

# Monday, 19 September 2022

Time / Room	AudiMax				
10:30	Welcome & Opening				
	Audimax	Room A701	Room A702	Room A703	Room A704
			<p><b>S2</b></p> <p><b>Aquatic Symbioses – different forms of interactions, context-dependence and consequences for population and community dynamics</b></p> <p>Moderation: <i>Stefanie Moorthi</i></p>	<p><b>S6</b></p> <p><b>Coupling biofilm biodiversity and biogeochemistry with habitat heterogeneity across spatio-temporal scales</b></p> <p>Moderation: <i>Anna Oprei, Ute Risse-Buhl</i></p>	
11:00			<p>About the symbiotic nature of <i>Paramecium bursaria</i> and <i>Choricystis</i> – the role of the symbiont</p> <p><i>Felicitas E. Flemming<sup>1</sup>; Birgit Süssenbach<sup>1</sup>; Thomas Pröschold<sup>2</sup>; Martina Schrällhammer<sup>1</sup> (<sup>1</sup>University of Freiburg; <sup>2</sup>University of Innsbruck)</i></p>	<p>Life in a tumbling world - Microbial community structure and function in migrating streambeds</p> <p><i>Ute Risse-Buhl<sup>1</sup>; Anna Oprei<sup>2</sup>; Jose Schreckinger<sup>3</sup>; Michael Mutz<sup>2</sup> (<sup>1</sup>TU Kaiserslautern; <sup>2</sup>BTU Cottbus-Senftenberg; <sup>3</sup>Universität Koblenz-Landau)</i></p>	
11:20			<p>Multiple keys to one lock: the role of molecular exaptation in novel intracellular endosymbiosis</p> <p><i>Joseph Kelly; Manuela Spagnuolo; Lutz Becks (University of Konstanz)</i></p>	<p>Variable ripple migration velocity shapes heterotrophic community structure but does not influence community metabolism</p> <p><i>Anna Oprei<sup>1</sup>; Insa Franzmann<sup>1</sup>; Hayoung Lee<sup>1</sup>; José Schreckinger<sup>1</sup>; Michael Mutz<sup>1</sup>; Ute Risse-Buhl<sup>2</sup> (<sup>1</sup>BTU Cottbus - Senftenberg; <sup>2</sup>University of Koblenz-Landau)</i></p>	

11:40			<p>Context-dependent costs and benefits of endosymbiotic interactions in a ciliate–algae system</p> <p><i>Elena Horas, Sarah M. Metzger, Barbara Platzer, Joseph B. Kelly, Lutz Becks (University of Konstanz)</i></p>	<p>The microbial community composition of corrosive biofilms in German waterways</p> <p><i>Annika Fiskal<sup>1</sup>; Lipi Raghunatha Reddy<sup>1</sup>; Andreas Schüttler<sup>1</sup>; Sven-Erik Wulf<sup>2</sup>; Jutta Meier<sup>3</sup>; Helmut Fischer<sup>1</sup> (<sup>1</sup>BfG; <sup>2</sup>Bundesanstalt für Wasserbau; <sup>3</sup>University Koblenz-Landau)</i></p>	
12:00	Lunch break				
	AudiMax				
13:30	<p><b>Keynote session: Global Change and Biodiversity</b></p> <p><i>Sonja Jähnig (Humboldt Universität Berlin), Núria Bonada (University of Barcelona), Mario Sommerhäuser (Emschergenossenschaft), Daniel Hering (Universität Duisburg-Essen).</i></p> <p>Moderation: Manfred Walser</p>				
15:30	Coffee break				
	Audimax	Room A701	Room A702	Room A703	Room A704
	<p><b>S12</b></p> <p><b>Flexibility matters: Interplay between trait diversity and eco-evolutionary dynamics using aquatic communities as model systems</b></p> <p>Moderation: Ursula Gaedke, Ellen van Velzen</p>	<p><b>A6</b></p> <p><b>Nebiota und invasive Arten</b></p> <p>Moderation: Alexander Brinker</p>	<p><b>S11</b></p> <p><b>Blue Nature-based solutions: co-benefits for nature and people</b></p> <p>Moderation: Aude Zingraff-Hamed</p>	<p><b>A4</b></p> <p><b>Diversität und Ökologie aquatischer Lebensgemeinschaften</b></p> <p>Moderation: David Schleheck</p>	<p><b>S13</b></p> <p><b>Imaging Plankton</b></p> <p>Moderation: Lutz Becks</p>
16:00	<p>Temporal changes in the roles of species sorting and diversification determine community dynamics</p> <p><i>Julius Hoffmann<sup>1</sup>; Shane Hogle<sup>2</sup>; Teppo Hiltunen<sup>2</sup>; Lutz Becks<sup>1</sup> (<sup>1</sup>Universität Konstanz; <sup>2</sup>University of Turku, Finland)</i></p>	<p>Verbreitung von Neozoen am Niederrhein – Globale Veränderungen, Klimawandel und Wasserqualität im Spiegel regionaler Datenreihen</p> <p><i>Carmen Gallas<sup>1</sup>; Vanessa Meinert<sup>2</sup>; Daniela Lud<sup>2</sup> (<sup>1</sup>LINER; <sup>2</sup>Hochschule Rhein-Waal)</i></p>	<p>Decision-making in urban hydroscape management: comparing the degrees of project sophistication and citizen participation</p> <p><i>Karl M. Wantzen<sup>1</sup>; Yixin Cao<sup>2</sup>; Alvin Vazhayil<sup>2</sup>; Raita M. Bala<sup>2</sup>; Chaozhong Tan<sup>2</sup> (<sup>1</sup>University of Tours, University of Strasbourg; <sup>2</sup>CNRS UMR CITERES)</i></p>	<p>11 years of post-restoration studies: community composition changes in streams in a forested landscape</p> <p><i>Armin Lorenz (University of Duisburg-Essen)</i></p>	<p>The use of machine learning in the classification of algal phenotypes in mixed populations</p> <p><i>Ruben Hermann; Lutz Becks (Universität Konstanz)</i></p>

