

**Montag, 14. September 2026**

| Uhrzeit /<br>Raum | Foyer                                                                                                                                                                                              |                                                                                                                                                                                         |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              |                                                                                                                       |
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| 09:00             | Registration                                                                                                                                                                                       |                                                                                                                                                                                         |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              |                                                                                                                       |
|                   | Plenarsaal HS 0/115                                                                                                                                                                                |                                                                                                                                                                                         |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              |                                                                                                                       |
| 10:30             | <b>Eröffnung / Opening</b><br>WSA, IGB, DGL<br>Matthias Rehfeld-Klein (Senatsverwaltung für Mobilität, Verkehr, Klimaschutz und Umwelt): Masterplan Wasser Berlin                                  |                                                                                                                                                                                         |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              |                                                                                                                       |
|                   | HS 0/115                                                                                                                                                                                           | HS 0/307                                                                                                                                                                                | HS 0/310                                                                                                                                                           | HS 0/311                                                                                                                                                                                                                                                                                                                     | HS 0/110                                                                                                              |
|                   | <b>A01</b><br>Biodiversität und Ökologie<br>aquatischer<br>Lebensgemeinschaften /<br>Diversity and ecology of<br>aquatic communities<br><i>Mod.: Sabine Wollrab,<br/>           Christian Feld</i> | <b>S19</b><br>(K)ein Wunschkonzert- Was<br>erwarten Politik, Behörden,<br>und Verbände von der<br>Gewässerforschung<br><i>Mod.: Johannes Graupner,<br/>           Angelina Tittmann</i> | <b>A03</b><br>Hydrodynamik und Ökologie /<br>Hydrodynamics and ecology<br><i>Mod.: Jan Fleckenstein,<br/>           Tobias Goldhammer</i>                          | <b>S03</b><br>Die übersehene Blüte: Benti-<br>sche Cyanobakterien und ihre<br>Toxine in aquatischen Ökosyste-<br>men / The overlooked bloom:<br>Benthic cyanobacteria and their<br>toxins in aquatic ecosystems<br><i>Mod.: Sabine Hilt, Sven Meissner,<br/>           Jutta Fastner, Charlotte<br/>           Schampera</i> | <b>WHRC</b><br>Session: Improved Water<br>Balance Quantification and<br>Process Representation in the<br>Anthropocene |
| 11:30             | A chemical landscape of fear drives<br>genotype-specific diel vertical<br>migration in <i>Daphnia</i><br><i>Johanna Ahlers; Eric von Elert<br/>           Universität zu Köln</i>                  |                                                                                                                                                                                         | Thermobaricity controlled Deep<br>Water Circulation: Lake Shikotsu<br><i>Joshua Marks; Bertram Boehrer<br/>           UFZ</i>                                      | Tracking Anatoxin-Producing<br>Cyanobacteria in Switzerland: A<br>Molecular Approach Enabled by<br>Citizen-Science Sampling<br><i>Sami Zhioua; Margaux Corset;<br/>           Bruno Cabete; Guillaume Cailleau;<br/>           Deigo Gonzalez; Pilar Junier<br/>           Université de Neuchâtel, CH</i>                   |                                                                                                                       |
| 11:45             | The Diet of Fish Matters:<br>Untargeted Metabolomics Reveals<br>the Drivers of DVM<br><i>Leonie Eberhard; Eric von Elert<br/>           University of Cologne</i>                                  |                                                                                                                                                                                         | Thermobarizität: Warum das<br>Tiefenwasser in sehr tiefen<br>Süßwasserseen deutlich kälter als<br>4°C ist (sein kann)<br><i>Bertram Boehrer<br/>           UFZ</i> | <b>Divatox project (4 talks)</b><br>Neurotoxic benthic cyanobacteria<br>associated with macrophytes in<br>Lake Tegel: observations and<br>citizen-based reporting                                                                                                                                                            |                                                                                                                       |

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| 12:00 | <p>Clone-specific responses of <i>Daphnia magna</i> to mixed algal–cyanobacterial diets</p> <p>Jay Shukla; Ina Streup; Eric v. Elert<br/>University of Cologne</p>                                                                                                       |                                                                                                                                               | <p>Wind correction in 3D modeling of small lakes with tree canopy</p> <p>Behnam Zamani<sup>1</sup>; Ferdi. L. Hellweger<sup>2</sup><br/><sup>1</sup> TU-Berlin</p>                                                                                                                                  | <p>Britta Geiser<sup>1</sup>; Sven Meißner<sup>1</sup>; Haowu Cheng<sup>1</sup>; Elena Bezzubova<sup>1</sup>; Charlotte Schampera<sup>2</sup>; Pablo Barrancos<sup>3</sup>; Lea Drescher<sup>4</sup>; Andritahiana Andrianarijaona<sup>5</sup>; Hans-Peter Grossart<sup>1</sup>; Michael Monaghan<sup>1</sup>; Ferdi Hellweger<sup>3</sup>; Timo Niedermeyer<sup>5</sup>; Christoph van Thriel<sup>4</sup>; Jutta Fastner<sup>2</sup>; Sabine Hilt<sup>1</sup>; <sup>1</sup>IGB, <sup>2</sup>UBA; <sup>3</sup>TU Berlin; <sup>4</sup>IfaDo; <sup>5</sup>FU Berlin</p> <p>Molecular approaches in the study of toxic benthic cyanobacteria</p> <p>Elena Bezzubova<sup>1</sup>; Katrin Kiemel<sup>1</sup>; Michael T. Monaghan<sup>1</sup>; Hans-Peter Grossart<sup>2</sup>; Haowu Cheng<sup>1</sup>; Sven Meissner<sup>1</sup>; Sabine Hilt<sup>1</sup><br/><sup>1</sup> IGB Berlin; <sup>2</sup> IGB</p> <p>Toxin production of macrophyte-associated benthic cyanobacterium <i>Microcoleus</i></p> <p>Charlotte Schampera<sup>1</sup>; Elena Bezzubova<sup>2</sup>; Sven Meißner<sup>2</sup>; Sabine Hilt<sup>2</sup>; Jutta Fastner<sup>1</sup><br/><sup>1</sup> UBA; <sup>2</sup> IGB</p> |                                                                                                           |
| 12:15 | <p>Competition and niche differentiation between two cryptic rotifer species</p> <p>Julia Pawlak<sup>1</sup>; Viktorii Radchuk<sup>2</sup>; Ralph Tiedemann<sup>1</sup>; Guntram Weithoff<sup>1</sup><br/><sup>1</sup> Universität Potsdam; <sup>2</sup> IZW, Berlin</p> |                                                                                                                                               | <p>Oxygen concentrations in German lakes under long-term changes in nutrients and stratification</p> <p>Robert Schwefel<sup>1</sup>; Sylvia Jordan<sup>2</sup>; Michael Hupfer<sup>2</sup><br/>IGB</p>                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
| 12:30 | Mittagspause / Lunchbreak                                                                                                                                                                                                                                                |                                                                                                                                               |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |
|       | HS 0/115                                                                                                                                                                                                                                                                 | HS 0/307                                                                                                                                      | HS 0/310                                                                                                                                                                                                                                                                                            | HS 0/311                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HS 0/110                                                                                                  |
|       | <p><b>A01</b></p> <p>Fortsetzung /Continued</p> <p>Mod.: Sabine Wollrab, Christian Feld</p>                                                                                                                                                                              | <p><b>A02</b></p> <p>Fortsetzung /Continued</p> <p>Mod.: Gunnar Lischeid, Helmut Fischer</p>                                                  | <p><b>A03</b></p> <p>Fortsetzung /Continued</p> <p>Mod.: Jan Fleckenstein, Tobias Goldhammer</p>                                                                                                                                                                                                    | <p><b>S03</b></p> <p>Fortsetzung /Continued</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p><b>WHRC</b></p> <p>Session: Water data and Knowledge Generation in Times of AI and Citizen Science</p> |
| 13:30 | <p>So similar, so different – genetic and ecological speciation in the <i>Brachionus calyciflorus</i> species complex</p> <p>Guntram Weithoff<br/>Universität Potsdam</p>                                                                                                | <p>Assessing extreme event impacts on drinking-water quality using interchangeable one-dimensional and three-dimensional reservoir models</p> | <p>Effects of hydromorphological restoration on microbial structure and function</p> <p>Julia Pasqualini<sup>1</sup>; Patrick Fink<sup>2</sup>; Christine Anlanger<sup>1</sup>; Clara Mendoza-Lera<sup>3</sup>; Andreas Lorke<sup>3</sup>; Markus Weitere<sup>1</sup>; Mario Brauns<sup>1</sup></p> | <p>Habitat specificity versus transition of toxigenic cyanobacteria across benthic versus planktonic communities in bathing waters</p> <p>Magdalena Cupak <sup>1,2</sup>, Stefanie Dobrovolny<sup>3</sup>, Alexander Indra <sup>4</sup>; Rainer Kurmayer<sup>2</sup></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                           |

