

44TH IAD CONFERENCE
FEBRUARY 6-9, 2023
KREMS, AUSTRIA



**Tackling Present & Future Environmental
Challenges of a European Riverscape**

CONFERENCE BOOK



CONFERENCE MISSION

The 44th IAD conference* is held under the patronage of the Austrian committee of the IAD at the Karl Landsteiner University of Health Sciences in Krems, situated in the beautiful landscape of the Wachau, next to the Danube River. This young university (founded in 2013) has a strong research focus on water quality and health, being a key player in this research field in the Danube River Basin. Here, health is considered in a holistic, transdisciplinary way under the “One Health” concept of the WHO, combining human, animal and environmental health in an ecological context. Thus the conference shall bring together scientists and experts from different disciplines for discussing the present and future environmental challenges of our Danube riverscape.

*This conference was originally planned to be organized by our Ukrainian colleagues at the Institute of Hydrobiology of the National Academy of Sciences in Kyiv, but due to the Russian aggression this became unfortunately impossible. We wish our esteemed colleagues all the best for their future.

TOPICS

- Pollution and health under the “One Health” concept
- Climate change and land-use change impacts on aquatic ecosystems
- Integrated water management – from environmental monitoring to sustainable solutions
- Status and future trends of aquatic species and habitats
- Protected areas and biodiversity conservation
- Floodplain ecology and restoration – constraints and perspectives
- The Human Dimension – rivers as socio-ecological systems
- Riverine landscapes and wetlands
- The Danube River delta and coastal ecosystems