16:20	<p><b>A shift from induced to evolutionary defense determines the dynamics of a microbial predator-prey system</b>  <i>Magali de la Cruz Barron<sup>1</sup>; Ellen van Velzen<sup>2</sup>; Uli Klümper<sup>1</sup>; Markus Weitere<sup>3</sup>; Thomas U. Berendonk<sup>1</sup>; David Kneis<sup>1</sup> (TU Dresden; <sup>2</sup>University of Potsdam; <sup>3</sup>UFZ)</i></p>	<p><b>Massnahmen gegen die Einschleppung von Neobiota am Hallwilersee: Reinigungs- und Kontrollpflicht für Boote</b>  <i>Lukas De Ventura<sup>1</sup>; Sylvie Flämig<sup>2</sup> (Kanton Aargau; <sup>2</sup>Mensch   Umwelt   Transfer)</i></p>	<p><b>Societal co-benefits of river restoration: what social media can tell us</b>  <i>Nina N. Kaiser<sup>1</sup>; Nadine Gerner<sup>2</sup>; Christian K. Feld<sup>3</sup>; Stefan Stoll<sup>1</sup> (Hochschule Trier - Trier University of Applied Sciences; <sup>2</sup>Emschergenossenschaft; <sup>3</sup>Universität Duisburg-Essen)</i></p>	<p><b>Looking closer at recolonization processes: Habitat development and species arrival drive succession of the benthic invertebrate community following stream restoration</b>  <i>Svenja Pfeifer; Daniel Hering; Armin Lorenz (University of Duisburg-Essen)</i></p>	<p><b>Digital diatom analysis – Large scale imaging, semi-automated morphometry, manual annotation and deep learning</b>  <i>Michael Kloster; Andrea Burfeid Castellanos; Bánk Beszteri (Universität Duisburg-Essen)</i></p>
16.40	<p><b>Competition-driven divergence in heterogeneous environment</b>  <i>Zhijie Zhang; Lutz Becks (University of Konstanz)</i></p>	<p><b>The East Asian bryozoan <i>Hislopia proluxa</i> in the Upper Rhine River near Karlsruhe – first records for Europe</b>  <i>Karsten Grabow<sup>1</sup>; Gerhard Schoolman<sup>2</sup>; Andreas Martens<sup>1</sup> (PH Karlsruhe; <sup>2</sup>Universität zu Köln)</i></p>	<p><b>ESS study on dam removal: results of an ESS analysis on the river Lahn</b>  <i>Stephan von Keitz<sup>1</sup>; Dietmar Mehl<sup>2</sup>; Christian Albert<sup>3</sup>; Alexandra Dehnhardt<sup>4</sup> (Hessisches Umweltministerium; <sup>2</sup>Institut Biotata; <sup>3</sup>Ruhr Uni Bochum; <sup>4</sup>ioew)</i></p>	<p><b>The impacts of phenotypic evolution for metacommunity diversity and structure</b>  <i>Jelena Pantel (University of Duisburg-Essen)</i></p>	<p><b>Automated microscopy and AI-based image analysis of algae and phytoplankton using Molecular Devices high content solutions</b>  <i>Christian Holz (Scientist, Molecular Devices)</i></p>
17:00	<p><b>Revealing phytoplankton population and selection dynamics to assess mechanisms of adaptation towards climate change</b>  <i>Klara Wolf<sup>1</sup>; Clara Hoppe<sup>2</sup>; Björn Rost<sup>2</sup>; Florian Leese; Uwe John (Hamburg Universität; <sup>2</sup>AWI)</i></p>	<p><b>Quagga mussel invasion in Lake Constance: implications for the fish community</b>  <i>Jan Baer; Alexander Brinker (Fischereiforschungsstelle Baden-Württemberg)</i></p>	<p><b>Mindscapes and Landscapes: Africa's New Urban Building Culture in A Changing Climate</b>  <i>Kirk B. Enu<sup>1</sup>; Aude Zingraff-Hamed<sup>1</sup>; Divine O. Appiah<sup>2</sup>; Stephan Pauleit<sup>1</sup> (Technical University of Munich, Germany, <sup>2</sup> University of Science and Technology, Ghana)</i></p>	<p><b>Habitats and macrozoobenthos in beaver-influenced low mountain streams with special focus on beaver dams</b>  <i>Sara Schloemer (University of Duisburg-Essen)</i></p>	<p><b>Computer Vision meets Limnology: How convolutional neural networks can help tracking plankton dynamics</b>  <i>Ole Johannsen (University of Konstanz)</i></p>
17:20	<p><b>Indirect evolutionary facilitation in a predator-prey system</b>  <i>Tom Réveillon<sup>1</sup>; Lutz Becks<sup>1</sup>; Ursula Gaedke<sup>2</sup> (University of Konstanz, <sup>2</sup>University of Potsdam)</i></p>	<p><b>Response of the pelagic food web to stickleback habitat expansion in Lake Constance</b>  <i>Dietmar Straille<sup>1</sup>; Pia Mahler<sup>1</sup>; Sabine Schmidt-Halewicz<sup>2</sup>; Angelika Seifried<sup>1</sup>; Karl-Otto Rothhaupt<sup>1</sup> (Universität Konstanz; <sup>2</sup>LimSa Gewässerbüro)</i></p>		<p><b>Life in beaver dams - A study focusing on macroinvertebrates in beaver dams in a lowland region in Germany</b>  <i>Hannah-Marie Stappert; Armin Lorenz (University of Duisburg-Essen)</i></p>	
18:00	<b>Get together</b>				

## Tuesday, 20 September 2022

Time / Room	AudiMax				
9:00	<b>Keynote session: Invasive Species</b> <i>Kathrin Theissing (LOEWE Centre), Alexander Brinker (Fischereiforschungsstelle Baden-Württemberg), Mathias Kummerlen (Bundesamt für Naturschutz), Piet Spaak (EAWAG, Dübendorf). Moderation: Manfred Walser</i>				
11.00	Coffee break				
	Audimax	Room A701	Room A702	Room A703	Room A704
	<b>S12</b> <b>Flexibility matters: Interplay between trait diversity and eco-evolutionary dynamics using aquatic communities as model systems</b> Moderation: Ursula Gaedke, Ellen van Velzen	<b>A3</b> <b>Grundwasser und Quellen</b> Moderation: <i>Stefanie von Fumetti</i>	<b>A4</b> <b>Diversität und Ökologie aquatischer Lebensgemeinschaften</b> Moderation: <i>Karla Martínez Cruz</i>	<b>S9</b> <b>Auen</b> Moderation: <i>Kathrin Januschke, Mathias Scholz, Barbara Stammel</i>	
11:30	Predicting phytoplankton community composition under top-down control based on position in trait space <i>Phuong-Anh Vu; Lutz Becks (University of Konstanz)</i>	Spring biodiversity monitoring in protected areas: Molecular tools as a non-invasive supplement to traditional approaches <i>Lucas Blattner; Stefanie Von Fumetti (Universität Basel)</i>	Investigations concerning a population of <i>Chondrostoma nasus</i> in the river Nidda, Hesse <i>Louis Sollinger</i>	Effects of lateral floodplain connectivity on biodiversity: Which environmental factors related to connectivity could characterize biodiversity in the River Elbe floodplain? <i>Arnd Weber<sup>1</sup>; Mandy Hoyer<sup>1</sup>; Daniel Schwandt<sup>1</sup>; Gerd Hübner<sup>1</sup>; Christian Hecht<sup>2</sup>; Georg Rieland<sup>2</sup>; Ute-Susanne Kaden<sup>2</sup>; Andrea Rumm<sup>3</sup>; Franziska Struller<sup>4</sup>; Kathrin Januschke<sup>4</sup>; Daniel Hering<sup>4</sup>; Peter Horschler<sup>1</sup> (<sup>1</sup>BfG; <sup>2</sup>UFZ; <sup>3</sup>ÖKON; <sup>4</sup>University of Duisburg-Essen)</i>	
11:50	Individual trait and fitness variation in a phytoplankton population across eutrophic and re-oligotrophic periods <i>Richard Lambrecht; Lutz Becks (Universität Konstanz)</i>	Etablierung eines Klimawandelmonitorings an Quellen in den bayerischen Mittelgebirgen <i>Sebastian Vogel (Bayerisches Landesamt für Umwelt)</i>	Does personality have an effect on bait selectivity of Northern Pike ( <i>Esox lucius</i> )? <i>Jorrit Lucas<sup>1</sup>; Albert Ros; Jürgen Geist<sup>2</sup>; Alexander Brinker<sup>1</sup> (<sup>1</sup>FFS,</i>	Effects of lateral floodplain connectivity on biodiversity: high connectivity is associated with near-natural communities of flora and fauna in the floodplain <i>Franziska Struller<sup>1</sup>; Christian Hecht<sup>2</sup>; Daniel Hering<sup>1</sup>; Mandy Hoyer<sup>3</sup>; Kathrin Januschke<sup>1</sup>;</i>	