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|       |                                                                                                                                                                                                                                         | <p>Muhammed Shikhani<sup>1</sup>; Jorrit Mesman<sup>2</sup>; Annika Künne<sup>3</sup>; Lorenz Jackson<sup>4</sup>; Tom Shatwell<sup>5</sup></p> <p><sup>1</sup>TH-OWL; <sup>2</sup>Uppsala University; <sup>3</sup>LfUBN Thüringen; <sup>4</sup>Thüringer Fernwasserversorgung; <sup>5</sup>IGB</p>                                                                                                                                                                                                                                                                                                                                                                                            | <p><sup>1</sup>UFZ; <sup>2</sup>University of Cologne; <sup>3</sup>RPTU Kaiserslautern-Landau</p>                                                                                                                                                                                                                                                                                                                 | <p><sup>1</sup>AGES; <sup>2</sup>Universität Innsbruck;</p>                                                                                                                                                                                                                                                                                                                                                                |  |
|       | <p><b>A01</b></p> <p><b>Fortsetzung /Continued</b></p> <p>Mod.: Sabine Wollrab, Christian Feld</p>                                                                                                                                      | <p><b>A02</b></p> <p><b>Fortsetzung /Continued</b></p> <p>Mod.: Gunnar Lischeid, Helmut Fischer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p><b>A03</b></p> <p><b>Fortsetzung /Continued</b></p> <p>Mod.: Jan Fleckenstein, Tobias Goldhammer</p>                                                                                                                                                                                                                                                                                                           | <p><b>S04</b></p> <p><b>Genetische Variation und ihre Rolle bei der Bewältigung des globalen Wandels / Genetic variation and its role in coping with global change</b></p> <p>Mod.: Nedim Tuezuen, Felix Mende</p>                                                                                                                                                                                                         |  |
| 13:45 | <p>Nanobenthology of brackish waters – Extreme molecular and morphological diversity of nanofauna in the southern Baltic</p> <p>Hartmut Arndt; Maria Sachs; Manon Dünn; Julian Wagenhofer; Anja Scherwaß</p> <p>Universität zu Köln</p> | <p>The IGB LakeLab: a unique large-scale experimental enclosure facility enabling studies of extreme weather impact on lake phytoplankton dynamics</p> <p>Stella A. Berger<sup>1</sup>; Gülce Yalçın<sup>1</sup>; Charlotte Schampera<sup>1</sup>; Damien Boetsch<sup>2</sup>; Mohammad Hassan Ranjbar<sup>3</sup>; Anne Lyche Solheim<sup>4</sup>; Michele Burford<sup>3</sup>; David P. Hamilton<sup>3</sup>; Mark O. Gessner<sup>1</sup>; Sabine Wollrab<sup>1</sup>; Hans-Peter Grossart<sup>1</sup>; Jens C. Nejtgaard<sup>1</sup></p> <p><sup>1</sup>IGB, Stechlin; <sup>2</sup>University of Clermont Auvergne; <sup>3</sup>Griffith University, Australia; <sup>4</sup>NIVA Norway</p> | <p>Einfluss der Hydrodynamik auf die Gewässergüte in der Unteren Havel zwischen Spandau und Ketzin</p> <p>Tanja Bergfeld-Wiedemann; Annette Becker</p> <p>Bundesanstalt für Gewässerkunde (BfG)</p>                                                                                                                                                                                                               | <p>Implications of limited genetic diversity in Arctic Daphnia in the light of climate change</p> <p>Dagmar Frisch<sup>1</sup>; Annette Constanze Schwager<sup>2</sup>; Athina Karapli-Petritsopoulou<sup>1</sup>; Wassim Salam<sup>3</sup>; Marcin W. Wojewodzic<sup>4</sup></p> <p><sup>1</sup>IGB; <sup>2</sup>FU Berlin; <sup>3</sup>BIH / MDC Genomics Platform; <sup>4</sup>Norwegian Institute of Public Health</p> |  |
| 14:00 | <p>Überblick über die Mikroalgenflora Deutschlands</p> <p>Wolf-Henning Kusber; Nélida Abarca; Jonas Zimmermann</p> <p>Freie Universität Berlin</p>                                                                                      | <p>Langjährige Betrachtung der chemisch-physikalischen Gewässergüteparameter in der Tideelbe zwischen 2000 – 2025</p> <p>Steffen Hackbusch<sup>1</sup>; Annette Kock<sup>2</sup>; Rene Schwartz<sup>1</sup>; Ulrich Wiegel<sup>3</sup></p> <p><sup>1</sup>Behörde für Umwelt, Klima, Energie und Agrarwirtschaft Hamburg; <sup>2</sup>LfU SH; <sup>3</sup>NLWKN Niedersachsen</p>                                                                                                                                                                                                                                                                                                              | <p>Phosphorus release and algae-nutrient dynamics along a lateral Elbe floodplain connectivity gradient</p> <p>Michele Meyer<sup>1</sup>; Emanuel Wyler<sup>2</sup>; Ulrike Herzschrub<sup>3</sup>; Katharina Kordubel<sup>4</sup>; Nuria Perujo<sup>5</sup>; Markus Landthaler<sup>2</sup>; Markus Weitere<sup>6</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup>Max Delbrück Center for Molecular Medicine in the</p> | <p>Alterations in hypoxia-related gene expression and physiological responses between resurrected and inhabitant obligate parthenogenetic Daphnia clones from an Arctic lake</p> <p>Athina Karapli-Petritsopoulou<sup>1</sup>; Dörthe Becker<sup>2</sup>; Dagmar Frisch<sup>1</sup></p> <p><sup>1</sup>IGB; <sup>2</sup>NABU-Naturschutzstation Niederrhein, Kleve</p>                                                     |  |

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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                 | <i>Helmholtz Association, (BIMSB); <sup>3</sup> AWI Potsdam; <sup>4</sup> Helmholtz-Zentrum Hereon; <sup>5</sup> Universitat de Girona, Spanien; <sup>6</sup> UFZ</i>                                                                                                                                                                      |                                                                                                                                                                                                                                                                              |
| 14:15 | <p>Erfassung einer metalimnischen Planktothrix-Blüte – wie kombinierte Monitoringansätze neue Einblicke ermöglichen</p> <p><i>Chiara Holzer<sup>1</sup>; Johannes Ho<sup>1</sup>; Anna Poulionaki<sup>1</sup>; Carolin Schweikart<sup>1</sup>; Claudia Stange<sup>1</sup>; Gabriele Packroff<sup>2</sup>; Julia Nuy<sup>3</sup>; Alexander Probst<sup>3</sup>; Andreas Tiehm<sup>1</sup>; Michael Hügler<sup>1</sup></i></p> <p><sup>1</sup> TZW: DVGW; <sup>2</sup> Wahnachtal-sperrenverband; <sup>3</sup> Universität Duisburg-Essen</p> | <p>2021 flood event in the Ahr valley</p> <p><i>Sophia Sonak; Stefan Stoll Hochschule Trier (UCB)</i></p>                                                                                                                       | <p>Ship-wave exposure and shoreline community structure across trophic levels in a large gravel-bed river (Danube, Austria)</p> <p><i>Anna-Lisa Dittrich<sup>1</sup>; Mario Brauns; Thomas Hein; Peter Flödl; Michael Krapesch; Johannes Kühner; Anna Pold; Elisabeth Bondar-Kunze</i></p> <p><sup>1</sup> Universität für Bodenkultur</p> | <p>Genetic variation in tolerance to tyre wear pollution in urban and rural Daphnia populations</p> <p><i>Felix Mende<sup>1</sup>; Nedim Tüzün<sup>1</sup>; Justyna Wolinska<sup>1</sup>; Luc De Meester<sup>2</sup></i></p> <p><sup>1</sup> IGB; <sup>2</sup> KU Leuven</p> |
|       | <p><b>A01</b></p> <p><b>Fortsetzung /Continued</b></p> <p><i>Mod.: Sabine Wollrab, Christian Feld</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p><b>A02</b></p> <p><b>Fortsetzung /Continued</b></p> <p><i>Mod.: Gunnar Lischeid, Helmut Fischer</i></p>                                                                                                                      | <p><b>S01</b></p> <p><b>Gekommen, um zu bleiben: Die invasive Quagga-Muschel im Fokus von Forschung und Praxis / Here to stay: The invasive quagga mussel in the spotlight of research and practice</b></p> <p><i>Mod.: Louisa Rothe, Thomas Müller</i></p>                                                                                | <p><b>S04</b></p> <p><b>Fortsetzung /Continued</b></p> <p><i>Mod.: Nedim.Tuezuen, Felix Mende</i></p>                                                                                                                                                                        |
| 14:30 | <p>Monitoring river ecosystems across space and time: biodiversity genomics under the climate emergency</p> <p><i>Philipp Schiffer<sup>1</sup>; Ann-Marie Waldvogel<sup>2</sup></i></p> <p><sup>1</sup> University of Cologne; <sup>2</sup> Technische Universität München</p>                                                                                                                                                                                                                                                              | <p>Auswirkungen extremer Trockenheit auf epilithische Biofilme in saisonalen Karstflüssen: Eine Langzeit-studie über drei Flussabschnitte</p> <p><i>Andrea Burfeid Castellanos</i></p> <p><i>Universität Duisburg Essen</i></p> | <p>Four Decades of Dreissenid Invasion in the Laurentian Great Lakes: Population Dynamics, Ecosystem Impacts, and Future Trajectories</p> <p><i>Alexander Karatayev; Lyubov Burlakova</i></p> <p><i>SUNY Buffalo State University</i></p>                                                                                                  | <p>Beyond the means: Urban Daphnia show reduced genetic variation in responses to light pollution</p> <p><i>Nedim Tüzün</i></p> <p><i>IGB</i></p>                                                                                                                            |
| 14:45 | <p>Parallel Streamside and Laboratory Flume Experiments for Mechanistic Ecosystem Research</p> <p><i>Johannes Werner; Patrick Fink</i></p> <p><i>University of Cologne</i></p>                                                                                                                                                                                                                                                                                                                                                              | <p>Intraspecific variability of the invasive cyanobacterium <i>Raphidiopsis raciborskii</i> in response to salinity stress.</p> <p><i>Catalina Ríos-Henríquez; Guntram Weithoff</i></p>                                         | <p>Freshwater mussels drive oxygen depletion and organic matter mineralization at the sediment–water interface in Lakes Erie and Ontario</p>                                                                                                                                                                                               | <p>Eco-evolutionary feedbacks in competitive systems: Rescue and murder</p> <p><i>Simon Leoz<sup>1</sup>; Frithjof Lutscher<sup>2</sup>; Korinna Allhoff<sup>3</sup>; Lynn Govaert<sup>4</sup></i></p>                                                                       |

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|       |                                                                                                           | Universität Potsdam | Maria Dittrich <sup>1</sup> ; Xiaoqing Shao <sup>1</sup> ; Yi Zhang <sup>1</sup> ; Khoren Avetisyan <sup>1</sup> ; Yuwei Zhao <sup>1</sup> ; Ivan Strakhov <sup>1</sup> ; Sara Zaferani <sup>1</sup> ; Zach Diloireto <sup>1</sup> ; Alexey Neumann <sup>1</sup> ; George Arhonditsis <sup>1</sup> ; Lyubov Burlakova <sup>2</sup> ; Alexander Karatayev <sup>2</sup><br><sup>1</sup> University of Toronto, Canada; <sup>2</sup> Great Lakes Center, USA | <sup>1</sup> IGB ; <sup>2</sup> University of Ottawa; <sup>3</sup> Universität Hohenheim; <sup>4</sup> IGB |                      |
| 15:00 | Kaffeepause / Coffee break                                                                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            |                      |
| 15:30 | Plenarvortrag (HS 0/115)<br>Titel<br><i>Umweltbundesamt &amp; Masahiro Ryo (ZALF)</i><br>Moderation: N.N. |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            |                      |
| 16:30 | Pause / break                                                                                             |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            | Award Ceremony       |
| 16:45 | DGL Praxispreisvergabe (HS 0/115)                                                                         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            | WSA General Assembly |
| 18:00 | Get Together (Foyer)                                                                                      |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            |                      |