CONFERENCE BOARD

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PROGRAM DAY 1_ February, 6 Monday					
09:00	10:00	Opening Session			Chair: Bernd Cyffka
09:00	09:20	Alexander Kirschner, Bernd Cyffka, Rudolf Mallinger	Karl Landsteiner University of Health Sciences, Austria/KU Eichstätt-Ingolstadt, Germany	CONFERENCE OPENING	oral
09:20	10:00	Slobodnik Jaroslav	Environmental Institute, Slovakia	CHEMICAL POLLUTION STATUS OF THE DANUBE RIVER	Keynote-oral
10:00	10:30	Coffee break			
10:30	12:20	Session 1 - Faecal Pollution			Chair: Farnleitner AH/Vierheilig J
10:30	10:45	Kirschner Alexander	Karl Landsteiner University of Health Sciences, Austria	JOINT DANUBE SURVEY 1 TO 4: CONCEPTS, LESSONS LEARNED AND FUTURE VISIONS ON FAECAL POLLUTION AND ANTIMICROBIAL RESISTANCE	oral
10:45	11:00	Steinbacher Sophia	Karl Landsteiner University of Health Sciences, Austria	A NEW MONITORING DATA DRIVEN APPROACH TO EVALUATE THE IMPACT OF SHIPS ON THE FAECAL POLLUTION LEVEL OF THE DANUBE RIVER IN LOWER AUSTRIA	oral
11:00	11:15	Kolarevic Stoimir	University of Belgrade, Serbia	APPLICABILITY OF WASTEWATER BASED EPIDEMIOLOGY IN COUNTRIES WITH POOR WASTEWATER TREATMENT – COVID-19 CASE STUDY IN SERBIA	oral
11:15	11:30	Oudega Thomas	Technische Universität Wien, Austria	TRANSPORT AND REMOVAL OF BACILLUS SUBTILIS ENDOSPORES IN AN ALLUVIAL GRAVEL AQUIFER AT DIFFERENT FLOW RATES AND IMPLICATIONS FOR SETBACK DISTANCES	oral
11:30	11:45	Reiter Michael	Medical University of Vienna, Austria	WHAT IS THE EFFECT OF MUNICIPAL WASTEWATER TREATMENT REGARDING THE REDUCTION OF HYGIENICALLY RELEVANT MICROORGANISMS? – A META STUDY	oral
11:45	12:00	Sommer Regina	Medical University of Vienna, Austria	HEALTH-RELATED INACTIVATION REQUIREMENTS FOR UV-IRRADIATED WASTEWATER EFFLUENTS DISCHARGED INTO RECREATIONAL SURFACE WATER BODIES	oral
12:00	12:15	Farnleitner Andreas	Technische Universität Wien, Austria	GUIDING FUTURE DEMANDS ON MICROBIAL DRINKING WATER SAFETY MANAGEMENT ALONG A LARGE HUMAN WASTEWATER IMPACTED RIVER: A RISK-BASED MODELLING APPROACH	oral
12:15	13:15	Lunch break			
13:15	15:00	Session 2 - Chemical Pollution & Climate change and land-use change impacts on aquatic ecosystems			Chair: Slobodnik J / Sommer R
13:15	13:30	Kittlaus Steffen	Technische Universität Wien, Austria	A DANUBE BASIN WIDE INVENTORY OF HAZARDOUS SUBSTANCE CONCENTRATIONS IN SURFACE WATERS AND IN MAIN EMISSION PATHWAYS	oral
13:30	13:45	Nagy Eszter	Budapest University of Technology and Economics, Hungary	EUTROPHICATION POTENTIAL OF THE STREAM NETWORK OF THE DANUBE BASIN	oral
13:45	14:00	Kračun-Kolarević Margareta	University of Belgrade, Serbia	IN SITU GENOTOXICITY ASSESSMENT IN THE WEIGHT-OF-EVIDENCE APPROACH – THE JOINT DANUBE SURVEY 4 CASE STUDY	oral
14:00	14:15	Niedrist Georg	University of Innsbruck, Austria	ENHANCED WARMING AND LONG-TERM PHENOLOGICAL SHIFTS IN MOUNTAINOUS TRIBUTARIES OF THE DANUBE	oral
14:15	14:30	Kaglyan A	National Academy of Sciences, Institute of Hydrobiology, Ukraine	THE ABSORBED DOSE RATE OF INTERNAL IRRADIATION OF FISH IN THE WATER BODIES OF THE CHORNOBYL EXCLUSION ZONE AT THE PRESENT STAGE	oral
14:30	14:45	Stanković Jelena	University of Belgrade, Serbia	ISOLATION OF MICROPLASTICS FROM FRESHWATER ASIAN CLAMS CORBICULA FLUMINEA (MÜLLER, 1774) IN THE DANUBE RIVER	oral
14:45	15:00	Dyatlov S	National Academy of Sciences, Institute of Marine Biology, Ukraine	PRELIMINARY ASSESSMENT OF CONTAMINANTS FROM KILIA BRANCH OF THE DANUBE TO THE BLACK SEA	oral
15:00	15:30	Coffee break			
15:30	16:54	Session 3 - Antimicrobial Resistance & Short Oral Poster Presentations			Chair: A Kirschner/S Kolarevic