			LAZBW; <sup>2</sup> TUM School of Life Sciences)	Georg Rieland <sup>2</sup> ; Andrea Rumm <sup>4</sup> ; Mathias Scholz <sup>2</sup> ; Arnd Weber <sup>3</sup> ; Peter Horchler <sup>3</sup> ( <sup>1</sup> Universität Duisburg-Essen; <sup>2</sup> UFZ; <sup>3</sup> BfG; <sup>4</sup> ÖKON)	
12:10	Trait and compositional succession in natural phytoplankton communities <i>Domiziana Cristini; Lutz Becks (Universität Konstanz)</i>	Quellschutz in der Praxis – Aktivitäten des LBV zu Optimierung und Erhalt von Quellstandorten in Bayern <i>Eva Schubert; Ralf Hotzy; Malvina Hoppe (LBV)</i>	Nachweis natürlicher Reproduktion der stark gefährdeten Flussperlmuschel im sächsischen Vogtland – Erfolg von 20 Jahren Nachzuchtprogramm <i>Felix Grunicke; Christoph Köbsch; Alexander Erdbeer; Steffen Kunze; Luisa Kauert; Thea Hose; Thomas Berendonk (TU Dresden)</i>	Influence of lateral connectivity on floodplain vegetation along the Elbe river <i>Christian Hecht<sup>1</sup>; Daniel Hering<sup>2</sup>; Mandy Hoyer<sup>3</sup>; Kathrin Januschke<sup>2</sup>; Ute-Susanne Kaden<sup>1</sup>; Georg Rieland<sup>1</sup>; Andrea Rumm<sup>4</sup>; Mathias Scholz<sup>1</sup>; Franziska Struller<sup>2</sup>; Arnd Weber<sup>3</sup>; Peter Horchler<sup>3</sup> (<sup>1</sup>; <sup>2</sup>Universität Duisburg-Essen; <sup>3</sup>BfG; <sup>4</sup>ÖKON)</i>	
12:30	Lunch break				
	Audimax	Room A701	Room A702	Room A703	Room A704
	<b>S12</b> Flexibility matters: Interplay between trait diversity and eco-evolutionary dynamics using aquatic communities as model systems Moderation: Ursula Gaedke, Ellen van Velzen	<b>A3</b> Grundwasser und Quellen Moderation: <i>Eva Schubert</i>	<b>A4</b> Diversität und Ökologie aquatischer Lebensgemeinschaften Moderation: <i>Karla Martínez Cruz</i>	<b>S9</b> Auen Moderation: <i>Kathrin Januschke, Mathias Scholz, Barbara Stammel</i>	<b>A5</b> Gewässermanagement/EG-Wasserrahmenrichtlinie Moderation: <i>Christian Feld, Wolfgang Ostendorp</i>
13:50	Environmental stoichiometry mediates phytoplankton diversity effects on communities' resource use efficiency and biomass <i>Maren Striebel<sup>1</sup>; Miriam Gerhard<sup>1</sup>; Alexandra Schlenker<sup>2</sup>; Helmut Hillebrand<sup>1</sup> (<sup>1</sup>ICBM, Universität Oldenburg; <sup>2</sup>UFZ)</i>	Approaches to evaluate spring habitats and communities for nature conservation <i>Daniel Kury<sup>1</sup>; Pascal Stucki<sup>2</sup>; Emmanuel Contesse<sup>3</sup>; Christian Imesch<sup>4</sup>; Alberto Conelli<sup>5</sup> (<sup>1</sup>Life Science AG; <sup>2</sup>Aquabug; <sup>3</sup>NATURA; <sup>4</sup>UNA; <sup>5</sup>OIKOS)</i>	Seasonality of parasitic and saprotrophic zoospore fungi: linking sequence data to ecological traits <i>Silke Van den Wyngaert<sup>1</sup>; Lars Ganzert<sup>2</sup>; Keilor Rojas-Jimenez<sup>3</sup>; Maiko Kagami<sup>4</sup>; Christian Wurzbacher<sup>5</sup>; Hans-Peter Grossart<sup>6</sup> (<sup>1</sup>Universität Turku; <sup>2</sup>The Arctic University of Norway; <sup>3</sup>Universität de Costa</i>	Ongoing gene flow in riparian plant metapopulation at the catchment scale <i>Sabine Fink<sup>1</sup>; Gregory Egger; Martin Schletterer; Christoph Scheidegger (<sup>1</sup>Eidg. Forschungsanstalt für Wald, Schnee und Landschaft WSL)</i>	DECIDE - Entwicklung und Evaluierung eines ökotoxikologischen, wasserrahmenrichtlinienkonformen Bewertungssystems für Fließgewässer <i>Sebastian Heß<sup>1</sup>; Thomas Bing<sup>2</sup>; Peter Ebke<sup>2</sup>; Delia Hof<sup>3</sup>; Matthias Oetken<sup>3</sup>; Andrea Sundermann<sup>1</sup> (Senckenberg Gesellschaft für Naturforschung (SGN); <sup>2</sup>Mesocosm GmbH - Institut für</i>

