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### **Short Bio – Ferdi L. Hellweger**

Prof. Hellweger is the Chair of Water Quality Engineering at the Technical University of Berlin (TU Berlin). His research and teaching focuses on the water quality of lakes, rivers and marine systems. He conducts basic research on the ecology and evolution of microbes in surface water systems and their effect on biogeochemistry, as well as applied research on contemporary societal problems. Examples, include harmful cyanobacterial algal blooms and their toxins in lakes, pharmaceuticals and antibiotic resistance in rivers and bringing swimming back to urban water bodies. His research encompasses field and laboratory measurements and experiments, as well as a focus on the development and application of mathematical models, especially agent-based modeling (ABM) techniques. Prof. Hellweger is married and has two kids that occupy most of his spare time. He likes to go running and cook. For recreation he enjoys camping and hiking.