| Dienstag, 15. September 2026 |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                  |                                                                                         |
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| Uhrzeit<br>/ Raum            |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                  |                                                                                         |
| 9:00                         | <b>Plenarvortrag (HS 0/115)</b><br>Enhancing lake research and management with integrated in situ observations, remote sensing, and hydrodynamic models<br><i>Damien Bouffard (Eawag, Schweiz)</i><br>Moderation: Sabine Wollrab                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                  |                                                                                         |
| 10:00                        | Kaffeepause / Coffee break                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                  |                                                                                         |
|                              | HS 0/115                                                                                                                                                                                                                                                                                           | HS 0/307                                                                                                                                                                                                                                                                                                                                                                                                  | HS 0/310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HS 0/311                                                                                                                                                                                                                                                                          | HS 0/313                                                                                                                                                                                                                                         | SR 1/305, SR 1/306                                                                      |
|                              | <b>A01</b><br>Biodiversität und Ökologie aquatischer Lebensgemeinschaften / Diversity and ecology of aquatic communities<br><i>Mod.: Sabine Wollrab, Christian Feld</i>                                                                                                                            | <b>A07</b><br>Stoffflüsse in aquatischen Ökosystemen / Matter fluxes in aquatic communities<br><i>Mod.: Erika Freeman, Maximilian Lau</i>                                                                                                                                                                                                                                                                 | <b>S01</b><br>Gekommen, um zu bleiben: Die invasive Quagga-Muschel im Fokus von Forschung und Praxis / Here to stay: The invasive quagga mussel in the spotlight of research and practice<br><i>Mod.: Louisa Rothe, Thomas Müller</i>                                                                                                                                                                                                                                                                          | <b>A06</b><br>Aquatische Nahrungsnetze / Aquatic food webs<br><i>Mod.: Anne McLeod, Kristin Scharnweber</i>                                                                                                                                                                       | <b>S12</b><br>Wie können belastete Flüsse fit für Klimawandel werden? Ergebnisse und Empfehlungen von der Oder / How can polluted rivers be made fit for climate change? Findings and recommendations from the Oder<br><i>Mod.: Martin Pusch</i> | <b>WRHC</b><br>Session 1: Future Data for Water future<br>Session 2: Shifting baselines |
| 10:30                        | Ökologische Funktion von Süßwassermuschelschalen für die Makroinvertebraten Gemeinschaft<br><i>Marie von Wesendonk<sup>1</sup>; Joachim Pander<sup>1</sup>; Małgorzata Ożgo<sup>2</sup>; Jürgen Geist<sup>1</sup></i><br><sup>1</sup> TU München; <sup>2</sup> Kazimierz Wielki Universität, Polen | Contrasted biogeochemical response to drying and reflooding in the Spreewald fluvial network ecosystem<br><i>Maria Isabel Arce Sánchez<sup>1</sup>; Clara Mendoza-Lera<sup>2</sup>; Celine Cera<sup>1</sup>; Nicolás Valiente<sup>3</sup>; Alessandro Manfrin<sup>2</sup>; Tobias Goldhammer<sup>1</sup></i><br><sup>1</sup> IGB; <sup>2</sup> RPTU; <sup>3</sup> University of Castilla La Mancha, Spain | Dealing with the quagga mussel in the Ruhrverband region: laboratory tests, prevention, and strategies<br><i>Louisa Rothe<sup>1</sup>; Katharina Ammeling<sup>2</sup>; Lucas Eckel<sup>3</sup>; Markus Köhlmann<sup>3</sup>; Therese Dreier<sup>2</sup>; Annette Schossig<sup>2</sup>; Julia Banholzer<sup>2</sup>; Joanna Landgraf<sup>2</sup>; Christina Meinert-Berning<sup>2</sup>; Thomas Korte<sup>2</sup>; Jochen Tuerk<sup>1</sup></i><br><sup>1</sup> Coop. laboratory Ruhrverband + Emschergenossen- | Fluctuation-dependent consumer coexistence and its robustness in more realistic food web modules<br><i>Lilla Zs. Kiss<sup>1</sup>; Masato Yamamichi<sup>2</sup>; Toni Klauschies<sup>1</sup></i><br><sup>1</sup> Universität Potsdam; <sup>2</sup> National Institute of Genetics | Das ufernahe Makrozoobenthos der Oder nach der Oder-Katastrophe 2022<br><i>Bianca Dörgeloh<sup>1</sup>; Sonja Jähnig<sup>1</sup>; Martin Pusch<sup>2</sup></i><br><sup>1</sup> IGB & HU Berlin; <sup>2</sup> IGB                                 |                                                                                         |

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|       |                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    | <i>schaft/Lippeverband and Centre for Water + University of Duisburg-Essen; <sup>2</sup> Coop. laboratory Ruhrverband + Emschergerossen-schaft/Lippeverband; <sup>3</sup> Ruhrverband</i>                                         |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 10:45 | Invasive Grundeln (Gobiidae) als Wirtsfische für heimische Süßwassermuscheln (Unionidae) in Altarmen der Donau in Österreich<br>Tobias Leister <sup>1</sup> ; Paul Meulenbroek <sup>1</sup> ; Harald Ahnelt <sup>2</sup><br><sup>1</sup> BOKU University Vienna; <sup>2</sup> Universität Wien (Vienna) | Long-term-trends of nutrient and nitrogen isotope dynamics in the Elbe River<br>Kirstin Dähnke; Tina Sanders; Gesa Schulz<br>Helmholtz-Zentrum Hereon                                                                                                                              | Monitoring, Early Detection and other Activities of the Quagga Mussel Competence Center in Switzerland<br>Thomas Müller; Piet Spaak; Alexandra Anh-Thu Weber<br>Eawag - Swiss Federal Institute of Aquatic Science and Technology | Vertical distribution of plankton in a large and deep lake<br>Luca Schenone <sup>1</sup> ; Marjohn Baludo <sup>1</sup> ; Birgit Eckert <sup>2</sup> ; Sabine Schmidt-Halewicz <sup>3</sup> ; David Schleheck <sup>1</sup> ; Dietmar Straile <sup>1</sup><br><sup>1</sup> Universität Konstanz; <sup>2</sup> LBH Freiburg; <sup>3</sup> LimSa Gewässerbüro        | Short-term exposure to Pymnesium parvum alters filtration and recovery of quagga mussels<br>Margie Glenn; Zeno Mayr; Jonas Mauch; Joern Gessner IGB                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| 11:00 | Von Daten zu Handlungsempfehlungen: Gebietsfremde Wasserschildkröten als Modell für evidenzbasiertes Management von Neozooen<br>Johannes Meka <sup>1</sup> ; Johannes Penner <sup>2</sup> ; Melita Vamberger <sup>1</sup><br><sup>1</sup> Senckenberg (SBiK-F); <sup>2</sup> University of Freiburg     | Combining longitudinal dynamics of riverine dissolved organic matter with experiments on its photochemical and microbial transformation<br>Norbert Kamjunke <sup>1</sup> ; Peter Herzsprung; Wolf von Tümpling; Jörg Tittel; Martin Krauss; Oliver Lechtenfeld<br><sup>1</sup> UFZ | Population Genomics and the Spread of the Quagga Mussel<br>Julie Conrads; Marco Giulio <sup>2</sup><br>Alexandra A.T. Weber<br>EAWAG, Switzerland                                                                                 | Cascading effects of quagga mussels on zooplankton and macrophyte dynamics in a temperate shallow lake<br>Sirka Heinrich <sup>1</sup> ; Jonas Mauch <sup>2</sup> ; Tom Shatwell <sup>2</sup> ; Justyna Wolinska <sup>2</sup> ; Tobias Goldhammer <sup>2</sup> ; David Kneis <sup>1</sup> ; Sabine Hilt <sup>2</sup><br><sup>1</sup> TU Dresden; <sup>2</sup> IGB | Exploring the role of water residence time on phytoplankton bloom formation and composition in the Oder River<br>Gülce Yalçın <sup>1</sup> ; Paula Torre Zaffaroni <sup>1</sup> ; Sai Hariharan <sup>1</sup> ; Daniel Wewer <sup>1</sup> ; Abrehet Kahsay Mehari <sup>1</sup> ; Luc De Meester <sup>2</sup> ; Jan Köhler <sup>1</sup> ; Sven Würtz <sup>1</sup> ; Tobias Goldhammer; Hans-Peter Grossart <sup>1</sup> ; Michael T. Monaghan <sup>1</sup> ; Martin Pusch <sup>1</sup> ; Jens C. Nejstgaard <sup>1</sup> ; Stella A. Berger <sup>1</sup><br><sup>1</sup> IGB, Germany; <sup>2</sup> KU Leuven, Belgium |  |
| 11:15 | Zielfischbestände für die Europäische Äsche: Ein Werkzeug zur Bewertung des Erhaltungszustandes<br>Maren Paulmann; Carola Winkelmann<br>Bundesanstalt für Gewässerkunde (BfG)                                                                                                                           | Freshwater dissolved organic matter composition shapes planetary biogeochemical flows<br>Daniel Graeber <sup>1</sup> ; Michele Meyer <sup>1</sup> ; Xavier Peñarroya <sup>2</sup> ; Carsten Simon <sup>1</sup> ; Anika Große <sup>3</sup> ; Ricky Mwanake <sup>4</sup> ;           | Die Invasion der Quaggamuschel ( <i>Dreissena bugensis</i> ) in Schweizer Seen, ihre Ausbreitung, Folgen und mögliche Bekämpfungsmaßnahmen<br>Piet Spaak<br>Eawag                                                                 | Auswirkungen des Besatzes mit adulten Bachforellen auf Fisch + Makrozoobenthosgemeinschaften in zwei brandenburgischen Tieflandflüssen<br>Leon Wiegand                                                                                                                                                                                                           | Aufenthaltszeit bestimmt alles: Wie der Klimawandel den Stoffwechsel von Flussökosystemen und ihre Kippunkte verschiebt.<br>Martin Pusch<br>IGB                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |

