ecosystems in Europe, National Forest Service, Italy
- 9.45-10.00 **Nenad Potočić**: Monitoring of forest ecosystems as a part of UNECE – ICP Forests programme, Croatian Forest Research Institute, Croatia
- 10.00-10.15 **Ivan Pilaš**: Response strategies of the main forest types to climatic anomalies in Croatia inferred from JRC FAPAR sensing data, Croatian Forest Research Institute, Croatia
- 10.15-10.30 **Jasnica Medak**: Ground vegetation composition as an important biodiversity factor and possible bioindicator in lowland forest ecosystems of Spačva, Croatia, Croatian Forest Research Institute, Croatia
- 10.30-10.45 **Halil Ozel**: The evaluation ground vegetation structure by the time series analyses in Turkish red pine (*Pinus brutia* Ten.) plantations in the western Black sea region in Turkey, Faculty of Forestry, Department of Silviculture, University of Bartın, Bartın, Turkey
- 10.45-11.00 **Željko Zgrablić**: First results on mycocoenological and phytocoenological characteristics of Austrian pine (*Pinus nigra*) stands in Istria, Croatia, Croatian Forest Research Institute, Croatia
- 11.00-11.30 **Coffee break Bio&Bio**
- 11.00-11.30 Registrations- Roundtable
- 11.30-12.30 **ROUNDTABLE - SUSTAINABLE DEVELOPMENT AND ECONOMY – MISSING LINK**

HOTEL PANORAMA

12.30-13.30 **Lunch**

CONFERENCE HALL ZAGREB I

SESSION E: Biodiversity and ecosystem services - continues

Chairs: S. Perić, D. Matošević

- 13.30-13.45 Vojislav Dukić: The structure and dynamics of mixed-species stand of Scots pine, Norway spruce and silver fir on mountain Klekovača (B&H), Faculty of Forestry, Banja Luka, Bosnia and Herzegovina
- 13.45-14.00 Cengiz Yucedag: Studies on morphogenetic characteristics of juvenile and one year old seedlings of some registered Brutian pine (*Pinus brutia* Ten.) seed stands in lakes district, Bartın University, Engineering Faculty, Environmental Engineering Department, Bartın, Turkey
- 14.00-14.15 Sanja Perić: Management of forest cultures on karst areas in Lika, Croatian Forest Research Institute, Croatia
- 14.15-14.30 Dinka Matošević: Box tree moth (*Cydalima perspectalis*), new invasive insect pest in Croatia, Croatian Forest Research Institute, Croatia
- 14.30-14.45 Božena Barić: Distribution and flight dynamic of *Rhagoletis completa* (Diptera; Tephritidae) and walnut quality evaluation in Croatia, Faculty of Agriculture, University of Zagreb, Croatia
- 14.45-15.00 Boris Liović: Alternative formulations for protection against oak powdery mildew, Croatian Forest Research Institute, Croatia
- 15.00-15.15 Milan Pernek: Comparison of *Thaumatopea processionea* populations in Brandenburg/Germany and Croatia - Why does the population in Croatia not increase? Croatian Forest Research Institute, Croatia
- 15.15-15.30 Sanja Novak Agbaba: Research activities in chestnut stands for their better future, Croatian Forest Research Institute, Croatia

15.30-16.00 **Coffee break**

CONFERENCE HALL GRIČ

15.30-16.00 Poster presentations (SESSION E)

CONFERENCE HALL ZAGREB I

16:00-16:30 Closing remarks