			<i>Rica</i> ; <sup>4</sup> <i>Yokohama National University</i> ; <sup>5</sup> <i>TUM</i> ; <sup>6</sup> <i>IGB</i> )		<i>Gewässerschutz</i> ; <sup>3</sup> <i>Goethe-Universität Frankfurt</i> )
14:10	<p>Effects of multidimensional light fluctuation on phytoplankton growth and community structure</p> <p><i>Brian Schulze</i><sup>1</sup>; <i>Nils Hintz</i><sup>2</sup>; <i>Maren Striebel</i><sup>2</sup>; <i>Alexander Wacker</i><sup>1</sup> (<sup>1</sup><i>University of Greifswald</i>; <sup>2</sup><i>University of Oldenburg, ICBM</i>)</p>	<p>Biodiversität, Nutzung und Schutz von Quellen im Biosphärengebiet Schwarzwald</p> <p><i>Stefanie von Fumetti</i><sup>1</sup>; <i>Daniel Küry</i><sup>2</sup>; <i>Christoph Huber</i><sup>3</sup>; <i>Karolin Gums</i><sup>3</sup> (<sup>1</sup><i>Universität Basel</i>; <sup>2</sup><i>Life Science AG</i>; <sup>3</sup><i>Biosphärengebiet Schwarzwald</i>)</p>	<p>Submersible Microalgae Sensor with Activity Measurement</p> <p><i>Detlev Lohse</i> (<i>bbe Moldaenke GmbH</i>)</p>	<p>Benefits of multifunctionality in Floodplain Restoration: An ecosystem service approach to assess the Case Study “Lebendige Luppe” - Restoration Project in Leipzig’s Urban Floodplain Forest (Elbe Catchment/Germany)</p> <p><i>Mathias Scholz, et al.</i> (<i>UFZ</i>)</p>	<p>Herleitung des Maßnahmenbedarfs zur Schaffung funktionsfähiger Lebensräume für die Fischfauna in den Fließgewässern Baden-Württembergs</p> <p><i>Andreas Becker</i> (<i>Andreas Becker - HYDRA Wiesloch</i>)</p>
14:30	<p>Phenotypic Plasticity and Community Functions</p> <p><i>Sabine Flöder</i><sup>1</sup>; <i>Birte Matthiessen</i><sup>2</sup> (<sup>1</sup><i>ICBM, Universität Oldenburg</i>; <sup>2</sup><i>GEOMAR</i>)</p>		<p>Modernes Lehren und Lernen in der Limnologie: Beispiel einer digitalen Lehreinheit zur Biodiversität der Protisten</p> <p><i>Anja Scherwaß</i>; <i>Jana Müller</i> (<i>Universität zu Köln</i>)</p>		<p>Predation of cormorants (<i>Phalacrocorax carbo sinensis</i>) on wintering fish in River Nister</p> <p><i>Daniela Mewes</i><sup>1</sup>; <i>Michael Götten</i><sup>1</sup>; <i>Carola Winkelmann</i><sup>1</sup>; <i>Dirk Hübner</i><sup>2</sup> (<sup>1</sup><i>Universität Koblenz-Landau</i>; <sup>2</sup><i>BfS Marburg</i>)</p>
14:50	<p>Coffee break &amp; <b>Poster session level K7</b></p>				
16:30	<p>Workshop: Urbane Stillgewässer erhalten durch biologische Gewässersanierung - Beispiel: Möglichkeiten und Grenzen der flächen-deckenden Bodenbelüftung (Cordula Jäger)</p>	<p>Workshop „Limnologie der Wasserkraft“</p>	<p>Arbeitskreis Quellen und Grundwasser</p>	<p>Meeting DynaTrait</p>	<p>Arbeitskreis Selbständige Limnologen</p>
17:00	<p><b>WASNE@DGL (Meeting Point: registration desk)</b></p>				
18:15	<p><b>Mitgliederversammlung / General Assembly (Audimax)</b></p>				

## Wednesday, 21 September 2022

Time / Room	AudiMax				
09:00	Schwoerbel-Benndorf Nachwuchspreis der DGL				
11:15	Coffee break				
	Audimax	Room A701	Room A702	Room A703	Room A704
	<b>S12</b> <b>Flexibility matters: Interplay between trait diversity and eco-evolutionary dynamics using aquatic communities as model systems</b>  Moderation: Ursula Gaedke, Ellen van Velzen	<b>S3</b> <b>Responses of aquatic ecosystems to anthropogenic stressors</b>  Moderation: Phuong-Anh Vu, Anton Pranger	<b>A4</b> <b>Diversität und Ökologie aquatischer Lebensgemeinschaften</b>  Moderation: Jelena Pantel	<b>S1</b> <b>Aquatic viruses</b>  Moderation: Ana del Arco	<b>A5</b> <b>Gewässermanagement/EG-Wasserrahmenrichtlinie</b>  Moderation: Wolfgang Ostendorp, Christian Feld
11:40	Daphnia pulex populations: Influence of anthropogenic stressors and predation pressure on trait variation and genotypic variability  <i>Christian Laumen<sup>1</sup>; Ralph Tollrian<sup>1</sup>; Kathrin P. Lampert<sup>2</sup>; Linda Weiss<sup>1</sup></i> ( <sup>1</sup> Ruhr- University Bochum; <sup>2</sup> University of Cologne)  <b>TALK CANCELLED</b>	Spatial heterogeneity in Lake Constance: Changing in underwater lakescape shaped by submerged macrophyte composition in the last decades  <i>Gunnar Franke<sup>1</sup>; Sophia Deinhart</i> ( <sup>1</sup> Universität Hohenheim)	Man-made pond networks as a restoration measure for wetland biodiversity  <i>Karina van der Zon<sup>1</sup>; Corinne Grac<sup>2</sup>; Jean-Yves Georges<sup>3</sup>; Johannes Meka<sup>4</sup>; Mihails Pupins<sup>5</sup>; Arturs Skute<sup>5</sup>; Kathrin Theissinger<sup>4</sup>; Isabelle Combroux<sup>1</sup></i> ( <sup>1</sup> Université de Strasbourg; <sup>2</sup> Ecole Nationale du Génie de l'Eau et de l'Environnement; <sup>3</sup> Université de Strasbourg; <sup>4</sup> LOEWE Centre for Translational Biodiversity Genomics, Senckenberg Biodiversity and Climate Research)	Ecology, death (by lysis) and evolutionary history – Viral infections in phytoplankton communities and <i>Ostreococcus</i> sp. from the Western Baltic Sea  <i>Luisa Listmann<sup>1</sup>; Elisa Schaum</i> ( <sup>1</sup> Institute for Marine Ecosystem and Fisheries Science)	Diagnose und Management multipler Belastungen von Fließgewässern mit Bayesischen Modellen  <i>Christian K. Feld<sup>1</sup>; Marcin Penk<sup>2</sup>; Michael Bruen<sup>3</sup>; Mary Kelly-Quinn<sup>3</sup>; Daniel Hering<sup>1</sup>; Katharina Rettig<sup>1</sup></i> ( <sup>1</sup> University Duisburg-Essen; <sup>2</sup> Trinity College Dublin; <sup>3</sup> University College Dublin)
12:00	Unintended consequences: how biomass-trait feedbacks can limit the benefits of phenotypic plasticity  <i>Ellen van Velzen; Nadja Kath; Ursula Gaedke</i> (University of Potsdam)	Sensitivity of Invasive round goby and native European perch to anthropogenic stressors  <i>Tobias Backström; Carola Winkelmann</i> (Universität Koblenz-Landau)	Long-term monitoring of a heterogeneous karstic stream: Effects of hydrological changes through time on benthic diatom communities  <i>Andrea Burfeid-Castellanos</i> (Duisburg-Essen University)	Indirect effects of abiotic conditions slow down eco-evolutionary dynamics of host and virus  <i>Johanna Roller<sup>1</sup>; Lutz Becks<sup>1</sup>; Philine Feulner<sup>2</sup>; Kai Lohbeck; Guérolé Le</i>	A monitoring strategy for the development of gravel pit lakes - adaptations of zooplankton to the occurrence of fish  <i>Lisa Heermann<sup>1</sup>; Ulrich Werneke<sup>2</sup>; Jost Borcherdig<sup>1</sup></i> ( <sup>1</sup> University of