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|       |                                                                                                                                                                                                                                                                                                  | <p>Mayra Rulli Rulli<sup>5</sup>; Martin Berggren<sup>6</sup>; Erika C. Freeman<sup>7</sup>; Susana Bernal<sup>2</sup>; Dolly Kothawala<sup>5</sup>; Wolf von Tümpling<sup>1</sup>; Matthias Koschorreck<sup>1</sup>; Núria Catalán<sup>2</sup>; Peter Herzsprung<sup>1</sup>; Norbert Kamjunke<sup>1</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup>CEAB-CSIC; <sup>3</sup>Aarhus University; <sup>4</sup>KIT; <sup>5</sup>Uppsala University; <sup>6</sup>Lund Uni.; <sup>7</sup>IGB</p>                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| 11:30 | <p>Reconnection of an antecedently dry meander initially enhances macroinvertebrate communities in a sandy-bottom, lowland stream</p> <p>Janine Rüegg; Marie Schreiber; Tarn Preet Parmar; Dominik Martin-Creuzburg</p> <p>Brandenburgische Technische Universität (BTU) Cottbus-Senftenberg</p> | <p>Resolving Vertical CO<sub>2</sub> Concentration Gradients at the Air-Water Interface Using a Novel Membrane Equilibration Technique</p> <p>Patrick Aurich<sup>1</sup>; Vivien Bernhard<sup>1</sup>; Uwe Spank<sup>2</sup>; Matthias Koschorreck<sup>1</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup>TU Bergakademie Freiberg</p>                                                                                                                                                                                                                                                                                                                              | <p>Blooms like it hot – but mussels do not: Influence of quagga mussels on freshwater quality under climate change</p> <p>Jonas Mauch<sup>1</sup>; Maider Erize Gardoki<sup>2</sup>; Raphael Neiling<sup>1</sup>; Jan Köhler<sup>1</sup>; Sven Teurlincx<sup>3</sup>; Lilith Kramer<sup>4</sup>; Robert Schwefel<sup>1</sup>; Jordan Facey<sup>1</sup>; Sabine Hilt<sup>1</sup></p> <p><sup>1</sup>IGB; <sup>2</sup>Radboud University; <sup>3</sup>Netherlands Institute of Ecology (NIOO-KNAW); <sup>4</sup>Deltares</p> | <p>Food web recovery after stream restoration is explained by tolerance and dispersal capacities</p> <p>Lena C. Ruf<sup>1</sup>; Alexandra Schlenker<sup>1</sup>; Mario Brauns<sup>1</sup>; Armin Lorenz<sup>2</sup>; Markus Weitere<sup>1</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup>Universität Duisburg-Essen</p>                                                                                                                                                                                                                                                                                                                                                              | <p>Floodplain Over Troubled Water: Entwicklung täglicher Überflutungsmuster der Oder-Auen anhand digitaler Höhenmodelle und Satellitenbildern</p> <p>Anna Oprei; Sascha Starck; Vivian Stöckl; Markus Venohr</p> <p>IGB</p>                                                                                                                                                                                                              |  |
| 11:45 | <p>Hidden Diversity, Hidden Risks: A Comparative Study of Cadmium Toxicity Within the Cryptic <i>Gammarus fossarum</i> Complex.</p> <p>Leonie Georg; Jonas Jourdan</p> <p>Goethe University Frankfurt</p>                                                                                        | <p>Spatial heterogeneity of water surface carbon dioxide and methane fluxes in subarctic lakes</p> <p>Judith Vogt<sup>1</sup>; Elliot Pratt<sup>1</sup>; Nicholas Eves<sup>1</sup>; Chiara Gruber<sup>2</sup>; Lara Oxley<sup>3</sup>; Kseniia Ivanova<sup>1</sup>; Sanjid Backer Kanakkassery<sup>1</sup>; Elias Wahl<sup>1</sup>; Theresia Yazbeck<sup>1</sup>; Abdullah Bolek<sup>1</sup>; Nathalie Y. Triches<sup>1</sup>; Mark Schlutow<sup>1</sup>; Martin Heimann<sup>1</sup>; Mathias Göckede<sup>1</sup></p> <p><sup>1</sup>Max-Planck-Institut für Biogeochemie; <sup>2</sup>b.geos GmbH, Austria; <sup>3</sup>University of Bern, Switzerland</p> | <p>Do legacy and emerging PFAS alter responses to acute warming? Evidence from the zebra mussel <i>Dreissena polymorpha</i></p> <p>Sophia Schumann<sup>1</sup>; Thea Hose; Luise Erbsch; Carolin Liebscher; Thomas Berendonk</p> <p><sup>1</sup>TU Dresden</p>                                                                                                                                                                                                                                                             | <p>Restoration rebuilds biodiversity-driven multifunctionality in stream food webs across contrasting ecosystems</p> <p>Mario Brauns<sup>1</sup>; Christine Anlanger<sup>2</sup>; Clara Mendoza-Lera<sup>2</sup>; Davi G. Fernandes Cunha<sup>3</sup>; Patrick Fink<sup>4</sup>; Nicolas Finkler<sup>5</sup>; Björn Gucker<sup>6</sup>; Andreas Lorke<sup>2</sup>; Isabel Muñoz<sup>7</sup>; Julia Pasqualini<sup>8</sup>; Ryan Sponseller<sup>9</sup>; Daniel von Schiller<sup>7</sup>; Markus Weitere<sup>8</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup>RPTU; <sup>3</sup>Univ. of São Paulo; <sup>4</sup>Univ.zu Köln; <sup>5</sup>Swedish Univ. of Agri. Sci; <sup>6</sup></p> | <p><i>Prymnesium parvum</i> in the Oder Lagoon: Dispersion, impacts, and perspectives</p> <p>Bruna De Ramos<sup>1</sup>; Siren Rühls<sup>2</sup>; Clemens Engelke<sup>3</sup>; Thomas Neumann<sup>1</sup>; Gerald Schernewski<sup>4</sup></p> <p><sup>1</sup>Leibniz-Institute for Baltic Sea Research; <sup>2</sup>GEOMAR; <sup>3</sup>LUNG; <sup>4</sup>Leibniz-Institute for Baltic Sea Research / Klaipeda University, Lithuania</p> |  |

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|       |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                | Federal Univ. of São João del-Rei; <sup>7</sup> Univ. of Barcelona; <sup>8</sup> UFZ; <sup>9</sup> Umeå Univ.                                                                                                       |                                                                                                                                                                                                                    |                                |
| 12:00 | Mittagspause / Lunchbreak                                                                                                                                                                                                                                                                |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |                                |
| 13:00 | Poster Speed Talks (HS 0/115)                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     | Workshop S18<br>Methoden und deren technische Hintergründe / Methods and their technical background                                                                                                                | Postersession                  |
| 14:00 | Postersession & Arbeitskreise                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |                                |
| 15:00 | Kaffeepause / Coffee Break                                                                                                                                                                                                                                                               |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |                                |
|       | HS 0/115                                                                                                                                                                                                                                                                                 | HS 0/307                                                                                                                                                           | HS 0/310                                                                                                                                                                                                                                                                       | HS 0/311                                                                                                                                                                                                            | HS 0/313                                                                                                                                                                                                           | HS 0/110<br>SR 1/305, SR 1/306 |
|       | <b>S14/16</b><br>Die Zukunft der Gewässerüberwachung: Digitale Werkzeuge, Modelle und Frühwarnsysteme/ The Future of Freshwater Monitoring: Digital Tools, Models, and Early Warning System<br><i>Mod.: Lena Heinrich, Tom Shatwell, Kerstin Stelzer, Gabriele Packroff, Issa Hansen</i> | <b>A07</b><br>Stoffflüsse in aquatischen Ökosystemen / Matter fluxes in aquatic communities<br><i>Mod.: Erika Freeman, Maximilian Lau</i>                          | <b>S02</b><br>Süßwasser-Makrophyten im Anthropozän -Trends, Stressfaktoren, Management / Freshwater macrophytes in the Anthropocene – trends, stressors and management<br><i>Mod.: Anne Lewerentz, Sabine Hilt, Klaus van den Weyer</i>                                        | <b>A06</b><br>Aquatische Nahrungsnetze / Aquatic food webs<br><i>Mod.: Anne McLeod, Kristin Scharnweber</i>                                                                                                         | <b>S13</b><br>Einfach zu bedienende Tools für räumliche Süßwasseranalysen und -modelle/ Easy-to- use tools for spatial freshwater analyses and models<br><i>Mod.: Merret Boorman, Afroditi Grigoropolou, et al</i> | <b>WRHC</b><br>Workshops       |
| 15:30 | Development and employment of mobile in-situ multi-parameter probes for analysing, understanding, modelling and forecasting dynamics of surface water quality parameters of rivers and lakes<br>Stefan Norra<br>Universität Potsdam                                                      | Episode oder neue Normalität: Spontane Eutrophierung eines geschichteten Klarwassersees<br>Michael Hupfer; Thomas Gonsiorczyk; Sabine Hilt; Mark O. Gessner<br>IGB | What predicts macrophyte phenology across Europe? First results from the EUPHORIA network<br>Anne Lewerentz <sup>1</sup> ; Benjamin Misteli <sup>2</sup> ; Silvia Cannucci <sup>3</sup> ; Amine M. Mahdjoub <sup>4</sup> ; Simon Wentritt <sup>5</sup> ; Project Team EUPHORIA | Insect-mediated biomass and essential nutrient fluxes in a river-floodplain network<br>Tarn Preet Parmar; Sebastian Ayala Clarke; Nadja Heitmann; Janine Rüegg; Dominik Martin-Creuzburg<br>BTU Cottbus-Senftenberg | Praktischer Workshop mit Hands-On Teil/Workshop with hands-on participation (Until 17:00)                                                                                                                          |                                |

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| 15:45 | Zusammenführung von Fernerkundungsdaten mit anderen Datenquellen in operativ nutzbaren Werkzeugen für das Gewässermonitoring<br><i>Kerstin Stelzer; Jorrit Scholze; Yogesh Kumar Baljeet Singh; Pia Laue; Carole Lebreton Brockmann Consult GmbH</i>                                                                                                                                                             | Haupteintragspfad Grundwasser: Hat sich die Phosphor-Belastung des Arendsees in den letzten 15 Jahren verändert?<br><i>Jörg Lewandowski<sup>1</sup>; Mirjam Pfaff<sup>1</sup>; Karin Meinikmann<sup>2</sup>; Michael Hupfer<sup>3</sup></i><br><sup>1</sup> IGB & HU Berlin; <sup>2</sup> IGB; <sup>3</sup> IGB & BTU | Underwater in 3D: Structure from Motion photogrammetry for submerged macrophyte mapping<br><i>Johannes Antenor Senn</i>                                                                                                                               | Species-specific aquatic habitat use predicts pesticide residues in feces of insectivorous birds and bats<br><i>Kristin Scharnweber<sup>1</sup>; Kathrin Fisch; Dominik Martin-Creuzburg; Marit Kelling; Tarn Parmar; Marius Grabow; Wiebke Ullmann; Stefan Lorenz</i><br><sup>1</sup> Universität zu Köln     |                                                                                                                                                                                                   |                                       |
|       | <b>S14/16</b><br><b>Fortsetzung / Continued</b><br><i>Mod.: Lena Heinrich, Tom Shatwell, Kerstin Stelzer, Gabriele Packroff, Issa Hansen</i>                                                                                                                                                                                                                                                                     | <b>A07</b><br><b>Fortsetzung / Continued</b><br><i>Mod.: Erika Freemann, Maximilian Lau</i>                                                                                                                                                                                                                           | <b>S02</b><br><b>Fortsetzung / Continued</b><br><i>Mod.: Anne Lewerentz, Sabine Hilt, Klaus van den Weyer</i>                                                                                                                                         | <b>S09</b><br><b>Kleine Standgewässer im Fokus: Schutz, Wiederherstellung und Neuanlage – Aktuelle Trends in Praxis und Forschung / Small standing water bodies in focus: Protection, restoration and creation – current trends in practice and research</b><br><i>Mod.: Marlene Pätzig, Andreas Kronshage</i> | <b>S13</b><br><b>Fortsetzung / Continued</b><br><i>Mod.: Merret Boorman, Afroditi Grigoropolou, Vanessa Bremerich, Thomas Tomiczek, Jaime Garcia-Marquez, Yusdiel Torres-Cambas, Sami Domisch</i> | <b>WRHC</b><br><b>Closing remarks</b> |
| 16:00 | Innovative Methoden für ein integriertes Phytoplankton-Monitoring: Ergebnisse aus 30 Jahren Datenerfassung und neue Entwicklungen an der BfG<br><i>Julia Kleinteich<sup>1</sup>; Björn Baschek<sup>1</sup>; Bank Beszteri<sup>2</sup>; Tobias Brehm<sup>1</sup>; Hanna Hartenfels<sup>1</sup>; Marco Herrmann<sup>1</sup>; Franziska Klotz<sup>1</sup>; Sascha Krennek<sup>1</sup>; Joana Thiel<sup>1</sup>;</i> | Freisetzung von Phosphor und H <sub>2</sub> S aus aeroben Sedimenten in einem Chara-See. Wirkungen und kausale Zuordnung.<br><i>Christiane Krambeck<sup>1</sup>; Henning Thiessen<sup>2</sup></i><br><sup>1</sup> Plön; <sup>2</sup> Bellin                                                                           | Der Makrophytentemperaturindex (MTI) für den deutschen Raum<br><i>Jens Pätzolt<sup>1</sup>; Klaus van de Weyer<sup>2</sup>; Doris Stelzer<sup>3</sup></i><br><sup>1</sup> Jens Pätzolt - UmweltSoft; <sup>2</sup> lanaplan GbR; <sup>3</sup> FloraLim | Kleine Gewässer, große Bedeutung: Schutz und nachhaltige Nutzung von Kleingewässern<br><i>Miene Gastinger; Jens Arle; Jeanette Völker Umweltbundesamt (UBA)</i>                                                                                                                                                | Praktischer Workshop mit Hands-On Teil/Workshop with hands-on participation (Until 17:00)                                                                                                         |                                       |

