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Microbiological Analyses on (Blue) Bio- and Circular Economies

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The most critical raw material resources in the future are clean water and nutrient-rich farmland. Due to the climate change and the world population growth the situation will only get worse. Infectious diseases caused by bacteria, viruses, protozoa and parasites are the most common health risks worldwide. The methods of the Virology Research Group at the Tampere University, Finland can be applied to the microbiological quality control analyses on bio- and circular economies. By this means, the materials could be microbiologically safely and securely recycled. The world could be better prepared for both natural and man-made epidemics.

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SPARK VALUE: We get from SPARK Finland/Global support, advice, guidance and network. SPARK has strengthened the team.



Kirsi-Maarit Lehto holds a doctoral degree in environmental biotechnology and works at the Faculty of Medicine and Health Technology of the Tampere University. Her main interest is in environmental health associated with WASH (water, sanitation and hygiene). She has also studied the links between environmental enteropathy (EE), an inflammatory condition of the gut associated with poor water quality, sanitation and hygiene as well as specific gut infections and micronutrient deficiencies in low-income settings.