



UNIVERSITATEA BABEȘ-BOLYAI
BABEȘ-BOLYAI TUDOMÁNYEGYETEM
BABEȘ-BOLYAI UNIVERSITÄT
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TRADITIO ET EXCELLENTIA



Climate Services for a Sustainable Agriculture & Regional environmental challenges in the Pannonian basin Programme

Cluj-Napoca,
20-22 June, 2022



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Day 1: Monday, June, 20

12:00-13:00	Check-in (First floor)	
Official opening (First floor, Room 43) Chair-person: Adina-Eliza CROITORU		
13:00-13:30	<p>Welcome speech from Babeș-Bolyai University – Christian SĂCĂREA, vicerector Welcome speech from University of Agricultural Sciences and Veterinary Medicine – Cornel CĂTOI, rector Welcome speech from INDECO Soft – Ciprian GHIȘE, CEO Welcome speech from PannEx Network– Mónika LAKATOS, president Welcome speech from Faculty of Agriculture – Roxana VIDICAN, dean Welcome speech from Faculty of Geography –Ibolya TÖRÖK, vice-dean</p>	
13.30-13.40	Break	
Opening presentations (First floor, Room 43) Chair-persons: Mónika LAKATOS, Blanka BARTÓK		
13.40-13.50	Adina-Eliza CROITORU	AGROCLIMRO project
13.50-14.10	Sorin POP	Climate for service: crop suitability platform - novelty and challenges
14.10-14.30	Sorin Daniel VÂTCĂ, Valentina Ancuța STOIAN, Adina CROITORU, Titus Cristian MAN, Csaba HORVATH, Roxana VIDICAN, and Vlad STOIAN	Agrometeorological requirements of maize crop phenology for sustainable cropping—a historical review for Romania
14.30-14.50	Titus-Cristian MAN, Valentina STOIAN	Soil map of Romania



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14.50-15.10	Adina-Eliza CROITORU, Valentina STOIAN, Csaba HORVATH, Sorin Daniel VÂTCĂ, Bela KOBULNICZKY, Vlad STOIAN, Titus-Cristian MAN	AGROCLIMRO suitability model
15.10-15.25	Discussions	
15.25-16.00	Brunch (First floor, Room 45)	
Presentations (First floor, Room 43) Chair-persons: Rita PONGRÁCZ, Vlad STOIAN		
16.00-16.20	Emanuel BUEECHI, Milan FISCHER, Laura CROCETTI, Miroslav TRNKA, Aleš GRLJ, Wouter DORIGO	Data-driven crop yield forecasting in the Pannonian Basin and its skill in years of severe drought
16.20-16.40	Belén MARTÍ, Daniel MARTÍNEZ-VILLAGRASA, Joan CUXART	Evaluation of the surface layer stability functions for momentum, heat and water vapours in a semi-arid location
16.40-17.00	Valeriya OVCHARUK, Oksana VOLVACH, Lilia KUSHCHENKO	Estimation of aridity in the territory of the South of Ukraine using agro-climatic and hydrological drought indices
17.00-17.20	Bela KOBULNICZKY	A preliminary analysis regarding the impact of rainfall erosivity on irrigated and non-irrigated arable land in Romania
17.20-17.40	Zsolt MAGYARI-SÁSKA	Beyond the existing softwares
18.00 – 21.30	Official dinner (Casa Universitarilor Restaurant)	



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Day 2: Tuesday, June, 21

Presentations (First floor, Room 43) Chair-persons: Judit BARTHOLY, Csaba HORVATH		
9.00-9.30	Mónika LAKATOS	Recent advances in PannEx
9.30-9.50	Judit ILONA, Blanka BARTÓK, Tamás WEIDINGER, Alexandru DUMITRESCU, Sorin CHEVAL, Arun GANDHI, Ágoston Vilmos TORDAI	Climate change detection based on long-term historical meteorological data in the Carpathian Region
9.50-10.10	Mónika LAKATOS	Detecting changes in sub-daily precipitation for the PannEx region
10.10-10.30	Beatrix IZSÁK, Mónika LAKATOS, Olivér SZENTES, Zita BIHARI	Development of a representative database for the study of the climate of the Carpathian Basin
10.30-10.50	Valeriya OVCHARUK, Galina BOROVSKEYA, Natalia KICHUK	Analysis of the impact of weather conditions in 2010-2019 on the formation of flash floods in the north-western Black Sea region
10.50-11.20	Coffee break (First floor, Room 45)	
Presentations (First floor, Room 43) Chair-persons: Joan CUXART, Tamas WEIDINGER		
11.20-11.40	Zita SZABÓ, Joan CUXART, Tamás WEIDINGER, Burkhard WRENGER, Gemma SIMÓ, Blazenska MATJACIC	Evolution of the air and soil temperature profiles near the surface during a clear summer night in Szeged (PABLS'15 experiment)
11.40-12.00	Imelda SOMODI, Ákos BEDE-FAZEKAS	Expected future potential natural vegetation of Hungary under climate change scenarios



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12.00-12.20	Judit BARTHOLY, Rita PONGRÁCZ, Alexandra BERÉNYI	Analysing the detected and projected trends of extreme precipitation indices over the Pannonian plains
12.20-12.40	Rita PONGRÁCZ, Péter SZABÓ, Zsófia BARNA, Anna MRÁZ, Judit BARTHOLY	Analysis of temperature-related climatic events in winter and spring - attribution to anthropogenic climate change
13.00-15.00	Lunch (Casa Universitarilor Restaurant)	
Presentations (First floor, Room 43)		
Chair-persons: Michal ZAK, Sorin CHEVAL		
15.00-15.20	Sorin CHEVAL, Alexandru DUMITRESCU, Vlad AMIHĂESEI, Adrian IRAȘOC, Monica-Gabriela PARASCHIV, Darren GHENT	A country scale assessment of the heat hazard-risk in urban areas
15.20-15.40	Rita PONGRÁCZ, Zsuzsanna DEZSŐ, Judit BARTHOLY	Analysing the urban heat island of Budapest during summer heatwaves
15.40-16.00	Michal ZAK	Strategy for the Adaptation of the Capital City of Prague to Climate Change - the climatological point of view
16.00-16.20	Tamás WEIDINGER, Arun GANDHI, András Zénó GYÖNGYÖSI, Ágoston Vilmos TORDAI, Tamás KRÁMER, Péter TORMA, András REHÁK, Ákos HORVÁTH, Zita PAPPNÉ FERENCZI, Gyula HORVÁTH, Kornélia IMRE, István GERESDI	Micrometeorological measurement program for analysing foggy situations at Budapest and near Lake Balaton (2018-2021)
16.20-16.40	Ágoston Vilmos TORDAI, Tamás WEIDINGER, Péter TORMA, András REHÁK, Róbert MÉSZÁROS, Arun GANDHI, Lalic BRANISLAVA	Construction of common database, quality control and data processing procedures for micrometeorological measurement campaigns
16.40-17.00	Coffee break (First floor, Room 45)	
17.00-17.15	Official closing	



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Day 3: Wednesday, June, 22

9.00 - 12.00	PannEx International Planning Committee meeting (First floor, Room 52) Chair-person: Mónika LAKATOS
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