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|       | Alexander Zavarsky <sup>1</sup> ; Helmut Fischer<br><sup>1</sup> BfG; <sup>2</sup> Univ. Duisburg-Essen                                                                                                                                                                               |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 16:15 | Process-guided AI for forecasting algal bloom-risk states across shallow lakes and stratified reservoirs<br>Guining Wei <sup>1</sup> ; Stefan Norra; Lena Heinrich; Ilhem Ben Maiz; Gabriele Packroff <sup>2</sup><br><sup>1</sup> Universität; <sup>2</sup> Wahnachtalsperrenverband | Biologisch-verfahrenstechnische Behandlung organischer belasteter Stillgewässer: Erkenntnisse aus Teichkläranlagen als limnologische Extremgewässer<br>Uwe E. Nimmrichter<br>BluePlanet Germany GmbH                                                                                         | Temperaturindex im Praxistest: Können Makrophyten klimatische Trends abbilden?<br>Doris Stelzer <sup>1</sup> ; Klaus van de Weyer <sup>2</sup> ; Jens Pätzolt <sup>3</sup><br><sup>1</sup> FloraLim; <sup>2</sup> Ianaplan GbR; <sup>3</sup> UmweltSoft | Wie lassen sich die Auswirkungen von Pflanzenschutzmitteln auf die Vielfalt benthischer Wirbelloser in landwirtschaftlich beeinflussten Kleingewässern realistisch bewerten?<br>Stefan Lorenz <sup>1</sup> ; Holly Lyon Blevins <sup>1</sup> ; Marlen Heinz <sup>1</sup> ; Fee Nanett Trau <sup>1</sup> ; Kathrin Fische <sup>1</sup> ; Lena Charlotte Ruf <sup>2</sup><br><sup>1</sup> Julius Kühn Institut; <sup>2</sup> UFZ |  |
| 16:30 | Digitale, Vernetzte und Interaktive Wasserqualitätsüberwachung<br>Markus Funke <sup>1</sup> ; Gabriele Packroff <sup>2</sup> ; Timo Pilger <sup>2</sup> ; Lorenz Treitler <sup>1</sup><br><sup>1</sup> Sydro Consult GmbH; <sup>2</sup> Wahnachtalsperrenverband                      | Impacts of Phosphorus Removal on Greenhouse Gas Emissions in a Lake System<br>Frederik Lemke <sup>1</sup> ; Zeli Tan; Parvathi Ramaswami; Ferdi L. Hellweger<br><sup>1</sup> TU Berlin                                                                                                       | Kleine Seen, große Bedeutung – Degradation und Entwicklungspotential von zwei natürlichen Weichwasserseen in Niedersachsen<br>Svenja Agethen; <u>Thomas Walter</u> ; Katharina Ludwig; Tim Epe<br>Institut Dr. Nowak                                    | Die Sächsische Teichwirtschaft als Hotspot der Artenvielfalt: Spannungsfeld zwischen Wirtschaftlichkeit, Naturschutz und Klimawandel<br>Annekatrien Wagner; Christoph Köbsch; Carolin Dittrich; Thomas Berendonk<br>TU Dresden                                                                                                                                                                                                 |  |
| 16:45 | N and P concentrations: how low to go for mitigating cyanobacterial blooms<br>Ingrid Chorus<br>IGB Berlin                                                                                                                                                                             | Biogeochemical processes and benthic fluxes of DIC, nutrients (P, Si), major- and trace- elements in surface sediments of the Laacher See<br>Patricia Roeser <sup>1</sup> ; Anna Jentsch; Stijn Albers; Marc de Batist; Christian März; Michael E. Böttcher<br><sup>1</sup> Universität Bonn | Viel Platz für Neophyten – <i>Elodea nuttallii</i> hat den frisch gefluteten Cottbuser Ostsee erobert<br>Jacqueline Rücker; Dominik Martin-Creuzburg; Dieter Leßmann<br>BTU Cottbus-Senftenberg                                                         | Kleingewässer im Fokus: Nationale Initiativen und (inter)nationale Vernetzung<br>Marlene Pätzig <sup>1</sup> ; Andreas Kronshage <sup>2</sup> ; Finn Viehberg <sup>3</sup><br><sup>1</sup> Kleingewässer-Netzwerk / EPCN Germany; <sup>2</sup> LWL-Museum für Naturkunde; <sup>3</sup> WWF Deutschland                                                                                                                         |  |
| 17:00 |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                              | Handlungsempfehlungen zur natürlichen Wiederausiedlung von Armleuchteralgen in Hartwasserseen<br>Sabine Hilt <sup>1</sup> ; Rüdiger Mauersberger <sup>2</sup> ; Uta Müller <sup>1</sup>                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                |  |

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|       |                                      |  | <sup>1</sup> IGB; <sup>2</sup> Förderverein<br>Feldberg-Uckermärkische<br>Seenlandschaft e.V. |  |  |
| 17:00 | Pause / break                        |  |                                                                                               |  |  |
| 17:15 | DGL-Mitgliederversammlung (HS 0/115) |  |                                                                                               |  |  |

## Mittwoch, 16. September 2026

| Uhrzeit /<br>Raum | HS 0/115                                                                                                                 |                                                                                                                                                                                                           |                                                                                       |                                                                                                                                                                                     |                                                                                                 |
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|                   | <b>Schwoerbel-Benndorf-Nachwuchspreis der DGL</b><br><i>Moderation: Dominik Martin-Creuzburg, Markus Weitere</i>         |                                                                                                                                                                                                           |                                                                                       |                                                                                                                                                                                     |                                                                                                 |
| 09:00             | Titel<br>Name                                                                                                            |                                                                                                                                                                                                           |                                                                                       |                                                                                                                                                                                     |                                                                                                 |
| 09:40             | Titel<br>Name                                                                                                            |                                                                                                                                                                                                           |                                                                                       |                                                                                                                                                                                     |                                                                                                 |
| 10:20             | Titel<br>Name                                                                                                            |                                                                                                                                                                                                           |                                                                                       |                                                                                                                                                                                     |                                                                                                 |
| 11:00             | Kaffeepause / Coffee break                                                                                               |                                                                                                                                                                                                           |                                                                                       |                                                                                                                                                                                     |                                                                                                 |
|                   | HS 0/115                                                                                                                 | HS 0/307                                                                                                                                                                                                  | HS 0/310                                                                              | HS 0/311                                                                                                                                                                            | HS 0/313                                                                                        |
|                   | <b>A05</b><br><b>Multiple Stressoren /<br/>Multiple stressors</b><br><i>Mod.: Mechthild Schmitt,<br/>Jörg Lewandoski</i> | <b>S08</b><br><b>Nutzung von Gewässern zur<br/>Gewinnung erneuerbarer<br/>Energien / Use of surface<br/>waters for renewable energy<br/>production</b><br><i>Mod.: Dieter Lessmann,<br/>Karsten Rinke</i> | <b>S20</b><br><b>Workshop Umweltpolitik</b><br><i>Mod.: Ralf Köhler, Martin Pusch</i> | <b>S15</b><br><b>Ökologische Modellierung in<br/>Süßwasserökosystemen /<br/>Ecological modelling in<br/>freshwater ecosystems</b><br><i>Mod.: Sami Domisch,<br/>Nele Schuhwirth</i> | <b>A09</b><br><b>Langzeitmonitoring /<br/>Long-term monitoring</b><br><i>Mod.: Tom Shatwell</i> |
| 11:30             | How well can chemical effects on D. magna population dynamics be predicted in complex environ-                           | Thermische Nutzung von Gewässern zur Wärmeengewinnung und schwimmende                                                                                                                                     | Workshop Umweltpolitik                                                                | From data pipelines to global freshwater habitat clusters and why scale matters                                                                                                     | Trends in Stetigkeiten und Biomassen von EPT-Taxa in                                            |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                               |
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|       | <p>ments? - a mesocosm case study on mechanistic and mixture models</p> <p>Franz Marius Schmitt<sup>1</sup>; Emma Jenny<sup>2</sup>; Dirk de Leijer<sup>3</sup>; Apurva Bhatkhande<sup>3</sup>; Yomali Shehara<sup>3</sup>; Nina Cedergreen<sup>2</sup>; Gudrun de Boeck<sup>3</sup>; Ronny Blust<sup>3</sup>; Karel de Schampelaere<sup>1</sup>; Raewyn Town</p> <p><sup>1</sup> Ghent University; <sup>2</sup> University of Copenhagen; <sup>3</sup> University of Antwerp</p> | <p>Photovoltaikanlagen: Aspekte des Einflusses auf die Gewässerökologie</p> <p>Dieter Leßmann<sup>1</sup>; Ursula Riedmüller<sup>2</sup>; Stefan Christopher<sup>3</sup>; Sebastian Mix<sup>4</sup></p> <p><sup>1</sup> BTU Cottbus-Senftenberg; <sup>2</sup> Büro für Nutzung und Ökologie von Binnengewässern; <sup>3</sup> BTU / HNE Eberswalde; <sup>4</sup> Privates Institut für Wasser und Boden GmbH</p> |  | <p>Marlene Schürz<sup>1</sup>; Afroditi Grigoropoulou<sup>2</sup>; Jaime Ricardo Garcia Marquez<sup>2</sup>; Thomas Tomiczek; Mathieu Floury<sup>3</sup>; Christoph Schürz<sup>4</sup>; Giuseppe Amatulli<sup>5</sup>; Sami Domisch<sup>2</sup></p> <p><sup>1</sup> BOKU Wien; <sup>2</sup> IGB; <sup>3</sup> Université Claude Bernard Lyon; <sup>4</sup> Umweltbundesamt; <sup>5</sup> Yale School of the Environment</p> | <p>Brandenburg seit 2004: Diversität im Wandel</p> <p>Claus Orendt</p> <p>Orendt Hydrobiologie</p>                                                                                                                                                                            |
| 11:45 | <p>Food webs with high zooplankton turnover are less stable: a 24-year mechanistic analysis</p> <p>Marvin Mayerhofer<sup>1</sup>; Sabine Hilt<sup>2</sup>; Ferdi L. Hellweger<sup>1</sup></p> <p><sup>1</sup> TU Berlin; <sup>2</sup> IGB Berlin</p>                                                                                                                                                                                                                              | <p>Gewässer als Wärmequelle nutzen</p> <p>Karsten Rinke<sup>1</sup>; Taynara Fernandes<sup>1</sup>; Bertram Boehrer<sup>1</sup>; Rohini Kumar<sup>1</sup>; Paula Oberfeier<sup>2</sup>; Axel Olivia<sup>2</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup> Fraunhofer-Institut für Solare Energiesysteme ISE</p>                                                                                                       |  | <p>From species occurrences to environmental drivers: building a biogeographic baseline for amphibian conservation in the Western Balkans</p> <p>Kristi Bego; Sami Domisch; Thomas Tomiczek; Afroditi Grigoropoulou IGB</p>                                                                                                                                                                                                 | <p>Von der Invasionsfront zur Etablierung: Fortschreiten der Schwarzmundgrundelinvasion und Populationsentwicklung entlang eines Invasionsgradienten in der oberen Donau</p> <p>Melina Klarl; Joachim Pander; Jörg Brandner; Alexander Cerwenka; Jürgen Geist</p>             |
| 12:00 | <p>Light and noise pollution: testing combined effects on zooplankton vertical distribution</p> <p>Ashton Laura Dickerson<sup>1</sup>; James Campbell<sup>1</sup>; Andreas Jechow<sup>2</sup>; Jens Christian Nejstgaard<sup>1</sup>; Franz Hölker<sup>1</sup></p> <p><sup>1</sup> IGB; <sup>2</sup> Brandenburg University of Applied Sciences</p>                                                                                                                               | <p>Methodische Ansätze zur Ermittlung des thermischen Potentials von Seen</p> <p>Sebastian Mix; Wilfried Uhlmann; Kai Zimmermann</p> <p>IWB - Privates Institut für Wasser und Boden GmbH</p>                                                                                                                                                                                                                    |  | <p>200 years of river engineering and the development of functional meta-ecosystem resilience and connectivity</p> <p>Johannes Kowal; Sarah Gross; Gertrud Haidvogel; Thomas Hein; Severin Hohensinner; Andrea Funk</p> <p>BOKU Wien</p>                                                                                                                                                                                    | <p>Ökologische Indikatoren zur Bewertung des Langzeiterfolgs von Auenrenaturierungen am Beispiel der oberen Donau</p> <p>Elisabeth Winter; Joachim Pander; Jürgen Geist</p> <p>TU München</p>                                                                                 |
| 12:15 | <p>Who, how many and what size? – Assessing the effects of multiple stressors on abundance, size and biomass of stream macroinvertebrate species by combining DNA megabarcoding and automated imaging</p> <p>Philipp M. Rehsen; Iris Madge Pimentel; Florian Leese; Arne Beermann</p> <p>Universität Duisburg-Essen</p>                                                                                                                                                           | <p>Integrating thermal exchange into the General Lake Model (GLM)</p> <p>Taynara Fernandes<sup>1</sup>; Matthew Hipsey<sup>2</sup>; Laura Soares<sup>1</sup>; Bertram Boehrer<sup>1</sup>; Karsten Rinke<sup>1</sup></p> <p><sup>1</sup> UFZ; <sup>2</sup> University of Western Australia (UWA)</p>                                                                                                             |  | <p>Impacts of disconnected stream networks on the ecological niche of fish species under global change scenarios</p> <p>Jaime Garcia Marquez<sup>1</sup>; Emilio Politti<sup>2</sup>; Silvia Artuso<sup>2</sup>; Sami Domisch<sup>1</sup></p> <p><sup>1</sup> IGB; <sup>2</sup> International Institute for Applied Systems Analysis (IIASA)</p>                                                                            | <p>Veränderungen und Dynamiken der Wasserqualität des Ems Ästuars gewonnen aus über ein Jahrzehnt Langzeitdaten</p> <p>Lorenzo Rovelli; Anjela L. Vogel; Andreas Schöl; Christine Borgsmüller; Helmut Fischer; Annika Fiskal</p> <p>Bundesanstalt für Gewässerkunde (BfG)</p> |
| 12:30 | <p>Sediment–insecticide interactions shape molecular and community</p>                                                                                                                                                                                                                                                                                                                                                                                                            | <p>Konzeption und erste Ergebnisse des gewässerökologischen</p>                                                                                                                                                                                                                                                                                                                                                  |  | <p>Bridging Ecological Narratives and Quantitative Prediction Through</p>                                                                                                                                                                                                                                                                                                                                                   | <p>Der „Thermorüssel“: Vom Ende des ewigen Winters in der Dhünn</p>                                                                                                                                                                                                           |