				<i>Pennec</i> ( <sup>1</sup> Universität Konstanz; <sup>2</sup> Eawag, Switzerland)	<i>Cologne</i> ; <sup>2</sup> Nature Conservation Centre Kleve e.V.)
12:20	<p>Theoretical implications on the energetic role of parasites and its benefits for the ecosystem</p> <p><i>Patch Thongthaisong; Minoru Kasada ; Hans-Peter Grossart; Sabine Wollrab</i></p>	<p>Historical environmental DNA to track the establishment and effect of neozoa</p> <p><i>Laura Epp<sup>1</sup>; Lisa Gutbrod; Yi Wang; Anan Ibrahim<sup>2</sup>; Dr Martin Wessels<sup>3</sup></i> (<sup>1</sup>University of Konstanz; <i>Leibniz Institute for Natural Product Research and Infection Biology; <sup>3</sup>ISF, LUBW)</i></p>	<p>Stream food web restoration: The recovery trajectory from open sewers to mature urban streams</p> <p><i>Alexandra Schlenker<sup>1</sup>; Mario Brauns<sup>1</sup>; Patrick Fink<sup>1</sup>; Armin Lorenz<sup>2</sup>; Anna Tausch<sup>1</sup>; Markus Weitere<sup>1</sup></i> (<sup>1</sup>UFZ; <sup>2</sup>University of Duisburg-Essen)</p>	<p>Off-target effects in the ecology and evolution of aquatic viruses</p> <p><i>Ana del Arco<sup>1</sup>; Lutz Becks<sup>1</sup>; Matthias Fischer<sup>2</sup></i> (<sup>1</sup>University of Konstanz; <sup>2</sup>Max Planck Institute for Medical Research)</p>	<p>Von Symptomen und Ursachen - Diagnose in der Fließgewässerökologie</p> <p><i>Katharina Rettig<sup>1</sup>; Renate Semmler-Elpers<sup>2</sup>; Daniel Hering<sup>1</sup>; Christian K. Feld<sup>1</sup></i> (<sup>1</sup>Universität Duisburg-Essen; <sup>2</sup>Landesanstalt für Umwelt Baden-Württemberg (LUBW))</p>
12:40	Lunch break				
	Audimax	Room A701	Room A702	Room A703	Room A704
	<p><b>S12</b></p> <p><b>Flexibility matters: Interplay between trait diversity and eco-evolutionary dynamics using aquatic communities as model systems</b></p> <p>Moderation: Ursula Gaedke, Ellen van Velzen</p>	<p><b>S3</b></p> <p><b>Responses of aquatic ecosystems to anthropogenic stressors</b></p> <p>Moderation: Phuong-Anh Vu, Anton Pranger</p>	<p><b>S7</b></p> <p><b>DNA-basierte Erfassung von biologischen Qualitätskomponenten für Wasserwirtschaft und Naturschutz</b></p> <p>Moderation: Sascha Krenek, Julia Kleinteich, Florian Leese, Till-Hendrik Macher</p>	<p><b>S8</b></p> <p><b>Plankton ecology</b></p> <p>Moderation: Erik Sperfeld, Maria Stockenreiter</p>	<p><b>A5</b></p> <p><b>Gewässermanagement/EG-Wasserrahmenrichtlinie</b></p> <p>Moderation: Wolfgang Ostendorf , Christian Feld</p>
14:00	<p>How to model horizontal diversity in complex systems?</p> <p><i>Laurie Wojcik; Christian Guill; Toni Klauschies; Ellen van Velzen; Ursula Gaedke</i> (University of Potsdam)</p>	<p>Exposure to environmental stressors decreases the resilience of river microbial communities towards invasion by alien resistant bacteria</p> <p><i>Kenyum Bagra<sup>1</sup>; Thomas U. Berendonk<sup>2</sup>; Gargi Singh<sup>3</sup>; Uli Klümper<sup>2</sup></i> (<sup>1</sup>TU Dresden/Indian Institute of Technology Roorkee; <sup>2</sup>TU Dresden; <sup>3</sup>Indian institute of Technology Roorkee)</p>	<p>Introduction</p>	<p>Temperature and species competition drive co-limitation of light and nutrients in phytoplankton</p> <p><i>Anna Lena Heinrichs; Anika Happe; Apostolos Koussoroplis; Helmut Hillebrand; Maren Striebel</i></p>	<p>The role of benthic invertebrates in river biomanipulation – a driving force or passively benefiting?</p> <p><i>Carola Winkelmann<sup>1</sup>; Madlen Gerke<sup>2</sup>; Daniela Mewes<sup>1</sup>; Dirk Hübner<sup>3</sup>; Roman Fricke<sup>3</sup>; Susanne Worischka<sup>1</sup></i> (<sup>1</sup>Universität Koblenz-Landau; <sup>2</sup>Wasserwirtschaftsamt Ingolstadt; <sup>3</sup>BFS, Marburg)</p>



