

# OpenTox

 [consortiapedia.fastercures.org/consortia/opentox/](http://consortiapedia.fastercures.org/consortia/opentox/)

## Research Areas



### Tool Development

Innovation



### Basic Research



### Data-Sharing Enabler



### Product Development

Data

## At a Glance

- Status: **Active Consortium**
- Year Launched: **2009**
- Initiator Type: **Government**
- Location: **International**

## Abstract

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.

## Mission

The goal of OpenTox is to develop an interoperable predictive toxicology framework, which may be used as an enabling platform for the creation of predictive toxicology applications. OpenTox applications can combine multiple web services providing users access to distributed toxicological resources including data, computer models, validation, and reporting. Applications are based on use cases that satisfy user needs in predictive toxicology. Different sections of the OpenTox website are used to involve users, advisors, collaborators, and developers in the OpenTox Community approach to development and provide updates on news and developments.

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.

## Consortium History

---

To view past events of OpenTox, click [here](#)

## Structure & Governance

---

Douglass Connect governs the OpenTox Framework

## Intellectual Property

---

OpenTox is the leading global open platform for predictive toxicology supported by open standards.

## Data Sharing

---

The eNanoMapper is a nanotechnology community-based application development of OpenTox supporting data sharing.

## Impact/Accomplishment

---

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.

## Links/Social Media Feed

---

Homepage	<a href="http://opentox.net/">http://opentox.net/</a>
Facebook	@DouglasConnect
Twitter	@DouglasConn

## Points of Contact

---

Project coordinator Dr. Barry Hardy ([barry.hardy@douglasconnect.com](mailto:barry.hardy@douglasconnect.com)),  
Tel: +41 61 851 0170.

## Sponsors & Partners

---

Genetta Soft  
Douglas Connect  
LeadScope  
IdeaConsult  
In silico toxicology

---

Updated: **06/20/2017**

