

# Welcome

Webinar: OECD QSAR Toolbox  
applications for REACH and beyond

30 November 2021

**Andrea Gissi**

Scientific Officer

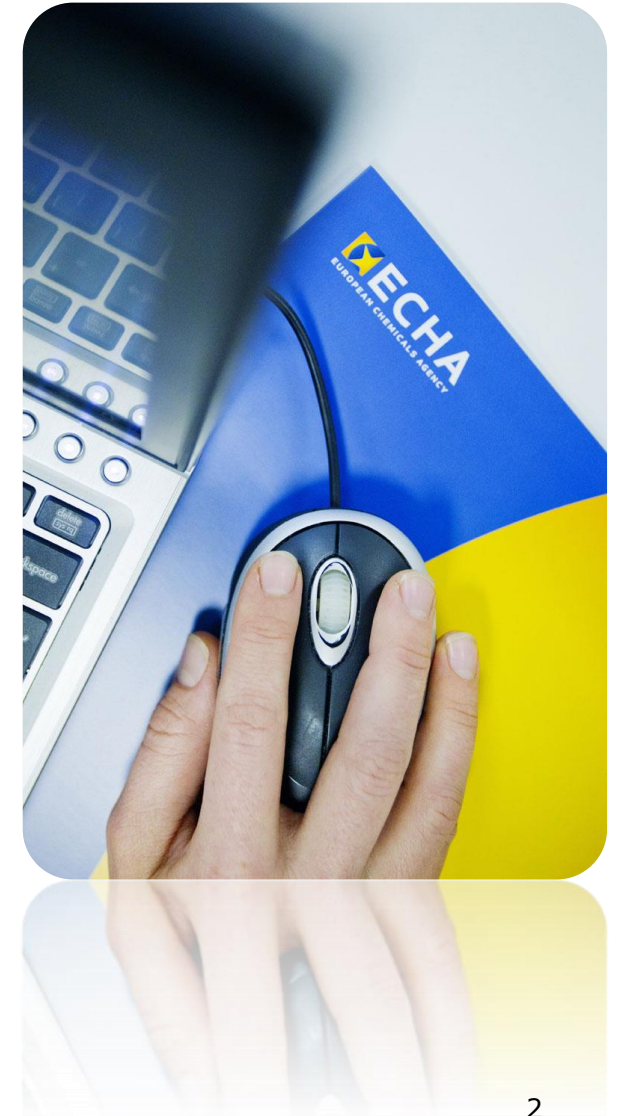
Computational Assessment Unit

European Chemicals Agency



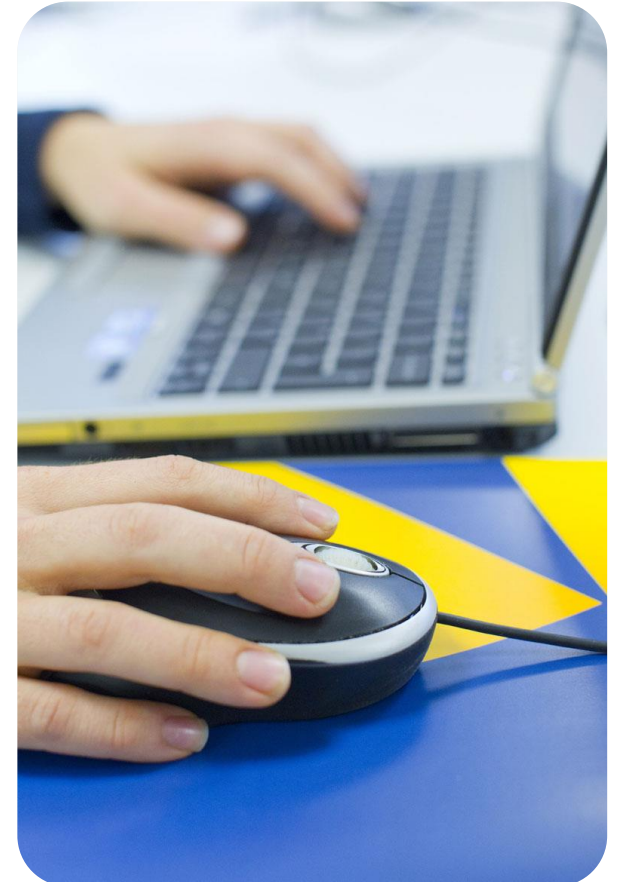
## What you can expect from today

- Understand how ECHA assesses QSAR Toolbox results in REACH dossier evaluation
- Practical examples: how authorities and institutions across the world use the QSAR Toolbox
- Project status and future outlook



## Questions

- Join Q&A at: [slido.com](https://www.slido.com)  
Event code:
- Send questions from **11:00 to 13:00**  
**Helsinki time**
- Only questions within scope
- Question not answered?  
Contact us: [echa.europa.eu/contact](https://echa.europa.eu/contact)



# Material available

Video recording, presentations and Q&A:

[echa.europa.eu/support/training-material/webinars](https://echa.europa.eu/support/training-material/webinars)



An agency of the European Union

News and Events | Press | Contact | English (en)

**ECHA**  
EUROPEAN CHEMICALS AGENCY

Search the ECHA Website

About Us | Regulations | Addressing Chemicals of Concern | Information on Chemicals | Chemicals in our Life | **Support**

ECHA > Support > Webinars

Webinars

Webinars are information sessions hosted online, and consisting of presentations, video and other interactive features such as questions and answers, desktop sharing and audio conferencing. Up to one thousand participants can remotely join a webinar at once.

A registration link will be available for each individual webinar closer to the event date and all webinars, including a webinar programme and registration link will be announced in ECHA's weekly e-News.

The webinar programme is subject to change. Exact dates will be confirmed as they become available.