14:20	<p>Spatial distribution strategies in single-species systems – Experiments with the ciliate <i>Tetrahymena pyriformis</i></p> <p>Johannes Werner, Hartmut Arndt (University of Cologne)</p>	<p>Predicting combined stress effects</p> <p>Matthias Liess (UFZ)</p>	<p>A new tool in the toolbox: Evaluating the potential of DNA metabarcoding for monitoring macroinvertebrates and diatoms in regulatory context</p> <p>Till-Hendrik Macher<sup>1</sup>; Jens Arle<sup>2</sup>; Arne Beermann<sup>1</sup>; Jan Koschorreck<sup>2</sup>; Demetrio Mora<sup>3</sup>; Jonas Zimmermann<sup>4</sup>; Florian Leese<sup>1</sup> (<sup>1</sup>Universität Duisburg-Essen; <sup>2</sup>UBA; <sup>3</sup>BfG; <sup>4</sup>Botanischer Garten und Botanisches Museum Berlin)</p>	<p>Consequences of nitrogen and phosphorus limited autotrophs for herbivores growth: an experiment testing co-limitation theory in the plankton community context</p> <p>Andrea Redoglio; Kassandra Radtke; Erik Sperfeld (Universität Greifswald)</p>	<p>Phosphorus retention in non-acidic post mining lakes: The challenge of trophic state prediction</p> <p>David Kneis<sup>1</sup>; Thomas Petzoldt<sup>1</sup>; Jacqueline Rücker<sup>2</sup>; Brigitte Nixdorf<sup>2</sup>; Björn Grüneberg<sup>3</sup> (<sup>1</sup>TU Dresden; <sup>2</sup>BTU Cottbus-Senftenberg; <sup>3</sup>Landeslabor Berlin-Brandenburg)</p>
14:40	<p>Light fluctuations: Phytoplankton community responses in fatty acid profiles</p> <p>Alexander Wacker<sup>1</sup>; Vanessa Marzetz<sup>2</sup> (<sup>1</sup>Universität Greifswald; <sup>2</sup>Universität Potsdam/Universität Greifswald)</p>	<p>ADAPT - Towards understanding the role of evolutionary adaptation in multiple stress responses of keystone aquatic taxa</p> <p>Kamil Hupalo; Daniel Grabner; Florian Leese (University of Duisburg-Essen)</p>	<p>Assessing eDNA sampling for macroinvertebrates on species to index level</p> <p>Jeanine Brantschen<sup>1</sup>; Rosetta Blackman<sup>1</sup>; Loïc Pellissier<sup>2</sup>; Jean-Claude Walser<sup>3</sup>; Florian Altermatt<sup>1</sup> (<sup>1</sup>EAWAG &amp; University of Zurich, Switzerland; <sup>2</sup>ETHZ &amp; Swiss Federal Institute for Forest, Snow and Landscape Research WSL; <sup>3</sup>Genetic Diversity Centre (GDC), ETH Zürich, Switzerland)</p>	<p>Mysterious ciliates: seasonally recurrent and yet hard to predict</p> <p>Ursula Gaedke<sup>1</sup>; Nadja Kath<sup>1</sup>; Mridul Thomas<sup>2</sup> (<sup>1</sup>Potsdam University; <sup>2</sup>University of Geneva)</p>	<p>Wie langwirkend ist die hohe Phosphorretention von Tagebauseen?</p> <p>Björn Grüneberg<sup>1</sup>; Brigitte Nixdorf<sup>2</sup>; Jacqueline Rücker<sup>2</sup>; Thomas Gonsiorczyk<sup>3</sup>; Michael Hupfer<sup>3</sup>; Wilfried Uhlmann<sup>4</sup>; Dirk Seiler<sup>4</sup>; Yvonne Kreuziger<sup>4</sup>; David Kneis<sup>5</sup>; Thomas Petzoldt<sup>5</sup>; Adrian Horn<sup>6</sup>; Ina Hildebrandt<sup>6</sup> (<sup>1</sup>Landeslabor Berlin-Brandenburg; <sup>2</sup>BTU Cottbus-Senftenberg; <sup>3</sup>IGB; <sup>4</sup>Institut für Wasser und Boden Dr. Uhlmann, Dresden; <sup>5</sup>TU Dresden; <sup>6</sup>BGD ECOSAX GmbH, Dresden)</p>
15:00	<p>Food quality impacts on life history traits of a freshwater calanoid copepod</p> <p>Patrick Fink; Jessica Titocci (UFZ)</p>	<p>Multiple stressor effects of deposited fine sediment, increased salinity and reduced flow velocity on the transcriptomic landscape of <i>G. fossarum</i></p> <p>Marie Brasseur<sup>1</sup>; Vasco Elbrecht; Bianca Peinert; Romana Salis; Arne J. Beermann; Christoph Mayer; Florian Leese (<sup>1</sup>LIB-Leibniz Institute for the Analysis of Biodiversity Change, Zoological Research Museum A. Koenig)</p>	<p>Etablierung von eDNA-Metabarcoding-Ansätzen zur Erfassung der Biodiversität des Phytoplanktons und des Phytobenthos zur ökologischen Bewertung an Bundeswasserstraßen</p> <p>Demetrio Mora; Julia Kleinteich; Helmut Fischer; Sascha Krenek (BfG)</p>	<p>Rotifer response to oligotrophication, warming and stickleback invasion</p> <p>Sabine Schmidt-Halewicz<sup>1</sup>; Karl-Otto Rothhaupt<sup>2</sup>; Dietmar Straile<sup>2</sup> (<sup>1</sup>LimSa Gewässerbüro; <sup>2</sup>Universität Konstanz)</p>	<p>Auswirkungen eines Extrem-Hochwassers im Juli 2021 in Hagen (Westfalen) auf die Hydromorphologie und -biologie</p> <p>Jörg Drewenskus (Obere Wasserbehörde - Bezirksregierung Arnsberg)</p>
15:20	Coffee break				

