

## International Union of Forest Research Organizations

### IUFRO Meeting Report Form

Organizers of IUFRO meetings and IUFRO focal persons at IUFRO co-sponsored meetings, respectively, are kindly requested to fill in and return this form within two weeks after the meeting or by a given deadline by email (wolfrum@iufro.org). This information will be posted at the relevant IUFRO web pages and may be used for IUFRO News and the IUFRO Annual Report.

*(Note: Save this file under a new name and write directly into the form.)*

#### 1) IUFRO focal person/meeting organizer:

*Name: Croatian Forest Research Institute (International Scientific Committee Chair: Tamara Jakovljević)*

*Function in IUFRO: Office holder and Deputy Coordinator – 8.04.03 Atmospheric deposition, soils and nutrient cycles*

*Email: tamaraj@sumins.hr*

#### 2) Meeting data:

*Full title of the meeting: Natural resources, green technology and sustainable development – GREEN/5*

*Date and venue: 3<sup>rd</sup> - 5<sup>th</sup> December 2024.*

*Meeting website: <https://www.sumins.hr/green2024/>*

*Chairs of the conference: Sanja Perić, Croatian Forest Research Institute, PhD and Ivana Radojčić Redovniković, University of Zagreb, Faculty of Food Technology and Biotechnology, PhD*

*Chair of the organization committee: Kristina Radošević, University of Zagreb, Faculty of Food Technology and Biotechnology, PhD*

*Chair of the International Scientific committee: Tamara Jakovljević, Croatian Forest Research Institute, PhD*

*Number of participants: 255*

*Countries represented: Japan, Finland, Austria, Serbia, Portugal, France, Malaysia, Italy, Spain, Romania, Poland, Bosnia and Herzegovina, India, Greece, Netherlands, Albania, Turkey, Norway, Slovenia, Ohio and Croatia*

### **3) Organization of the meeting:**

*All IUFRO Units involved:* Division 8

*Host organization(s):*

Faculty of Food Technology and Biotechnology, University of Zagreb  
Croatian Forest Research Institute  
Institute for Adriatic Crops and Karst Reclamation, University of Zagreb  
Faculty of Forestry and Wood Technology, Croatian Society of Biotechnology  
Croatian Chamber of Forestry and Wood Technology Engineers  
University of Zagreb, Faculty of Agriculture  
Academy of Forestry Sciences  
“Zeleni prsten” Public Institution of Zagreb County

*Supporting organization(s):*

International Union of Forest Research Organizations (IUFRO) – Division 8  
European Forest Institute (EFI)  
European Biotechnology Thematic Network Association (EBTNA)

*Under the auspices of:*

President of the Republic of Croatia  
Rector of University of Zagreb  
Ministry of Agriculture  
Ministry of Science, Education and Youth  
City of Zagreb  
Croatian Accreditation Agency

*Sponsors:*

AnAs d.o.o.  
Crux d.o.o.  
INSEL LAB d.o.o.  
LabEKO d.o.o.  
Labena d.o.o.  
OHM Lab d.o.o.  
Shimadzu d.o.o.  
SOL Croatia d.o.o.

*Study tour(s) to: Zagreb city tour*

**4) Meeting report** (*max. 100 words per paragraph*)

**Thank you very much for your kind cooperation!**

*a) Background information (meeting context)*

After the great success of the GREEN2014, GREEN2016, GREEN2018 and GREEN2022 conferences and a break due to the pandemic, leading experts from all over the world gathered in Zagreb again. The fifth International Scientific & Expert Conference “Natural resources, green technology and sustainable development – GREEN/5” was held in the Hotel International in Zagreb from 3<sup>rd</sup> to 5<sup>th</sup> December in the organization by the Faculty of Food Technology and Biotechnology, University of Zagreb, Croatian Forest Research Institute for Adriatic Crops and Karst Reclamation, University of Zagreb Faculty of Forestry and Wood Technology, Croatian Society of Biotechnology, Croatian Chamber of Forestry and Wood Technology Engineers, University of Zagreb Faculty of Agriculture, Academy of Forestry Sciences, “Zeleni prsten” Public Institution of Zagreb County. The conference was supported by International organizations IUFRO – International Union of Forest Research Organizations / Division 8, EFI – European Forest Institute and EBTA – European Biotechnology Thematic Network Association. The conference is dedicated to challenges, risk and opportunities in the environment and ecosystem management while emphasizing the potential of plant extracts, functional food and useful products coming from nature as well as the implementation of green technology and biomass in general.

*b) Key issues discussed/latest findings in the field (bullet points or text):*

6 Sessions:

Session A: Environment and climate change

Session B: Sustainable production of food

Session C: Green technologies

Session D: Urban forest and urban greening

Session E: Sustainable wood products

*c) Conclusions (if possible, summarize key conclusions across presentations):*

*The conference was opened with two plenary presentation: “Rethinking economic growth: How forests can lead us to a sustainable future” by Robert Mavsar from European Forest Institute. Second plenary presentation “IUFRO – The International Union of Forest Research Organization” was held by Elena Paoletti from IUFRO. She presented the work of the International Union of Forest Research Organization.*

*Plenary presentations were held in all six sections:*

*Session A: Alessandra De Marco “Air pollution and Climate change Impacts on Forests”*

*Session B: Roland Ludwig “Enzymes contributing to sustainable food production”*

*Session C: Pedro Lozano “Green(Bio) Catalytic processes for sustainable chemical industries”*

*Session D: Polona Žindaršić Plazl “Flow biocatalysis as a key green technology “*

*Pierre Sicard: “The 3-30-300 rule compliance: A Geospatial tool for Urban Planning”*

*Session E: Aleš Straže “Use of non-destructive method to determine quality along the entire production chain from forest to end use”*

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*Session F: Valeriu-Norocel Nicolescu “Stand Silviculture “Vs. “Free-Growth Silviculture” in Sessile Oak (Quercus Petraea (Matt.) Liebl)*

*With a multidisciplinary approach, presenters at the conference presented and shared the latest scientific achievements and offered possible answers to the challenges ahead, as well as illustrating new policies, showing innovative techniques and outlining the sustainability of the ecosystems.*

*d) Outlook to future activities (proceedings, future meetings, other):*

*Book of Abstracts: <https://www.sumins.hr/wp-content/uploads/2025/01/knjiga-GREEN2024-14.pdf>*

*Proceedings:*

*[https://www.sumins.hr/wp-content/uploads/2025/01/GREEN2024\\_Proceedings\\_compressed.pdf](https://www.sumins.hr/wp-content/uploads/2025/01/GREEN2024_Proceedings_compressed.pdf)*

#### **4) Photos**

*Caption:*

*Credit (not protected by copyright):*

#### **5) Other information:**

*a) Communication activities (dissemination of information about the meeting; promotion of IUFRO)*

Plenary talk: ELENA PAOLETTI, Vice-President Task Forces and Special Programmes of the International Union of Forest Research Organizations: “The International union of forest research organizations (IUFRO)“

*b) Related publications /websites: <https://www.sumins.hr/green2024/>*

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