

## Fifth PannEx Workshop

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Professor Branislava Lalić of the Faculty of Agriculture, University of Novi Sad, hosted the 5<sup>th</sup> Pannonian Basin Experiment (PannEx) Workshop, where almost 50 scientists from Serbia, Romania, Hungary, Croatia, Germany, Italy and Spain presented their research on monitoring and modeling the hydroclimate systems in Europe and the Pannonian Basin. The primary focus of the workshop was on building PannEx task teams to address the environmental needs in the Pannonian Basin. Mónika Lakatos, the PannEx Chair, opened the meeting with an overview of the current progress of the PannEx initiative, which was followed by presentations on the following topics:

1. Micrometeorological observations in Serbia, Hungary and Croatia in vineyards, orchards and lakes, and the general role of the Pannonian Basin peripheral topography on the rest of the Basin.
2. Urban climate studies in Serbia and Romania based on observational studies of present climate and historical reconstructions of late 19<sup>th</sup> century climate.
3. Regional climate modeling simulations related to the European branch of Coordinated Regional Downscaling Experiment (EURO-CORDEX) simulations and those performed jointly by members of the PannEx community.

4. Topics pertaining to the forestry, ecosystem services, plant protection and climate smart agriculture, including desertification, soil suitability assessments and agrometeorological issues.
5. Weather impacts on human health and comfort and relevant processes in Serbia and Hungary.

All of these topics were further elaborated in almost 20 posters with many examples of collaboration between research groups from the Pannonian countries.

During the workshop the PannEx International Planning Committee and Task Team leaders' met. The newly appointed PannEx Secretary, Professor Danijel Jug of the University of Osijek, was present and is coordinating efforts to expand the PannEx community presence, both in the virtual and real world. Plans were discussed for the next PannEx Workshop, which is to be held in June 2020 at the Centre for Agricultural Research at the Hungarian Academy of Sciences in Martonvásár, Hungary.

The final day of the workshop was focused on presentations and discussions by each of the nine PannEx Task Teams:

1. Agroclimatological and Agrobiological Systems
2. Energy Production
3. Special Observations and Data Analysis
4. Ecosystem Services
5. Urban Climate and Air Quality
6. Outreach and Education
7. Micrometeorology and Agronomical Process Modeling
8. Water Balance at the Basin Scale
9. Modeling from Climate to Flash Floods

All Task Teams are steadily growing, and new members are welcomed.



*Participants of the 5<sup>th</sup> PannEx Workshop*