

Department of Environmental Science

In the Environmental Science group we aim to understand and predict the impact of anthropogenic pressures on ecosystems and humans from the local to the global scale. Where possible, we develop models based on a mechanistic understanding of the processes underlying the impacts of pressures on the environment, and where needed we use descriptive statistical approaches. Our research results can be used to support decisions that help to move towards a more sustainable society. Our research is organized along four themes:

Human and Ecological Risk Assessment (HERA):



Focuses on the emission, fate, accumulation and toxicity of chemicals

Life Cycle Assessment (LCA):



Develops and applies methods to estimate the impacts of products and technologies on human health and biodiversity

Sustainability Transition Assessment (STA)



Focuses on sustainability transitions in an industrial setting at local, national and international levels

Biodiversity Assessment (BA):



Studies the responses of species and ecosystems to anthropogenic environmental change at macro-scale (from landscape to global)