15:30	15:45	Vierheilig Julia	Technische Universität Wien, Austria	SURVEILLANCE OF ANTIBIOTIC RESISTANCE GENES IN AUSTRIAN WASTEWATER TREATMENT PLANTS WITHIN THE DANUBE RIVER BASIN	oral
15:45	16:00	Zarfel Gernot	Medical University Graz, Austria	THE DANUBE'S WATER AND BIOFILMS: ANTIMICROBIAL RESISTANCE IN THE ENTEROBACTERIACEAE POPULATIONS	oral
16:00	16:15	Schachner-Gröhs Iris	Medical University of Vienna, Austria	OCCURRENCE OF ANTIBIOTIC RESISTANCE GENES ALONG GRADIENTS OF FAECAL POLLUTION IN WATER AND BIOFILM SAMPLES FROM THE WHOLE DANUBE RIVER	oral
16:15	16:18	Galazka Sonja	Austrian Agency for Health and Food Safety AGES, Austria	IMPACT OF FLOODING ON ANTIBIOTIC RESISTANCE GENE CONCENTRATIONS IN SOILS OF THE DONAU-AUEN NATIONAL PARK	short oral/Poster P1-1
16:18	16:21	Dielacher Irina	Technische Universität Wien, Austria	OCCURRENCE OF ANTIBIOTIC RESISTANT GENES IN TWO TRIBUTARIES OF THE DANUBE ALONG DIFFERENT ENVIRONMENTAL GRADIENTS	short oral/Poster P1-2
16:21	16:24	Haaser Dominik /Kainrath Stefanie	Karl Landsteiner University of Health Sciences/ IMC University of Applied Sciences, Austria	ANTIBIOTIC RESISTANCE OF ESCHERICHIA COLI ISOLATED FROM WATER AND BIOFILM SAMPLES OF THE KAMP RIVER	short oral/Poster P1-3
16:24	16:27	Leopold Melanie	Karl Landsteiner University of Health Sciences, Austria	HIGH LEVELS OF TOTAL SUSPENDED SOLIDS IN DANUBE FLOOD WATER SAMPLES AS A FACTOR FOR REDUCED DNA EXTRACTION EFFICIENCY AND POTENTIAL BIAS IN MOLECULAR DETECTION APPROACHES	short oral/Poster P1-4
16:27	16:30	Teubner Katrin	University of Vienna, Austria	WETLAND DYNAMICS OF LAKE NEUSIEDL AND SODA PANS MEASURED BY USING HIGH RESOLUTION PROBES	short oral/Poster P1-5
16:30	16:33	Jovičić Katarina	University of Belgrade, Serbia	IMPACT OF WASTEWATER DISCHARGES ON FATTY ACID PROFILE OF ROACH (RUTILUS RUTILUS) FROM DANUBE RIVER, BELGRADE	short oral/Poster P1-6
16:33	16:36	Kurant V	Ternopil Volodymyr Hnatiuk National Pedagogical University, Ukraine	COMPREHENSIVE ESTIMATION OF HEAVY METALS CONTAMINATION OF ECOSYSTEMS OF SMALL RIVERS FROM WESTERN PODILLYA (DNIESTER RIVER BASIN, UKRAINE)	short oral/Poster P1-7
16:36	16:39	Subotić Srđan	University of Belgrade, Serbia	DIFFERENCE IN ELEMENT ACCUMULATION AND HISTOPATHOLOGY OF PONTIC SHAD (ALOSA IMMACULATA) MIGRANTS CAUGHT IN THE DANUBE RIVER IN INTERVAL OF ONE DECADE	short oral/Poster P1-8
16:39	16:42	Oudega Thomas	Technische Universität Wien, Austria	UPSALING THE FATE AND TRANSPORT OF BACILLUS SUBTILIS ENDOSPORES AND COLIPHAGE PHIX174 IN HETEROGENEOUS POROUS MEDIA FROM THE COLUMN TO THE FIELD SCALE	short oral/Poster P1-9
16:42	16:45	Niedrist Georg	University of Innsbruck, Austria	DISPROPORTIONAL VULNERABILITY AND DIFFERENTIAL RESPONSE WITHIN AQUATIC INVERTEBRATE COMMUNITIES IN MOUNTAINOUS HEADWATERS OF THE DANUBE	short oral/Poster P1-10
16:45	16:48	Pavel Ana Bianca	National Institute of Marine Geology and Geo-Ecology, Romania	BIOACCUMULATION OF HEAVY METALS IN COMMON REED (PHRAGMITES AUSTRALIS) IN GORGOVA-UZLINA DEPRESSION, DANUBE DELTA	short oral/Poster P1-11
16:48	16:51	Zhezherya V	National Academy of Sciences, Institute of Hydrobiology, Ukraine	METALS IN THE WATER OF THE KILIYA DANUBE DELTA IN MODERN CONDITIONS: CONCENTRATION, SPECIATION, LIABILITY AND BIOAVAILABLE	short oral/Poster P1-12
16:51	16:54	Zhezherya V	National Academy of Sciences, Institute of Hydrobiology, Ukraine	BIOGENIC SUBSTANCES IN THE WATER OF THE KILIYA DANUBE DELTA IN MODERN CONDITIONS	short oral/Poster P1-13
16:54	17:45	Poster Session Day 1			
18:00	19:30	IAD General Assembly			

