

## WHO WE ARE

OpenTox is the leading global open platform for predictive toxicology supported by open standards. OpenTox is a community-led effort sharing common values in the development of interoperability, transparency and extensibility in the OpenTox framework and its applications.

Douglas Connect operates an ecosystem model where developers may be sourced from the OpenTox collaboration pool for the collaborative development and provision of customised solutions, support services, and training.

## OUR VISION

The design principles of interoperability, flexibility, transparency and extensibility are key ingredients of the OpenTox Framework design, which additionally guide its architecture and implementation.

## PROJECTS

**ToxBank** is an example of an infrastructure implementation that is based on OpenTox.

**eNanoMapper** is a nanotechnology community-based application development of OpenTox supporting data sharing and enhancing scientific reproducibility of nanotechnology safety research.

[www.opentox.com](http://www.opentox.com)

Douglas Connect  
*Working communities*

## DID YOU KNOW

### OUR APPLICATIONS CAN COMBINE MULTIPLE WEB SERVICES.

OpenTox is the leading global open platform for predictive toxicology supported by open standards. OpenTox is a community-led effort sharing common values in the development of interoperability, transparency and extensibility in the OpenTox framework and its applications.

The mission of OpenTox is an interoperable predictive toxicology framework providing an enabling platform for integration of *in vitro* and *in silico* approaches towards toxicology of the 21st century.



### CONTACT US:

Douglas Connect GmbH  
Baermeggenweg 14  
4314 Zeiningen  
Switzerland  
**e-mail:**  
[dc@douglasconnect.com](mailto:dc@douglasconnect.com)

LEADING  
GLOBAL OPEN PLATFORM  
FOR PREDICTIVE  
TOXICOLOGY

## OPENTOX IMPACTS

OpenTox is working to meet the requirements of the REACH legislation using alternative testing methods to contribute to the reduction of animal experiments for toxicity testing.

OpenTox actively supports the development and validation of *in silico* models and algorithms by improving the interoperability between individual systems (common standards for data and model exchange), increasing the reproducibility of *in silico* models.

OpenTox is committed to the support and integration of alternative testing methods using *in vitro* assay approaches, systems biology, stem cell technology, and the mining and analysis of human epidemiological data.

Hence the framework design must take into account extensibility to satisfy a broad range of scientific developments and use cases.

## THE GOAL

The goal is to expand OpenTox as a community project enabling additional expert and user participants to be involved in developments in as timely a manner as possible.

# INTEROPERABLE PREDICTIVE TOXICOLOGY FRAMEWORK.



## OUR APPROACH

integrates Knowledge, People and Processes with effective facilitation and coordination. We use the best quality resources within budget constraints. We adhere to Swiss values of doing what we say we do and being on-time and on-budget.

## OUR EXPERIENCE

We apply best knowledge management practices to projects, experienced in managing challenging projects with strong innovation goals, have coordinated large collaborative projects (e.g., as coordinator of EC FP7 projects).

## CONTACT US

+ 41 61 851 01 70  
dc@douglasconnect.com