15:50		<p>Are micropollutants dominating the macroinvertebrate response to multiple stressors? First results from two lowland catchments in North Rhine-Westphalia</p> <p><i>Nele Markert<sup>1</sup>; Barbara Guhl<sup>1</sup>; Christian K. Feld<sup>2</sup> (LANUV NRW; <sup>2</sup>University Duisburg-Essen)</i></p>	<p>Erfassung benthischer Diatomeen mittels DNA-Metabarcoding und Lichtmikroskopie als Effektmonitoring zur Überwachung von Oberflächengewässern unterhalb von Klärwerken</p> <p><i>Jonas Zimmermann<sup>1</sup>; Petra Werner<sup>2</sup>; Antje Köhler<sup>3</sup>; Demetrio Mora<sup>4</sup> (1Botanischer Garten und Botanisches Museum Berlin, FU Berlin; <sup>2</sup>Diatomeen als Bioindikatoren; <sup>3</sup>Senatsverwaltung für Umwelt, Verkehr + Klimaschutz Berlin; <sup>4</sup>BfG)</i></p>	<p>Oligotrophication and fish invasion effects on <i>Bosmina</i> trait dynamics</p> <p><i>Marjohn Baludo; Dietmar Straile (Universität Konstanz)</i></p>	<p>Management of small lotic waterbodies and its consequences for the ecological value: a survey referring to German authorities</p> <p><i>Isabelle Immerschitt; Axel Ssymank<sup>1</sup>; Andreas Martens<sup>2</sup> (1BfN; <sup>2</sup>PH Karlsruhe)</i></p>
16:10		<p>EffektMon: Evaluating the effects of pollutants on water ecology with effect-based monitoring methods</p> <p><i>Ariane Moulinec<sup>1</sup>; Thomas Bing<sup>2</sup>; Peter Ebke<sup>2</sup>; Sarah Hoerchner<sup>3</sup>; Matthias Oetken<sup>3</sup>; Andrea Sundermann<sup>1</sup> (1Senckenberg Research Institute; <sup>2</sup>Mesocosm GmbH - Institut für Gewässerschutz; <sup>3</sup>Goethe University Frankfurt)</i></p>	<p>Monitoring the ‘ecological reanimation’ of a stream: environmental DNA metabarcoding time series at the river Emscher</p> <p><i>Robin Schütz; Till-Hendrik Macher; Arne Beermann; Florian Leese (Universität Duisburg-Essen)</i></p>	<p>Cyanobacteria-mediated food quality affects responses of <i>Daphnia magna</i> life history traits and heat tolerance to elevated temperature</p> <p><i>Jana Sarrazin; Erik Sperfeld (Universität Greifswald)</i></p>	<p>Neue Herausforderungen durch die Energiewende für den Gewässerschutz in Deutschland – Hydrothermie und schwimmende Photovoltaik</p> <p><i>Dieter Leßmann<sup>1</sup>; Sebastian Mix<sup>2</sup> (1BTU Cottbus-Senftenberg; <sup>2</sup>Institut für Wasser und Boden Dr. Uhlmann, Dresden)</i></p>
16:30		<p>Flow reduction and biodiversity decline affect periphyton structural and functional characteristics</p> <p><i>Flavia Tromboni<sup>1</sup>; N.C. Játiva-Guzmán<sup>2</sup>; A. Maasri<sup>3</sup>; S. Bernal<sup>2</sup>; S. Mohr<sup>4</sup>; S.C. Jähnig<sup>3</sup>; A.H. Frank<sup>3</sup>; J.A.C Barth<sup>5</sup>; M. Dordoni<sup>5</sup>; S. Chandra<sup>1</sup>; C. Seitz<sup>1</sup>; H.P Grossart<sup>3</sup> (1University of Nevada, USA; <sup>2</sup>Integrative Freshwater Ecology Group, CEAB-CSIC; <sup>3</sup>IGB; <sup>4</sup>UBA; <sup>5</sup>Universität Erlangen-Nürnberg)</i></p>	<p>A non-invasive eDNA metabarcoding time series analysis provides phenological insights into stream invertebrate community dynamics</p> <p><i>Mandy Sander<sup>1</sup>; Dominik Buchner<sup>1</sup>; Arne Beermann<sup>1</sup>; Martina Weiss<sup>1</sup>; Beatrice Kulawig<sup>2</sup>; Peter Haase<sup>3</sup>; Florian Leese<sup>1</sup> (1University of Duisburg-Essen; <sup>2</sup>Senckenberg Forschungsinstitut und Naturmuseum Frankfurt; <sup>3</sup>Senckenberg Forschungsinstitut und Naturmuseum Frankfurt, University of Duisburg-Essen)</i></p>	<p>Predator mediated feedback effects in natural plankton communities</p> <p><i>Maria Stockenreiter<sup>1</sup>; Rosalie Krause<sup>1</sup>; Patrick Fink<sup>2</sup>; Herwig Stibor<sup>1</sup> (1LMU München; <sup>2</sup>UFZ)</i></p>	<p>Das wissenschaftliche Wasserkraft-Memorandum von 2021 und seine Rezeption</p> <p><i>Martin Pusch (IGB)</i></p>

16:50		<p><b>Transport of nutrients and phytoplankton biomass along river-connected lake systems</b></p> <p><i>Sabine Wollrab<sup>1</sup>; Stella Berger; Jens Nejtgaard; Hans-Peter Grossart; Franz Hölker; Andreas Jechow; Christine Kiel; Katrin Kohnert; Igor Ogashawara; Gabriel Singer; Jürgen Fischer; Thomas Ruhtz; Peter Gege; Stefan Plattner; Torsten Sachs; Gunnar Lischeid; (<sup>1</sup>IGB)</i></p>	<p><b>Can DNA metabarcoding replace traditional methods for biodiversity assessment?</b></p> <p><i>François Keck ; Rosetta Blackman; Raphael Bossart; Jeanine Brantschen; Marjorie Couton; Samuel Hürlemann; Dominik Kirschner; Nadine Locher; Heng Zhang; Florian Altermatt (Eawag, Switzerland)</i></p>		<p><b>Analyse der ökologischen Belastungen durch motorisierte Schifffahrt auf Seen in Deutschland: Erste Ergebnisse des Projektes SuBoLakes</b></p> <p><i>Darshan Neubauer<sup>1</sup>; Ralf Köhler<sup>1</sup>; Ole Lessmann<sup>2</sup>; Jörg Ostendorp<sup>3</sup>; Wolfgang Ostendorp<sup>3</sup>; Frank Peeters<sup>2</sup> (<sup>1</sup>Landesamt für Umwelt Brandenburg; <sup>2</sup>Universität Konstanz; <sup>3</sup>EcoDataDesign Consultant)</i></p>
17:10		<p><b>Mikroplastik im Wasser – Modellexperimente für die Umweltbildung und einen interdisziplinären Unterricht in den naturwissenschaftlichen Fächern</b></p> <p><i>Wolfgang Schmitz (PH Karlsruhe)</i></p>	<p>Discussion</p>		<p><b>Ecological effects of recreational boating activities on freshwater ecosystems</b></p> <p><i>Benjamin Wegner<sup>1</sup>; Nora Meyer<sup>2</sup>; Malwina Schafft<sup>1</sup>; Robert Arlinghaus<sup>1</sup>; Christian Wolter<sup>1</sup> (<sup>1</sup>IGB; <sup>2</sup>TU Dresden)</i></p>
	AudiMax				
17:30	<b><i>Unsere Gewässer trocknen aus: Was heißt das für Mensch und Natur, was können wir tun? (öffentliche Vorträge und Diskussion)</i></b>				
19:00	<b>Conference dinner at K7 University</b>				