Conference Program

PROGRAM DAY 2, February, 7 Tuesday			
09:00	10:00	Opening Session Biodiversity and Ecology	Chair: Cyffka B
09:00	09:20	Afanasyev Sergyi National Academy of Sciences, Institute of Hydrobiology, Ukraine	FROM DONETS TO DANUBE: HYDROECOLOGICAL PROBLEMS AT THE BACKGROUND OF HOSTILITIES
09:20	10:00	Weigelhofer Gabriele University of Natural Resources and Life Sciences, Vienna & WasserCluster Lunz, Austria	CASCADING DROUGHT EFFECTS ON STREAM ECOSYSTEMS' FUNCTIONS AND COMMUNITIES
10:00 10:30 Coffee break			
Session 1 - The Danube River delta and coastal ecosystems			Chair: Teubner K
10:30	10:45	Becker Isabell Karlsruhe Institute of Technology (KIT), Germany	ABOVEGROUND BIOMASS AND CARBON STOCK OF FLOODPLAIN FORESTS AND REED BEDS IN THE DANUBE DELTA, ROMANIA
10:45	11:00	Minicheva Galyna National Academy of Sciences, Institute of Marine Biology, Ukraine	MORPHOFUNCTIONAL ASSESSMENT OF MACROALGAE FOR MONITORING OF THE ECOLOGICAL STATUS OF THE UKRAINIAN DANUBE AVANDELTA
11:00	11:15	Kulakova Irina National Academy of Sciences, Institute of Marine Biology, Ukraine	ECOLOGICAL STATUS OF THE DANUBE DELTA COASTAL AREA (UKRAINIAN PART) BASED ON THE ANALYSIS OF THE MEIOBENTHOS AND NEMATODE COMMUNITIES
11:15	11:30	Goncharov Oleksandr National Academy of Sciences, Scientific Hydrophysical Center, Ukraine	VARIABILITY OF THE DANUBE RIVER FLOW AFFECTS THE DISTRIBUTION OF CHLOROPHYLL IN THE NORTH-WESTERN BLACK SEA
11:30	11:45	Vyshnevskiy Viktor National Aviation University, Ukraine	THERMAL REGIME OF THE LOWER COURSE OF THE DANUBE RIVER
11:45	12:00	Ivanova Natalia National Academy of Sciences, Institute of Hydrobiology, Ukraine	CHANGES IN THE HYDROLOGICAL REGIME OF THE WETLANDS OF THE DANUBE DELTA (ON THE EXAMPLE OF STENSOVSKO-ZHEBRIANSKY PAVNI)
Session 2 - Riverine landscapes and wetlands & Protected areas and biodiversity conservation			Chair: Teubner K
12:00	12:15	Scrieleu Albert National Institute of Marine Geology and Geo-Ecology, Romania	NATURAL ASSURANCE SCHEME DEVELOPMENT IN THE LOWER DANUBE: FROM NBS DESIGN PROCESSES TO CO-BENEFITS CAPITALIZATION
12:15 13:30 Lunch break			
Session 2 continued- Riverine landscapes and wetlands & Protected areas and biodiversity conservation			Chair: Hein T
13:30	13:45	Cyffka Bernd Catholic University of Eichstätt-Ingolstadt, Germany	MEDIUM- AND LONG-TERM MONITORING OF HYDROLOGY AND FLUVIAL MORPHODYNAMICS OF A NEAR-NATURAL BYPASS STREAM ALONG THE UPPER DANUBE BETWEEN NEUBURG AND INGOLSTADT (BAVARIA/GERMANY)
13:45	14:00	Subotić Srđan University of Belgrade, Serbia	GROWTH AND LENGTH-WEIGHT RELATIONSHIP OF THE PIKEPERCH (SANDER LUCIOPERCA) FROM COMMERCIAL CATCHES IN THE RIVER DANUBE NEAR BELGRADE (1162–1163 RKM)
14:00	14:15	Pařil Petr Masaryk University, Czech Republic	INTERMITTENT STREAMS – NEWLY RISING AND SIGNIFICANT PHENOMENA IN THE DANUBE BASIN
14:30	14:45	Schneider Erika Karlsruhe Institute of Technology (KIT), Germany	BLACK ALDER (ALNUS GLUTINOSA) FOREST STANDS ON THE LOWER STRETCH OF THE SFÂNȚU GHEORGHE BRANCH OF THE DANUBE DELTA
14:45	15:00	Sokolov Yevhen National Academy of Sciences, Institute of Marine Biology, Ukraine	LANDSCAPE ASSESSMENT OF THE UKRAINIAN DANUBE REGION
15:00	15:15	Bilous Olena University of Natural Resources and Life Sciences, Vienna, Austria	DISTRIBUTION PATTERNS OF ALGAE IN RIVERINE LANDSCAPES
15:15	15:30	Trichkova Teodora Academy of Sciences, Institute of Biodiversity and Ecosystem Research, Bulgaria	COLLECTING DATA ON INVASIVE ALIEN SPECIES THROUGH BIOBLITZ SURVEYS IN THE DANUBE AND BLACK SEA BASINS IN BULGARIA
