

ENVIRONMENTAL TOXICOLOGY

ONLINE TEXTBOOK ON ENVIRONMENTAL TOXICOLOGY

VU Amsterdam is developing an online textbook with an up-to-date overview of the field of environmental toxicology. The textbook is modular and is available online.

What does the project involve?

Environmental toxicology studies the behaviour of chemicals in the environment and their adverse effects on ecosystems, including human beings. Knowledge in this field is essential for being able to inform the public and guide society towards sustainable practices. There is currently no textbook on environmental toxicology that gives an up-to-date overview of the entire field.

to be used and reused at various institutions at any time. In addition to theory, the book will contain additional didactic material such as images of chemical structures, graphs and simulations in Excel or in the MATLAB programming environment. A corresponding online course will also be developed with in-depth material and the possibility to add assignments.

“We can use the Environmental Toxicology online open textbook to improve the effectiveness and efficiency of education in the field both nationally and internationally.”

- Kees van Gestel

This is why VU Amsterdam, in collaboration with five other Dutch universities (UvA, WUR, UL, RU and OU), are aiming to develop a textbook with current insights into environmental toxicology. The main objectives of the textbook are to make education in this field more effective and to improve its quality.

The book will be designed to be modular, so that the material can be adapted to the needs of students and teachers. It will also be digitally accessible, allowing the material

How can other institutions benefit from this project?

The textbook and corresponding online course will be utilised at the universities participating in the project. This means that the material can be used for a wide range of purposes. For example, other institutions providing environmental toxicology education can also integrate the book into their teaching curriculum. The developed materials will be shared in full with the academic community in the Netherlands and abroad.

About this project

- **Project by:** VU Amsterdam
- **Period:** 1 September 2017 - 31 December 2018

Want to know more?

Please contact
Kees van Gestel
(project manager):

kees.van.gestel@vu.nl



Open and online education incentive scheme

This project is being carried out as part of the 2017 Open and Online Education incentive scheme. SURF and the Ministry of Education, Culture & Science are challenging Dutch higher education institutions to experiment with different types of open and online education.

www.surf.nl/open-and-online-incentive-scheme



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SURFnet

P.O. Box 19035
3501 DA Utrecht
The Netherlands

+31 - 88 787 30 00
www.surf.nl/surfnet