## Thursday, 22 September 2022

Time / Room	Audimax	Room A701	Room A702	Room A703	Room A704
	<b>A1</b> <b>Aquatic Ecotoxicology</b> Moderation: Dietmar Straile	<b>S3</b> <b>Responses of aquatic ecosystems to anthropogenic stressors</b> Moderation: <i>Phuong-Anh Vu &amp; Anton Pranger</i>	<b>A8</b> <b>Auswirkungen des Klimawandels</b> Moderation: <i>Frank Peeters</i>	<b>A2</b> <b>Seen und Feuchtgebiete</b> Moderation: <i>Laura Epp</i>	
09:00	<p>Effects of the fungicide azoxystrobin and wastewater effluent on microbial communities and the key shredder <i>Gammarus fossarum</i> Koch, 1836</p> <p><i>Astrid Rutzer<sup>1</sup>; Andreas Bruder<sup>2</sup>; Stefanie von Fumetti<sup>1</sup> (<sup>1</sup>Universität Basel; <sup>2</sup>University of Applied Sciences and Arts of Southern Switzerland)</i></p>	<p>Effects of agricultural land use on river biota – a meta-analysis</p> <p><i>Christian Schürings<sup>1</sup>; Christian Karl Feld; Jochem Kail; Daniel Hering (<sup>1</sup>Duisburg-Essen University)</i></p>	<p>Suitability of Natura 2000 sites for threatened freshwater species under projected climate change</p> <p><i>Sarah Oexle; Timo Basen; Christoph Chucholl; Albert Ros; Alexander Brinker (Fisheries Research Station Baden-Württemberg, LAZBW)</i></p>	<p>PHOENIX See: Die Folgen des Starkregenereignisses im Juli 2021 für den See und seine Ökologie</p> <p><i>Patrick Volkens; Meike Wilbertz; Andreas Petruck; Thomas Korte (EmscherGenossenschaft / Lippeverband)</i></p>	
09:20	<p>A multiple-line of evidence approach to assessing the toxicological potential and ecological impacts of agricultural run-off in small streams</p> <p><i>Mechthild Schmitt-Jansen; Floriane Larras; Hannah Schäfer; Thorsten Reemtsma; Matthias Liess; Stefan Lips; Bastian Polst (UFZ)</i></p>	<p>On-line measurement of the impact of combined sewer overflows in small waterbodies</p> <p><i>Maïke Wissing; Andreas Petruck; Jürgen Mang; Mario Sommerhäuser (EmscherGenossenschaft / Lippeverband)</i></p>	<p>Depth preferences of European catfish (<i>Silurus glanis</i> L.) in a deep pre-alpine lake.</p> <p><i>Matthias Fromherz (Fischereiforschungsstelle Baden-Württemberg)</i></p>	<p>Ecological Status of Ternscher See (North Rhine-Westphalia, Germany) and its Phyto- and Zooplankton Communities</p> <p><i>Mariya Poryazova<sup>1</sup>; Bettina Zeis<sup>2</sup>; Elisabeth I. Meyer<sup>2</sup> (<sup>1</sup>LINEG; <sup>2</sup>WWU Münster)</i></p>	

09:40	<p>Artificial plastic aging as a framework for microplastics ecotoxicity evaluation</p> <p><i>Marcus Lukas<sup>1</sup>; Maria Kittner<sup>2</sup>; Korinna Altmann<sup>2</sup>; Tanja Kremer<sup>1</sup>; Rebecca Kochmann<sup>1</sup>; Lisa Isernhinke<sup>1</sup>; Ulrike Braun<sup>1</sup> (<sup>1</sup>UBA; <sup>2</sup>BAM)</i></p>	<p>Auswirkung reduzierter Talsperrenabgaben auf die Gewässergüte im Ruhr-Einzugsgebiet</p> <p><i>Karin Banhold; Daniel Teschlade (Ruhrverband Essen)</i></p>	<p>Blick in die Zukunft (BLIZ): Einfluss von Temperaturerhöhung und Trübung auf die Makrophytenentwicklung</p> <p><i>Markus Hoffmann<sup>1</sup>; Anne Lewerentz<sup>2</sup>; Uta Raeder<sup>1</sup> (<sup>1</sup>Limnologische Station Iffeldorf; <sup>2</sup>University of Würzburg)</i></p>	<p>Spontane Eutrophierung des Stechlinsees: Welche internen Mechanismen steuern die hohe saisonale Phosphordynamik im Wasserkörper?</p> <p><i>Michael Hupfer<sup>1</sup>; Lena Heinrich<sup>1</sup>; Thomas Gonsiorczyk (IGB)</i></p>
10:00	<p>Microphytobenthos in small agricultural streams: Community structure and Pollution induced community tolerance</p> <p><i>Franziska Fiolka<sup>1</sup>; Martin Krauss<sup>2</sup>; Hannah Schäfer<sup>2</sup>; Floriane Larras<sup>3</sup>; Bastian Polst<sup>2</sup>; Olof Berglund<sup>1</sup>; Mechthild Schmitt-Jansen<sup>2</sup> (<sup>1</sup>Lund University, Sweden; <sup>2</sup>UFZ; <sup>3</sup>INRAE)</i></p>	<p>Warm or anoxic? Managing climate effects on drinking water reservoirs</p> <p><i>Johannes Feldbauer; Thomas Petzoldt (TU Dresden)</i></p>	<p>Stocking with parasite pre-exposed brown trout to immunise feral trout populations to Proliferative Kidney Disease.</p> <p><i>Albert Ros; Jan Baer; Alexander Brinker (Fischereiforschungsstelle FFS, LAZBW)</i></p>	<p>Methane oxidation dominates over methane production in oxic water layers of lakes</p> <p><i>Karla Martínez Cruz<sup>1</sup>; Frederic Thalasso<sup>2</sup>; Frank Peeters<sup>1</sup> (<sup>1</sup>Universität Konstanz; <sup>2</sup>CINVESTAV-IPN)</i></p>
10:20	<p>Immissionsorientierte Feinsedimentuntersuchungen in den Lachsgewässern von NRW</p> <p><i>Sven Holl; Frederike Kroll; Thomas Zumbroich (Planungsbüro Zumbroich und Universität Bonn)</i></p>	<p>Greenhouse gas ebullition from temperate fish ponds: the significance of the feeding site</p> <p><i>Carolin Waldemer, Matthias Koschorreck (UFZ)</i></p>	<p>Suicidal cell death as a survival strategy by green algae</p> <p><i>Santosh Sathe; Lutz Becks (University of Konstanz)</i></p>	<p>Extreme gas pressures in lakes: the "killer" Lake Nyos (Cameroon) and Guadiana Pit Lake (Spain)</p> <p><i>Bertram Boehrer (UFZ)</i></p>
10:40	Coffee break			
11:10	<b>Closing, awards, farewell (Audimax)</b>			
13:00	Exkursion 2: Überlinger See			
14:00	Exkursion 1-A: Wolmatinger Ried			

## Friday, 23 September 2022

09:00	Excursion 4: Oberschwäbische Seen
09:00	Excursion 5: Wutchschlucht
09:00	Excursion 6: EAWAG
09:00	Fortbildungsveranstaltung (Praxis-Workshop) des AK Qualitätssicherung. Wo: Institut für Limnologie der Universität Konstanz; Forschungsschiff "Lauterborn"