15:30	15:45	Ozimec Siniša Josip Juraj Strossmayer University of Osijek, Croatia	NEW RECORDS ON DISTRIBUTION OF NATURA 2000 HABITAT TYPE 3130 ISOËTONANOJUNCETEA IN THE CROATIAN DANUBE REGION
15:45 16:05 Coffee break			
Session 3 - Status and future trends of aquatic species and habitats & Short Oral Poster presentations			Chair: Trichkova T
16:05	16:20	Dokulić Martin University of Innsbruck, Austria	PHYTOPLANKTON PRIMARY PRODUCTION IN RIVERS AND STREAMS – A REVIEW
16:20	16:35	Germ Mateja University of Ljubljana, Slovenia	THE DISTRIBUTION OF MACROPHYTES IN ALPINE LAKE BOHINJ (SLOVENIA) AND CONTENT OF SELECTED ELEMENTS IN SEDIMENT, WATER, AND MACROPHYTES
16:35	16:50	Mihaljević Melita Josip Juraj Strossmayer University of Osijek, Croatia	HALF A CENTURY OF PHYTOPLANKTON RESEARCH IN THE KOPAČKI RIT FLOODPLAIN – CONTRIBUTION TO NATURE PROTECTION AND INTERNATIONAL RECOGNITION THROUGH THE IAD
16:50	16:53	Ergović Viktorija Josip Juraj Strossmayer University of Osijek, Croatia	LIMNOMYSIS BENEDENI (CRUSTACEA: MYSIDAE) IN THE NATURE PARK KOPAČKI RIT: THE FIRST COMPREHENSIVE STUDY ON DISTRIBUTION
16:53	16:56	Hupalo Olena National Academy of Sciences, Institute of Hydrobiology, Ukraine	FISH SPECIES DIVERSITY OF THE UPPER TYSA RIVER (UKRAINE) – THREATS AND WAY OF SOLVING
16:56	16:59	Novaković Boris Ministry of Environmental Protection of the Republic of Serbia	FIRST RECENT RECORD OF PRICKLY WATERLILY (EURYALE FEROX) SALISB. (NYMPHAEACEAE) IN FRESHWATERS OF EUROPE
16:59	17:02	Costea Gabriela Leibniz-Institute für Freshwater Ecology and Inland Fisheries (IGB), Germany	INTERGENERATIONAL LEARNING AS A TOOL FOR TRAINING NATURE GUIDES IN THE LOWER DANUBE
17:02	17:05	Deže Denis Josip Juraj Strossmayer University of Osijek, Croatia	MICROALGAL CULTIVATION ON DIFFERENT DIGESTATE CONCENTRATIONS FOR BIOGAS PRODUCTION
17:05	17:08	Đuknić Jelena University of Belgrade, Serbia	MACROINVERTEBRATE FAUNA ALONG THE SERBIAN STRETCH OF THE DANUBE RIVER
17:08	17:11	Subotić Srđan University of Belgrade, Serbia	COMPARATIVE EVALUATION OF LIVER ENZYMES ACTIVITIES IN VIMBA BREAM AND COMMON NASE LIVING UNDER THE SAME ECOTOXICOLOGICAL CONDITIONS
17:11	17:14	Manturova Oksana National Academy of Sciences, Institute of Hydrobiology, Ukraine	CASES OF MASS VEGETATION OF DIDYMOSPHEMIA GEMINATA IN UKRAINIAN PART OF THE TYSA RIVER BASIN
17:14	17:17	Trichkova Teodora Academy of Sciences, Institute of Biodiversity and Ecosystem Research, Bulgaria	FIRST REPORT ON NATURAL REPRODUCTION OF RAINBOW TROUT ONCORHYNCHUS MYKISS IN BULGARIA BASED ON DNA ANALYSIS OF REDD MATERIAL FROM THE OGOSTA RIVER
17:17	17:20	Vidinova Yanka Academy of Sciences, Institute of Biodiversity and Ecosystem Research, Bulgaria	ASSESSMENT OF THE MACROINVERTEBRATE INVASION IN WATER BODIES OF THE DANUBE RIVER BASIN, BULGARIA
17:20	17:23	Nikolić Dušan University of Belgrade, Serbia	LENGTH-WEIGHT RELATIONSHIP AND CONDITION FACTOR OF THE WHITE BREAM (Blicca bjoerkna) IN THE DANUBE RIVER NEAR BELGRADE (1168-1170 RKM)
17:23	17:26	Subotić Srđan University of Belgrade, Serbia	A PRELIMINARY STUDY ON SEASONAL CHANGES OF FISH DIVERSITY IN COMMERCIAL CATCHES IN THE RIVER DANUBE NEAR BELGRADE (1162–1163 RKM)
17:29	17:32	Marinets A National Academy of Sciences, Institute of Marine Biology, Ukraine	MORPHOFUNCTIONAL INDICATORS OF PHYTOFOULING OF NAVIGATION CONSTRUCTION IN THE UKRAINIAN PART OF THE DANUBE DELTA
17:32 18:15 Poster Session Day 2			
19:30 23:00 Conference Dinner			

