

Looking for an internship in the field of **Environment and Sustainability?**

The **Environmental Science department** provides high-quality scientific knowledge that can help the world move towards greater sustainability. To achieve this, we aim to understand, project and address the impact of human pressures on ecosystems and human health from the landscape to the global scale.

Want to do research in this field? Learn from enthusiastic environmental scientists, and contribute to our aims?

If yes, then have a look at our **internship possibilities >>**



Our research

We investigate the entire environmental cause-effect chain: from the human activities that form the drivers of environmental problems, to the pressures on the environment themselves, the state of the environment, the negative impacts on biodiversity and human health, and our responses to mitigate and adapt to environmental problems. We do so using various tools, including life cycle assessment and footprinting, meta-analysis and other forms of literature analysis, statistical predictive modelling and mechanistic modelling. These approaches enable us to explore and develop wide-ranging sustainable solutions for the environmental challenges the world faces today.



Research lines:

- i. In *Human and Ecological Risk Assessment (HERA)* we use computer models to describe the emission, fate, and effects of micro-pollutants such as pesticides and pharmaceuticals in the environment.
- ii. In *Life Cycle Assessment (LCA)* we estimate the environmental impacts (e.g., on climate, health and biodiversity) of products and technologies like renewables, CO₂ removal, electrification and bio-based materials.
- iii. In *Biodiversity Assessment (BA)* we quantify responses of species and ecosystems to human environmental pressures (e.g., climate change, land use, pollution) from the landscape to global scale.
- iv. In *Sustainability Transition Assessment (STA)* we assess societal responses to environmental challenges like climate change, and evaluate the effectiveness and trade-offs of these responses.

Questions? Check out our website for the current overview of internship possibilities or contact our internship coordinator Steef Hanssen (steef.hanssen@ru.nl).