

Reaching from local to global scales



Current areas of expertise

Water treatment technologies

- Development of nanomaterials and biomaterials for physico-chemical water treatment
- Nature-based approaches for wastewater treatment
- State-of-art facility for analysis of emerging pollutants (i.e. microplastics, rare earth elements)

Freshwater ecology

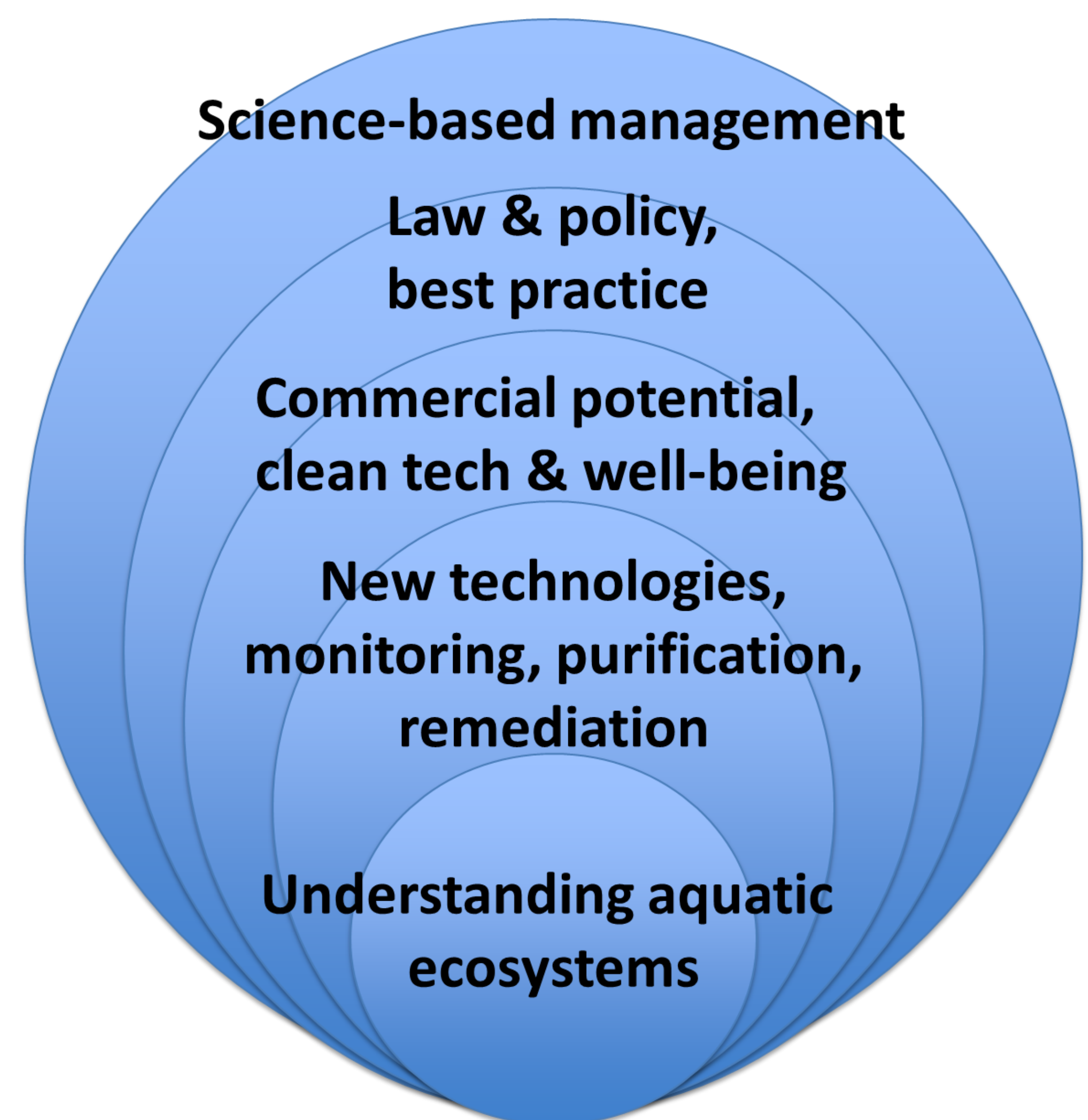
- Behavioral ecology
- Quantitative genetics
- Fish biology
- Aquatic food webs
- Ecotoxicology
- Sediment transport and river morphology

Water law and policy

- Multi-level water law and governance for sustainable use of aquatic resources
- Adaptive law and governance for managing the social-ecological resilience of waters

Future vision

Formation of an open innovation ecosystem that collects key stakeholders and collaborating institutes for joined water-related activities



The goal of the UEF water research is to form an integrated entity to maximize the impact of the basic research on aquatic ecosystems and water-related technologies

Program director Jussi Kukkonen (Prof) // Department of Environmental and Biological Sciences, Kuopio, Finland
Program director Niko Soininen (Prof) // UEF Law School, Joensuu, Finland
Program coordinator Helena Jäntti (PhD) // Department of Environmental and Biological Sciences, Kuopio, Finland
Program coordinator Jarno Suni (PhD) // UEF Business School, Joensuu, Finland