Preliminary PROGRAM DAY 4, February, 9 Thursday					
09:00	10:20	Opening Session Management and Restoration			Chair: Haidvogel G
09:00	09:40	Edith Hödl	ICPDR, Vienna, Austria	THE DANUBE RIVER BASIN MANAGEMENT PLAN: MANAGING PRESENT AND FUTURE ENVIRONMENTAL CHALLENGES TOWARDS ECOSYSTEM RESTORATION IN THE DANUBERIVER BASIN	Keynote-oral
09:40	10:00	Hein Thomas	University of Natural Resources and Life Sciences, Vienna, Austria	HOW CAN THE META-ECOSYSTEM APPROACH IMPROVE THE MANAGEMENT OF LARGE RIVER NETWORKS?	oral
10:00	10:20	Bloesch Jürg	EAWAG, Switzerland	INTEGRATED WATER MANAGEMENT: LINKING THE DANUBE RIVER WITH THE BLACK SEA	oral
10:20	10:45	Coffee break			
10:45	12:00	Session 1 - The Human Dimension – rivers as socio-ecological systems			Chair: Natho S
10:45	11:00	Kutzenberger Harald	TBK Office for Ecology and Landscape Planning, Austria	DANUBE LANDSCAPES – HISTORY, DIVERSITY, CONFLICTS, IDENTITY, BUT NO LOBBY!	oral
11:00	11:15	Mousazadeh Hossein	Eötvös Loránd University, Department of Regional Science, Budapest, Hungary	RIVER AND WELL-BEING: A PERMA CONCEPTUALIZATION ON URBAN DWELLERS PERSPECTIVE	oral
11:15	11:30	Stammel Barbara	Catholic University of Eichstätt-Ingolstadt, Germany	INTEGRATIVE FLOODPLAIN MANAGEMENT BASED ON ECOSYSTEM SERVICES AND ITS POTENTIAL TO IMPROVE WATER QUALITY - THE IDES PROJECT	oral
11:30	11:45	Rotaru Sabin	National Institute of Marine Geology and Geo-Ecology, Romania	ANNUAL RIVERBED CHANGES IN THE LOWER DANUBE: HUMAN IMPACT VERSUS MORPHODYNAMIC FEEDBACKS	oral
11:45	12:00	Tschikof Martin	University of Natural Resources and Life Sciences, Vienna, Austria	LARGE-SCALE MULTIFUNCTIONALITY ASSESSMENTS IN DANUBE FLOODPLAINS USING ECOSYSTEM SERVICES	oral
12:00	13:15	Lunch break			
13:15	15:15	Session 2 - Floodplain ecology and restoration – constraints and perspectives			Chair: Nichersu J
13:15	13:30	Teubner Katrin	University Vienna, Austria	MACROPHYTE HABITAT ARCHITECTURE AND LAKE RESTORATION: PHOTIC DEMAND FOR SUSTAINED MACROPHYTE DEVELOPMENT	oral
13:30	13:45	Martyniuk M	National Academy of Sciences, Institute of Marine Biology, Ukraine	IDENTIFICATION OF AREAS WITH POTENTIAL SIGNIFICANT FLOOD RISK IN THE RENI AREA IN THE LOWER REACHES OF THE DANUBE RIVER	oral
13:45	14:00	Mihaljević Melita	Josip Juraj Strossmayer University of Osijek, Croatia	HALF A CENTURY OF PHYTOPLANKTON RESEARCH IN THE KOPAČKI RIT FLOODPLAIN –CONTRIBUTION TO NATURE PROTECTION AND INTERNATIONAL RECOGNITION THROUGH THE IAD	oral
14:00	14:15	Seliger Carina	University of Natural Resources and Life Sciences Vienna, Austria	RIPARIAN ZONES - A KEY FACTOR IN PURSUING JOINT CONSERVATION EFFORTS FOR TERRESTRIAL AND FRESHWATER ECOSYSTEMS	oral