|       |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                             |                                                                                                                                            |                                                                                                              |
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|       | <b>responses in freshwater invertebrates</b><br><i>Iris Madge Pimentel<sup>1</sup>; Marie V. Brasseur<sup>2</sup>; Dominik Buchner<sup>3</sup>; Christoph Mayer<sup>4</sup>; Florian Leese<sup>1</sup></i><br><sup>1</sup> Univ. of Duisburg-Essen/ZWU;<br><sup>2</sup> LIB/Univ. of Duisburg-Essen;<br><sup>3</sup> University of Duisburg-Essen; <sup>4</sup> LIB | <b>Monitorings im Flussthermie-Projekt AQVA HEAT Zittau</b><br><i>Mathias Safarik<sup>1</sup>; Thomas Gubsch<sup>2</sup>; Clemens Schneider<sup>3</sup></i><br><sup>1</sup> Institut für Luft- und Kältetechnik gGmbH Dresden; <sup>2</sup> Hochschule Zittau/Görlitz; <sup>3</sup> Fraunhofer IEG                                                                                                                             |                                                                                                                                                             | <b>Meta-Analysis and Probabilistic Networks</b><br><i>Willem Kaijser</i><br>Universität Duisburg-Essen                                     | <i>Katharina Rettig; Marlene Liebeskind; Andrea van den Boom; Patrick Heibüchel</i><br>Wupperverband         |
| 12:45 |                                                                                                                                                                                                                                                                                                                                                                     | <b>Naturschutzfachliche Auswirkungen von schwimmenden PV-Anlagen auf Stillgewässer</b><br><i>Katja Bunzel<sup>1</sup>; Conny Mehl<sup>2</sup>; Konstantin Ilgen<sup>3</sup>; Dr. Klaus van de Weyer<sup>4</sup>; Eberhard Hoehn<sup>5</sup>; Stephan Hilgert<sup>6</sup>; Dietmar Mehl</i><br><sup>1</sup> BfN; <sup>2</sup> biota; <sup>3</sup> Fraunhofer ISE; <sup>4</sup> lanaplan; <sup>5</sup> LBH; <sup>6</sup> Limknow |                                                                                                                                                             |                                                                                                                                            |                                                                                                              |
| 12:45 | Mittagspause / Lunchbreak                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                             |                                                                                                                                            |                                                                                                              |
| 13:45 | <b>Plenarvortrag (HS 0/115)</b><br>Lessons from the past for the future: 40 years of compiling and analysing data from Lake Constance and other lakes<br><i>Ursula Gaedke (Universität Potsdam)</i><br>Moderation: Sabine Hilt                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                             |                                                                                                                                            |                                                                                                              |
|       | HS 0/115                                                                                                                                                                                                                                                                                                                                                            | HS 0/307                                                                                                                                                                                                                                                                                                                                                                                                                       | HS 0/310                                                                                                                                                    | HS 0/311                                                                                                                                   | HS 0/313                                                                                                     |
|       | <b>A05</b><br><b>Multiple Stressoren / Multiple stressors</b><br><i>Mod.: Mechthild Schmitt, Jörg Lewandowski</i>                                                                                                                                                                                                                                                   | <b>S08</b><br><b>Nutzung von Gewässern zur Gewinnung erneuerbarer Energien / Use of surface waters for renewable energy production</b><br><i>Mod.: Dieter Lessmann, Karsten Rinke</i>                                                                                                                                                                                                                                          | <b>S17</b><br><b>Zooplankton im Gewässer-monitoring - Wie geht's weiter? / Zooplankton in water monitoring – what's next?</b><br><i>Mod.: Rainer Deneke</i> | <b>S11</b><br><b>Auen in Forschung und Praxis / Floodplains in research and practice</b><br><i>Mod.: Kathrin Januschke, Mathias Scholz</i> | <b>S21</b><br><b>Workshop Karriere</b><br><i>Mod. Julia Pasqualini, Anna Oprei, Lena Ruf, Simon Wentritt</i> |
| 14:45 | Trace organic contaminants in dynamic urban sand-bed streams with migrating bedforms                                                                                                                                                                                                                                                                                | Modellierung des Einflusses schwimmender Photovoltaik-anlagen (FPV) auf eine Kiesgrube am Niederrhein                                                                                                                                                                                                                                                                                                                          | Zooplankton als integrative Biokomponente im Ökosystem-Monitoring der Zukunft<br><i>Rainer Deneke</i><br>=>zooplankton.eu<                                  | Hydrological Connectivity Structures Taxonomic and Functional Diversity in Floodplain Ecosystems                                           |                                                                                                              |

|       |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                |
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|       | <p><i>Alejandra Villa<sup>1</sup>, Jörg Lewandowski<sup>1,3</sup>, Shai Arnon<sup>2</sup>, Josephina Neumann<sup>1</sup>, Stephanie Spahr<sup>1</sup></i><br/> <sup>1</sup> IGB Berlin, <sup>2</sup> Ben-Gurion University, Israel.; <sup>3</sup> Humboldt Universität Berlin</p>                                                                        | <p><i>Tido Strauß; Natalie Albrecht; Ramona Winkens; Eva-Maria Teggers; Monika Hammers-Wirtz</i><br/> <i>gaia - Forschungsinstitut für Ökosystemanalyse und -bewertung e.V.</i></p>                                                      |                                                                                                                                                                                                                                                                                                                                                                        | <p><i>Tobias Nickel<sup>1</sup>; Marayke Schreier<sup>2</sup>; Alexandra Schönle<sup>1</sup>; Markus Weitere<sup>3</sup>; Mario Brauns<sup>3</sup>; Ann-Marie Waldvogel<sup>1</sup>; Patrick Fink<sup>2</sup></i><br/> <sup>1</sup> TUM; <sup>2</sup> Universität zu Köln; <sup>3</sup> UFZ</p>                                                                                                                                                  |                                                                                                                                |
| 15:00 | <p>Pilotstudie „Kleingewässermonitoring“ – Was sagt der Datensatz über die Belastungssituation von Fließgewässern in der Agrarlandschaft aus?<br/> <i>Sophia Müllner<sup>1</sup>; Oliver Körner<sup>2</sup>; Carola Schriever<sup>3</sup></i><br/> <sup>1</sup> Industrieverband Agrar e. V.; <sup>2</sup> Adama Deutschland GmbH; <sup>3</sup> BASF</p> | <p>Beeinflussung der Phytoplanktonzönose in Seen durch schwimmende Photovoltaikanlagen<br/> <i>Stefan Christopher<sup>1</sup>; Dieter Leßmann<sup>2</sup></i><br/> <sup>1</sup> HNE Eberswalde; <sup>2</sup> BTU Cottbus-Senftenberg</p> | <p>Automatisierte Analyse von Zooplankton in Binnengewässern mittels künstlicher Intelligenz<br/> <i>Dennis Sidin<sup>1</sup>; André Wizemann<sup>2</sup>; Erik Zschaubitz<sup>1</sup>; Stefan Sandrock<sup>2</sup>; Matthias Vahl<sup>1</sup></i><br/> <sup>1</sup> Fraunhofer Institut für graphische Datenverarbeitung (IGD) Rostock; <sup>2</sup> bioplan GmbH</p> | <p>Populationskonnektivität limnophiler Fische in Flusslandschaften: Eine Studie aus dem Vjosa-Wildfluss-Nationalpark<br/> <i>Dominik von Spinn<sup>1</sup>; Paul Meulenbroek<sup>1</sup>; Manuel Curto<sup>1</sup>; Spase Shumka<sup>2</sup>; Friedrich Schiemer<sup>3</sup>; Thomas Hein<sup>1</sup>; Harald Meimberg<sup>1</sup></i><br/> <sup>1</sup> BOKU University Vienna; <sup>2</sup> University of Tirana; <sup>3</sup> Univ. Wien</p> |                                                                                                                                |
|       | <p><b>A05</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Mechthild Schmitt, Jörg Lewandowski</i></p>                                                                                                                                                                                                                                              | <p><b>S15</b><br/> <b>Ökologische Modellierung in Süßwasserökosystemen / Ecological modelling in freshwater ecosystems</b><br/> <i>Mod.: Sami Domisch, Nele Schuhwirth</i></p>                                                           | <p><b>S17</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Rainer Deneke</i></p>                                                                                                                                                                                                                                                                                  | <p><b>S11</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Kathrin Januschke, Mathias Scholz</i></p>                                                                                                                                                                                                                                                                                                                                        | <p><b>S21</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod. Julia Pasqualini, Anna Oprei, Lena Ruf, Simon Wentrutt</i></p>  |
| 15:15 | <p>Diagnosetools zur Ermittlung multipler Stressoren von Fließgewässern und Ableitung geeigneter Maßnahmen<br/> <i>Christian K. Feld<sup>1</sup>; Denise Brettschneider<sup>2</sup>; Renate Semmler-Elpers<sup>2</sup></i><br/> <sup>1</sup> Universität Duisburg-Essen; <sup>2</sup> Landesanstalt für Umwelt Baden-Württemberg</p>                     | <p>Vertical dimension of seasonal phytoplankton bloom formation<br/> <i>Arthur F. Rossignol<sup>1</sup>; Sabine Wollrab<sup>2</sup></i><br/> <sup>1</sup> AgroParisTech; <sup>2</sup> IGB</p>                                            | <p>Processing of zooplankton samples in the laboratory for results at significant level<br/> <i>Albert Keim</i><br/> Anglerverein Karlsruhe e. V.</p>                                                                                                                                                                                                                  | <p>Wissenstransfer als Motor für naturnahe Gewässerentwicklung: Chancen der Begleitforschung im Blauen Band Deutschland<br/> <i>Nina Henning; Arne Wick; Carolin Schmidt-Wygasch</i><br/> BfG</p>                                                                                                                                                                                                                                                |                                                                                                                                |
|       | <p><b>S07</b><br/> <b>Plastik und assoziierte Chemikalien in Binnengewässern / Plastics and associated chemicals in inland waters</b><br/> <i>Mod: Friederike Gabel, Katrin Wendt-Potthoff</i></p>                                                                                                                                                       | <p><b>S15</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Sami Domisch, Nele Schuhwirth</i></p>                                                                                                                                    | <p><b>S17</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Rainer Deneke</i></p>                                                                                                                                                                                                                                                                                  | <p><b>S11</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Kathrin Januschke, Mathias Scholz</i></p>                                                                                                                                                                                                                                                                                                                                        | <p><b>S21</b><br/> <b>Fortsetzung / Continued</b><br/> <i>Mod.: Julia Pasqualini, Anna Oprei, Lena Ruf, Simon Wentrutt</i></p> |

