

# DigiZ WORKSHOP

## PROGRAMME

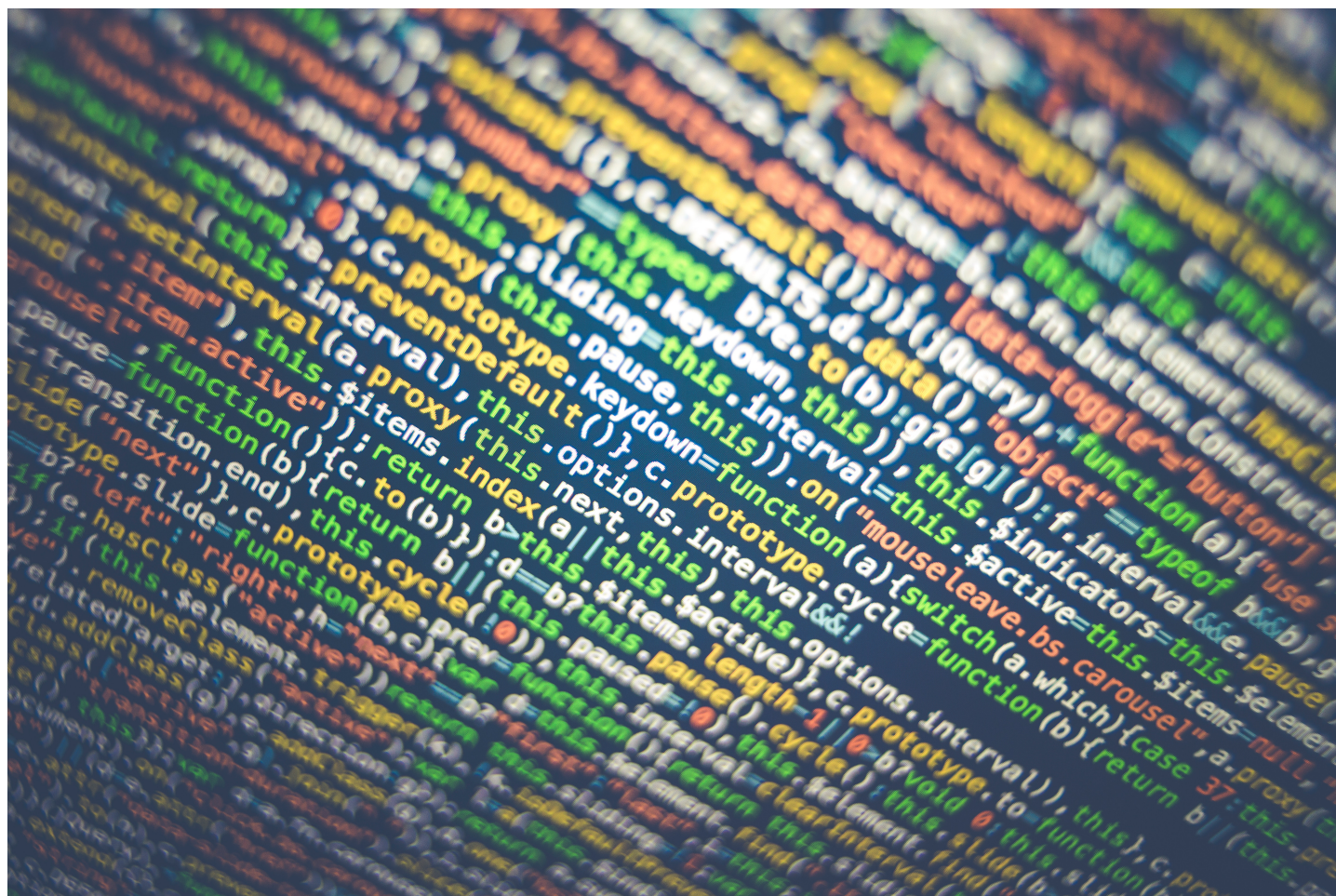


Photo: Markus Spiske (Unsplash)

**June 20, 2019 | 10:30 am**

**Leibniz Centre for Tropical Marine Research (ZMT)**

DigiZ (*digital ZMT*) wants to harness the opportunities of digitization for the ecological sciences. This workshop allows the exchange with experts in data science for ecology research and the development of joint activities in our future.

10:30 Arrival, Coffee, Snack

### Welcome and Introduction

11:00 **Prof. Dr. Hildegard Westphal**, Scientific Director, Leibniz Centre for Tropical Marine Research (ZMT), Bremen

### Presentation of Selected Programmes and Institutions

11:20 **Presentation of DigiZ Concept Capacity Development by ZMT**  
Prof. Dr. Nils Moosdorf, Professor of Coastal Hydrogeology at University of Kiel and Head of WG "Submarine Groundwater Discharge", ZMT, Bremen

11:40 **Data Science: Hype or Hope? – A statistician's View.**  
Prof. Dr. Adalbert Wilhelm, Professor of Statistics, Jacobs University Bremen (via SKYPE)

12:10 **Processing Massive and Disparate Freshwater Geospatial Data**  
Dr. Sami Domisch, Head of Junior Research Group "Global Freshwater Biodiversity, Biogeography and Conservation (GLOWABIO)" at Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin

12:40 **Statistical Modelling of Long-term Data**  
Dr. Karan Kakouei, WG "Long-term and Climate Impact Research of Lake Ecosystems", Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin

13:10 – 14:10 **Light Lunch**

14:10 **Data Science for Agricultural Engineering and Bioeconomy**  
Dr. Niels Landwehr, Head of Junior Research Group "Data Science in Agriculture" at Leibniz Institut für Agrartechnologie und Bioökonomie (ATB), Potsdam

14:40 **Proximal and Remote Sensing of Coastal Ecosystems**  
Dr. Elisa Cassella, WG "Geoecology and Carbonate Sedimentology", ZMT, Bremen | Dr. Arjun Chennu, Microsensor Group Max Planck Institute for Marine Microbiology (MPIMM), Bremen | Prof. Dr. Nils Moosdorf, Professor of Coastal Hydrogeology at University of Kiel and Head of WG "Submarine Groundwater Discharge", ZMT, Bremen

15:10 **Research Data Management in Environmental Sciences - Vision.Reality.Future**  
Prof. Dr. Frank Oliver Glöckner, Professor of Bioinformatics, Jacobs University Bremen and Head of Data & PANGAEA at the Computing Center, Alfred Wegener Institute, Helmholtz Center for Polar- and Marine Research, Bremerhaven

15:40 **Data Integration in Multi-omics Approaches**  
Dr. Christiane Hassenrück, WG "Tropical Marine Biology", ZMT, Bremen

16:10 **ZMT's FAIR Data Champions - a success story**  
Dr. Ivaylo Kostadinov, GFBio - Gesellschaft für Biologische Daten e.V (Bremen)

16:30 Discussion of ideas for joint activities

17:30 End of workshop