14:15	14:30	Čerba Dubravka	Josip Juraj Strossmayer University of Osijek, Croatia	SHALLOW WATER BODIES IN A DANUBE FLOODPLAIN, AN IMPORTANT HABITAT FOR CHIRONOMIDAE (DIPTERA) AND OTHER AQUATIC MACROINVERTEBRATES	oral
14:30	14:45	Cvijanović Dušanka	University of Novi Sad, Serbia	CONSERVATION ASSESSMENT OF AQUATIC HABITATS IN THE TEMPERATE WETLAND MOSAICS USING UAV PHOTOGRAMMETRY (MIDDLE DANUBE)	oral
14:45	15:15	Coffee break			
15:15	16:48	Session 3 - Integrated water management – from environmental monitoring to sustainable solutions & Short Oral Poster presentations			Chair: Seliger C
15:15	15:30	Nichersu Iulian	Danube Delta National Institute for Research and Development, Romania	ECOLOGICAL RESIZING THROUGH URBAN AND RURAL ACTIONS & DIALOGUES FOR GHG MITIGATION IN THE LOWER DANUBE FLOODPLAIN & DANUBE DELTA - EDAPHIC-BLOOM DANUBE	oral
15:30	15:45	Pöppel Ronald	University of Vienna, Austria	MANAGING WATER AND SEDIMENT (DIS)CONNECTIVITY IN FLUVIAL SYSTEMS: SOME PRINCIPLES AND APPLICATIONS	oral
15:45	16:00	Ullmann Veronika	Catholic University of Eichstätt-Ingolstadt, Germany	LONG-TERM MONITORING OF AQUATIC AND RIPARIAN VEGETATION ALONG A BYPASS WATERCOURSE IN A FLOODPLAIN FOREST BETWEEN NEUBURG AND INGOLSTADT (BAVARIA/GERMANY)	oral
16:00	16:15	Neuburg Jakob	University of Natural Resources and Life Sciences Vienna, Austria	ESTIMATIONS OF STERLET POPULATIONS BASED ON MONITORING DATA IN THE AUSTRIAN DANUBE	oral
16:15	16:30	Kowal Johannes	University of Natural Resources and Life Sciences, Vienna, Austria	EFFECTS OF CHANGES IN LONGITUDINAL CONNECTIVITY ON POTAMODROMOUS FISH IN THE UPPER DANUBE CATCHMENT	oral
16:30	16:33	Natho Stephanie	University of Potsdam, Germany	MODELLING NUTRIENT RETENTION UNDER CONSIDERATION OF CURRENT DISCHARGE AND INUNDATION IN THE GERMAN DANUBE	short oral/Poster P4-1
16:33	16:36	Novaković Boris	Ministry of Environmental Protection of the Republic of Serbia	EFFECTS OF PESTICIDES TO BENTHIC INVERTEBRATE COMMUNITY IN THE SERBIAN DANUBE STRETCH USING THE SPEAR INDEX	short oral/Poster P4-2
16:36	16:39	Nezbrytska Inna	National Academy of Sciences, Institute of Hydrobiology, Ukraine	ALTERATIONS IN THE ALGAL DIVERSITY TO BE USED AS AN INDICATOR OF THE FORTY-YEAR TRANSFORMATION OF THE HYDROLOGICAL RÉGIME OF THE SASYK ESTUARY TO THE RESERVOIR (THE DANUBE RIVER BASIN)	short oral/Poster P4-3
16:39	16:42	Novković Maja	University of Novi Sad, Serbia	FLY, FLY BIRDIE: TOWARDS A UAV ASSISTED MONITORING OF AQUATIC MACROPHYTES WITHIN LARGE RIVERS	short oral/Poster P4-4
16:42	17:15	Poster Session Day 4			
17:15	17:45	Closing Session			