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| 15:30 | <p>Fate and recovery of polyamide microplastics in the sediments of an aquatic outdoor enclosure mesocosm experiment</p> <p>Katrin Wendt-Potthoff<sup>1</sup>; Sara Arshad<sup>1</sup>; Lukas Kruckenfellner<sup>2</sup>; Peter Ebke<sup>2</sup>; Siqi Wu<sup>1</sup>; Alexander Böhme<sup>1</sup>; Burkhard W. Scharf; Susanne Dunker<sup>1</sup></p> <p><sup>1</sup>UFZ; <sup>2</sup>Mesocosm GmbH</p> | <p>Predictability of the vertical chlorophyll distribution in Saldenbach Reservoir with machine learning models</p> <p>Mihaela Borota<sup>1</sup>; Thomas Petzoldt<sup>2</sup>; Vasile Mircea Cristea<sup>3</sup></p> <p><sup>1</sup>TU Dresden; <sup>2</sup>TU Dresden; <sup>3</sup>Babes-Bolyai University</p>                | <p>Zooplankton in bayerischen Seen - Analysen mit PhytoLoss</p> <p>Ute Mischke<sup>1</sup>; Rainer Deneke<sup>2</sup>; Harald Morscheid<sup>1</sup></p> <p><sup>1</sup>LfU Bayern; <sup>2</sup>=&gt;zooplankton.eu&lt;</p>                                                | <p>Biozönotische Erfolgskontrolle von Renaturierungen in Flussauen – Auf der Zielgeraden zu einem praxistauglichen Verfahren</p> <p>Kathrin Januschke<sup>1</sup>; Friedrich Darnstaedt; Klaus Groh; Georg Rieland; Mathias Scholz; Barbara Stammel; Veronika Ullmann; Robert Vogl; Cornelia Sophie Wagner; Daniel Hering</p> <p><sup>1</sup>Universität Duisburg-Essen</p> |  |
| 15:45 | <p>Invasive clam Corbicula sp. as a bioindicator for microplastic concentrations in the final effluents of wastewater treatment plants</p> <p>Hedda L. Müller; Friederike Gabel</p> <p>Institut für Landschaftsökologie, Universität Münster</p>                                                                                                                                                         | <p>Mechanistic modeling of cyanobacteria ecology and cyanotoxin production in Lake Mendota</p> <p>Pablo Barrancos Garrigós<sup>1</sup>; Katherine McMahon<sup>2</sup>; Todd Miller<sup>2</sup>; Lucas Beversdorf<sup>3</sup>; Ferdi Hellweger<sup>1</sup></p> <p><sup>1</sup>TU Berlin; <sup>2</sup>University of Wisconsin</p> | <p>Nationale Erhebung der Biodiversität und Ökosystemleistungen von 240 Schweizer Seen</p> <p>Danina Schmidt</p> <p>EAWAG, Schweiz</p>                                                                                                                                    | <p>Laufkäfer als Bioindikatoren für Flussauen – BioAu-Methodentest und Zustandsbewertung am Beispiel der Ruhr und der Oder</p> <p>Corina Bruckmann<sup>1</sup>; Kathrin Januschke; Ramona Braun</p> <p><sup>1</sup>Universität Duisburg-Essen</p>                                                                                                                           |  |
| 16:00 | <p>Erhöhte Zinkkonzentrationen und reduzierte Lebensdauer - Effekte von Reifenabrieb auf <i>Gammarus pulex</i></p> <p>Friederike Gabel; Elena Lepping; Hedda Lil Müller; Ben Schlücking</p> <p>Universität Münster</p>                                                                                                                                                                                   | <p>Quantifying costs and benefits of nitrogen fixation in freshwater Nostocales using mechanistic modeling</p> <p>Mariano Santoro; Ferdi Hellweger</p> <p>TU Berlin</p>                                                                                                                                                         | <p>Räumliche Heterogenität des Ciliatenplanktons im Bodensees</p> <p>Sabine Schmidt-Halewicz<sup>1</sup>; Luca Schenone<sup>2</sup>; David Schleheck<sup>2</sup>; Dietmar Straile<sup>2</sup></p> <p><sup>1</sup>LimSa Gewässerbüro; <sup>2</sup>Universität Konstanz</p> | <p>Positive Entwicklung der Fischfauna in der renaturierten Lenne im Bereich Hagen (ERKON Lenne 2025-26)</p> <p>Jörg Drewenskus</p> <p>Obere Wasserbehörde - Bezirksregierung Arnsberg</p>                                                                                                                                                                                  |  |
| 16:15 | Kaffeepause / Coffee break                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                             |  |
| 16:45 | <b>Postersession &amp; Arbeitskreise</b>                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                             |  |
| 19:00 | <b>Gesellschaftsabend im pier36ins (Wassersportallee 2, 12527 Berlin-Grünau)</b>                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                             |  |

# Donnerstag, 17. September 2026

| Uhrzeit /<br>Raum | HS                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| 09:00             | <b>Plenarvortrag</b><br>Flussforschung auf großem Maßstab: Impulse für eine engagierte Wissenschaft<br><i>Gabriel Singer (Universität Innsbruck, Österreich)</i><br>Moderation: Anna Oprei                                                                                                      |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                   | HS 0/115                                                                                                                                                                                                                                                                                        | HS 0/307                                                                                                                                                                                                                                                                                                  | HS 0/310                                                                                                                                                                                                                                                                                                                                                                                                              | HS 0/311                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                   | <b>A10</b><br>Herausforderungen in der Gewässer-<br>bewertung: WRRL, Klimawandel,<br>angepasstes Monitoring / Challenges in<br>water body assessment: WFD, climate<br>change, adapted monitoring<br><i>Mod.: Tanja Pottgießer, Gabriele Trommer</i>                                             | <b>A04</b><br>Mikrobielle Ökologie /<br>Microbial ecology<br><i>Mod.: J. Meier, Clara Martinez-Perez</i>                                                                                                                                                                                                  | <b>S05</b><br>Süßwasserfische, Fischerei und<br>Aquakultur im Anthropozän /<br>Freshwater fish, fisheries and<br>aquaculture in the Anthropocene<br><i>Mod.: Tamal Roy, Robert Arlinghaus</i>                                                                                                                                                                                                                         | <b>A09</b><br>Langzeitmonitoring /<br>Long-term monitoring<br><i>Mod.: Tom Shatwell</i>                                                                                                                                                                                                                                                                                                                                                                              |
| 10:00             | Gewässer und Landschaft im Klimawandel: Die<br>klimaresiliente Entwicklung von Fließgewässern und<br>Wasserhaushalt<br><i>Mario Sommerhäuser<sup>1</sup>, Nicolai Bätz<sup>2</sup>, Nadine Gerner<sup>2</sup></i><br><sup>1</sup> Allmende Emscher-Lippe eG, <sup>2</sup> Lippeverband<br>Essen | Functional redundancy is linked to species<br>coexistence and stability in lake microbial<br>communities<br><i>Jason Woodhouse<sup>1</sup>; Hans-Joachim<br/>           Ruscheweyh; Sabine Wollrab; Takeshi Miki;<br/>           Shinichi Sunagawa; Hans-Peter Grossart</i><br><sup>1</sup> IGB           | Funktionale Konnektivität in regulierten<br>Flusssystemen: Saisonale Wanderungen von<br>vier typischen Donaocypriniden<br><i>Michael Grohmann; Jakob Neuburg; Daniel<br/>           Pelz; Stefan Auer; Thomas Hein; Günther<br/>           Unfer</i><br><i>Christian Doppler Laboratory for Meta<br/>           Ecosystem Dynamics in Riverine Landscapes -<br/>           Boku University</i>                        | Satellitenbasiertes Seenmonitoring in Baden-<br>Württemberg – aktueller Stand und weitere<br>Entwicklungen<br><i>Thomas Wolf<sup>1</sup>; Philipp Bauer<sup>2</sup>; Christoph<br/>           Deller<sup>2</sup>; Peter Gege<sup>3</sup>; Stefan Plattner<sup>3</sup>; Kristina<br/>           Popp<sup>4</sup>; Lea Largeteau<sup>3</sup></i><br><sup>1</sup> LUBW; <sup>2</sup> EOMAP a Fugro company; <sup>3</sup> DLR;<br><sup>4</sup> Landratsamt Bodenseekreis |
| 10:15             | Effects of beaver on aquatic<br>macroinvertebrates in freshwater streams of<br>Hesse, Germany<br><i>Alina Bräunig</i><br>Darmstadt                                                                                                                                                              | Seasonal Dynamics of Element Cycles<br>Coupled to the Prokaryotic Community<br>Structure in the Wahnbach Reservoir<br><i>Lea Hahn<sup>1</sup>; Gabriele Packroff<sup>2</sup>; Jutta Meier<sup>1</sup>;<br/>           Werner Manz<sup>1</sup></i><br><sup>1</sup> University of Koblenz; <sup>2</sup> WTV | Assessment of potential host fish species for<br>the thick-shelled river mussel ( <i>Unio crassus</i> )<br><i>Sven Matern<sup>1</sup>, Milosz Anisko<sup>1,2</sup>, Dilara<br/>           Kösker<sup>1,3</sup>, Mirko Lorenz<sup>1,4</sup>, Steffen Zahn<sup>1</sup></i><br><sup>1</sup> PIK Potsdam; <sup>2</sup> Univ. of Potsdam; <sup>3</sup> TU Berlin;<br><sup>4</sup> Osnabrück University of Applied Sciences | Langzeitentwicklung planktischer Blaualgen in<br>einem Flachsee – Wirkungen von<br>Lastreduktion und Schichtungsbedingungen<br><i>Jordan Facey; Tom Shatwell; Jan Köhler</i><br>IGB                                                                                                                                                                                                                                                                                  |
| 10:30             | Vierzig Jahre Monitoring und 16 Jahre<br>Maßnahmen am Altmühlsee und es bleibt viel<br>zu tun<br><i>Gabriele Trommer</i><br>Wasserwirtschaftsamt Ansbach                                                                                                                                        | Contribution of photoheterotrophy to lake's<br>respiration<br><i>Cristian Villena-Aleman; Izabela Mujakic;<br/>           Jianan Ling; Chao Wu; Hans-Peter Grossart</i><br>IGB                                                                                                                            | Monitoring Status and Movement of Fish<br>with Passive Integrated Transponders (PIT<br>Tags)<br><i>Jan Droll; Christoffer Nagel; Joachim Pander;<br/>           Juergen Geist</i><br>TU München                                                                                                                                                                                                                       | Transient stratification and nutrient pulses in<br>a shallow lake<br><i>Jordan Facey<sup>1</sup>; Tallent Dadi<sup>2</sup>; Tom Shatwell<sup>1</sup>;<br/>           Jan Köhler<sup>1</sup></i><br><sup>1</sup> IGB; <sup>2</sup> UFZ                                                                                                                                                                                                                                |