LENGTH-WEIGHT RELATIONSHIP AND CONDITION FACTOR OF THE WHITE BREAM (*Blicca bjoerkna*) IN THE DANUBE RIVER NEAR BELGRADE (1168-1170 RKM)

Dušan Nikolić, Stefan Skorić, Marija Smederevac-Lalić

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White bream is an important species in commercial and sport fishing that is caught in nets throughout the year. The analyzed samples of white bream ($n = 377$) came from commercial catches carried out between December 2014 and May 2015 at two locations in the Danube near Belgrade, Jojkića Dunavac (JD) – an armlet of the Danube, with slow water flow and Veliko ratno ostrvo (VRO) – the main channel of the Danube, with fast water flow. Total body length (TL, cm) and body weight (BW, g) of each fish were measured, and Fulton's condition factor ($K = W/L^3 \times 100$) was calculated.

Average TL of the fish samples from the JD and VRO were 23.1 ± 1.7 and 23.8 ± 2.4 , respectively, and average BW were 164.4 ± 42.2 and 201.0 ± 73.0 , respectively. In general, fish from VRO were in better condition ($K = 1.44 \pm 0.16$) compared to sample from JD ($K = 1.31 \pm 0.11$). Individuals in the sample from JD had a negative allometric growth ($a = -1.79$, $b = 2.93$, $r^2 = 0.85$), while those from VRO have a positive allometric growth ($a = -2.22$, $b = 3.28$, $r^2 = 0.89$). Based on the results of this study, positive allometric growth ($b > 3$) and fish condition indicated that individuals from VRO increased body mass more than body length. The source of food, its availability, and better habitat conditions at VRO could be the reason for the differences in the growth and condition of the fish from the investigated locations.