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| 10:45 | Kaffeepause /Coffee break                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                   |
|       | HS 0/115                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HS 0/307                                                                                                                                                                                                                                                                                                                            | HS 0/310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HS 0/311                                                                                                                                                                                                                                                                                                                                          |
|       | <b>A10</b><br>Herausforderungen in der Gewässerbewertung: WRRL, Klimawandel, angepasstes Monitoring / Challenges in water body assessment: WFD, climate change, adapted monitoring<br>Mod.: Tanja Pottgießer, Gabriele Trommer                                                                                                                                                                                                                                     | <b>A04</b><br>Mikrobielle Ökologie / Microbial ecology<br>Mod.: Jutta Meier, Clara Martinez-Perez                                                                                                                                                                                                                                   | <b>S05</b><br>Süßwasserfische, Fischerei und Aquakultur im Anthropozän / Freshwater fish, fisheries and aquaculture in the Anthropocene<br>Mod.: Tamal Roy, Robert Arlinghaus                                                                                                                                                                                                                                                                                                                               | <b>A08</b><br>Urbane und erheblich veränderte Gewässer / Urban and heavily modified water bodies<br>Mod.: Maria Warter                                                                                                                                                                                                                            |
| 11:15 | Vergleich von Satellitendaten und in situ-Messwerten für das Gewässermonitoring ausgewählter Seen in Bayern<br>Felix Weber; Harald Morscheid<br>Bayerisches Landesamt für Umwelt                                                                                                                                                                                                                                                                                   | Varying microbial energy availability shapes phosphorus and carbon metabolic potential of stream biofilms in a mesocosm experiment<br>S. Wentritt <sup>1</sup> , M. Weitere <sup>1</sup> , D. Kneis <sup>2</sup> , N. Perujo <sup>1,3</sup><br><sup>1</sup> UFZ; <sup>2</sup> TU Dresden; <sup>3</sup> Universitat de Girona, GRECO | Culture, context and fish length drive catch-and-release behaviour of German anglers<br>Robert Arlinghaus <sup>1</sup> ; Max Birdsong <sup>2</sup><br><sup>1</sup> IGB; <sup>2</sup> Institut für Binnenfischerei e.V. Potsdam-Sacrow                                                                                                                                                                                                                                                                       | Rethinking the Night: Protecting Freshwater Biodiversity from Light Pollution<br>Franz Hölker <sup>1</sup> ; Alessandro Manfrin <sup>2</sup> ; Sibylle Schroer <sup>1</sup> ; Benedikt Huggins; Andreas Jechow <sup>3</sup><br><sup>1</sup> IGB; <sup>2</sup> RPTU Kaiserslautern-Landau; <sup>3</sup> Brandenburg University of Applied Sciences |
| 11:30 | Qualitätskontrolle im DNA-Metabarcoding: Referenzmaterialien für benthische Wirbellose<br>Jannis Budke; Dominik Buchner; Florian Leese<br>Universität Duisburg-Essen                                                                                                                                                                                                                                                                                               | Microcystis blooms in the river Moselle: dynamics, diversity and microbial interactions<br>Hanna Hartenfels; Franziska Klotz; Joana Thiel; Andreas Breidenbach; Sascha Krenek; Julia Kleinteich<br>BfG                                                                                                                              | Overfishing due to fish learning: Impacts of catch-and-release angling on behavior towards lures in two freshwater predators in the wild<br>Ryo Futamura <sup>1</sup> ; Tammo Steinke <sup>2</sup> ; Maximilian Roederer <sup>3</sup> ; Henrik Baktoft <sup>4</sup> ; David James <sup>1</sup> ; Robert Arlinghaus <sup>5</sup><br><sup>1</sup> IGB Berlin; <sup>2</sup> TU Berlin; <sup>3</sup> Univ Potsdam; <sup>4</sup> DTU Aqua - Technical University of Denmark; <sup>5</sup> IGB Berlin / HU Berlin | Identifying dispersal barriers through population genetic patterns in freshwater macroinvertebrates<br>Damian Biehs; Lara Lausch; Christian K. Feld<br>Universität Duisburg-Essen                                                                                                                                                                 |
| 11:45 | Improving European biodiversity research – diatom digital imaging in DNAqualMG<br>Michael Kloster <sup>1</sup> ; Dina Abdelmguid <sup>1</sup> ; Andrea Burfeid Castellanos <sup>1</sup> ; Benoit Paix <sup>2</sup> ; Maxime Beauvais <sup>2</sup> ; Frédéric Rimet <sup>2</sup> ; Maria Kahlert <sup>3</sup> ; Bánk Beszteri <sup>1</sup><br><sup>1</sup> Universität Duisburg-Essen; <sup>2</sup> INRAE; <sup>3</sup> Swedish University of Agricultural Sciences | Hidden enemies of phytoplankton blooms: Parasite-mediated control of diatoms and cyanobacteria in the River Moselle<br>Kenneth Dumack <sup>1</sup> ; Julia Kleinteich; Sascha Krenek; Marie Hopp; Alexandra Schüller<br><sup>1</sup> University Koblenz                                                                             | Fisheries-induced evolutionary changes in the brain and cognition related to catchability in an experimentally harvested zebrafish (Danio rerio) model<br>Tamal Roy <sup>1</sup> ; Valentin Lecheval <sup>2</sup> ; Jonas Häusler <sup>3</sup> ; Pavel Němec <sup>4</sup> ; Pawel Romanczuk <sup>2</sup> ; Robert Arlinghaus <sup>1</sup><br><sup>1</sup> IGB; <sup>2</sup> HU Berlin; <sup>3</sup> FU Berlin; <sup>4</sup> Charles University in Prague                                                    | Case Study Emscher: Recovery patterns of Macroinvertebrates after a century of severe pollution<br>Pia Knobloch; Daniel Hering; Armin Lorenz<br>Duisburg Essen University // Centre for Water and Environmental Research (ZWU)                                                                                                                    |

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| 12:00 | <p>Schwimmende Malaissefallen zur Erfassung der Insektendiversität aquatischer und semiaquatischer Lebensräume<br/> <i>Carmen Gallas; Martin Sorg<sup>1</sup>; Thomas Hören<sup>2</sup></i><br/> <sup>1</sup>Entomologischer Verein Krefeld e. V.; <sup>2</sup>Entomologischer Verein Krefeld e. V. und Universität Duisburg-Essen</p> | <p>From Fish Mucus to Vector Control: Uncovering Microbial VOCs that Repel Mosquito Oviposition<br/> <i>Edda Probst; Eric von Elert</i><br/>                     University of Cologne</p> | <p>Wasser- und Nährstoffhaushalt bewirtschafteter Karpfenteiche – Implikationen für Management und Ökosystemleistungen<br/> <i>Philipp Czapl<sup>1</sup>; Robert Seeger; Sven Matern<sup>1</sup>; Michael Pietrock<sup>1</sup>; Andreas Müller-Belecke<sup>1</sup>; Uwe Brämick<sup>1</sup></i><br/> <sup>1</sup>Institut für Binnenfischerei e.V. Potsdam-Sacrow</p> | <p>Restaurierung und Management von Kieslaichplätzen in hochgradig veränderten alpinen Flüssen: Substratqualität vs. Substratstabilität<br/> <i>Julius Gorenz; Elisabeth Winter; Joachim Pander; Jürgen Geist</i><br/>                     Technische Universität München</p> |
| 12:15 | <p>Neue Methode für räumlich-dreidimensionale Temperaturmessungen in Flüssen und Bächen<br/> <i>Johannes Kuhn<sup>1</sup>; Laura Kirsten<sup>1</sup>; Joachim Pander<sup>1</sup>; Jürgen Geist</i><br/> <sup>1</sup>Technische Universität München</p>                                                                                 | <p>Turbulence in the sediment: do ciliates react on impact by trawl fishing?<br/> <i>Anja Scherwaß; Hartmut Arndt</i><br/>                     Universität zu Köln</p>                     | <p>AI-based eel detection with low-cost sonar systems for hydropower management // KI-gestützte Aalerkennung mit kostengünstigen Sonarsystemen für das Wasserkraftmanagement<br/> <i>Stefan Stoll</i><br/>                     Hochschule Trier - Trier University of Applied Sciences</p>                                                                            | <p>Smooth-coated Otters of Singapore – population ecology and implications for wildlife management<br/> <i>Christina C. Belle</i><br/>                     Technical University of Munich</p>                                                                                 |
| 12:30 | Abschlussplenum, Posterpreisvergabe etc.                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                               |
| 14:00 | Exkursion E1: Technische Denkmale Berlin Adlershof                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                               |
| 14:30 | Exkursion E2 Besichtigung IGB                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                               |
| 14:30 | Exkursion E3 Naturkundemuseum Berlin                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                               |

| <b>Freitag, 18. September 2026</b> |                                                                         |
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| 08:00                              | Exkursion: E6 Besichtigung IGB Neuglobsow, Wanderung um den Stechlinsee |
| 08:00                              | Exkursion: E7 Naturpark Märkische Schweiz                               |
| 09:00                              | Exkursion: E5 Paddeltour auf der Spree                                  |
| 09:00                              | Exkursion: E4 Bootstour Katamaran                                       |