Each webinar will be recorded and later published on the ECHA website.

<b>REACH 2018</b>	<b>Upcoming</b>	2017	2016	2015	2014	2013	2012	2011	All Webinars
-------------------	-----------------	------	------	------	------	------	------	------	--------------



## Agenda 1/2

- 11:00 **Introduction**  
Andrea Gissi, European Chemicals Agency
- 11:10 **QSAR Toolbox: current status and future developments**  
Patience Browne, Organisation for Economic Co-operation and Development
- 11:20 **QSAR Toolbox in REACH registrations**  
Andrea Gissi, European Chemicals Agency
- 11:35 **QSAR Toolbox supporting PBT identification under REACH**  
Doris Hirmann, European Chemicals Agency
- 11:50 **Experience of screening substances using the QSAR Toolbox**  
Eva Bay Wedebye, Danish Technical University

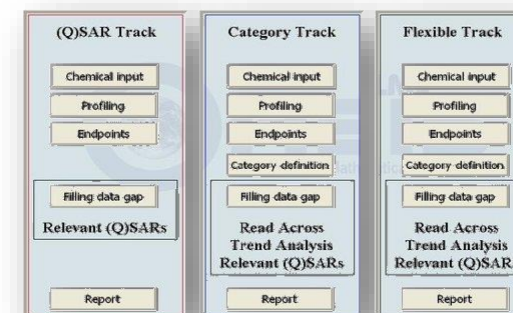
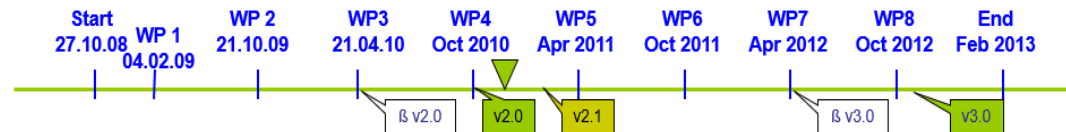


## Agenda 2/2

- 12:05 **QSAR Toolbox supporting genotoxicity assessment of chemicals**  
Cecilia Bossa, National Institute of Health, Italy
- 12:20 **Application of the QSAR Toolbox for ecological priority setting and risk assessment of organic chemicals**  
Mark Bonnell, Environment and Climate Change, Canada
- 12:35 **QSAR Toolbox for the evaluation of small production volume new chemical substances under chemical substances control law**  
Yuki Sakuratani, National Institute of Technology and Evaluation, Japan
- 12:50 **Outlook**  
Mike Rasenberg, European Chemicals Agency
- 11:00–13:00 **Webinar open for questions**

# QSAR Toolbox History

## (Q)SAR Application Toolbox



- Initiated by OECD in 2006. Version 1.0 released in October 2008
- ECHA joined the Toolbox coordination group in 2008 and is the major financial supporter of developing the Toolbox
- Latest public version: 4.5
- Technical development by Laboratory of Mathematical Chemistry (LMC) of Burgas University

### OECD (Q)SAR Application Toolbox Version 2.0, 2010

Developed by:

Organization for Economic Co-operation and Development

European Chemicals Agency

Laboratory of Mathematical Chemistry



Continue

Compare

# Testimonials

*"The QSAR Toolbox is a key data analysis tool in the OECD chemical Knowledge Base. The Toolbox supports chemical safety assessments and provides an alternative to generating data from testing chemical effects on animals."* **Bob Diderich (OECD)**



*"The QSAR Toolbox is iconic for how the OECD cooperates: International cooperation to meet common goals that result in a multiple of the individual inputs. We all need this tool to faster sort the safe from the unsafe chemicals, without using animal testing."* **Bjorn Hansen (ECHA)**

*"ECCC have been applying the OECD QSAR Toolbox since its first version became available [...] ECCC believes the international success of the ecological risk assessment as a new approach to prioritization could not have happened without the OECD QSAR Toolbox."*

**Mark Bonnell (Environment and Climate Change Canada)**

[echa.europa.eu](http://echa.europa.eu)





# Outlook

Webinar: OECD QSAR Toolbox  
applications for REACH and beyond

30 November 2021

**Mike Rasenberg**

Director

Hazard Directorate

European Chemicals Agency

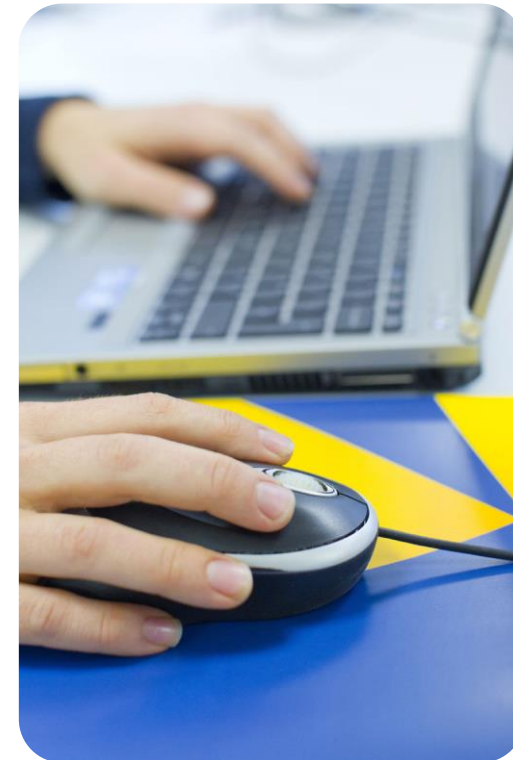


## Take-home messages

- Example
- Example

## Q&A panel

- Webinar open until 13:00 Helsinki time to answer questions
- If your question is not answered by the end of the webinar, send it via our contact form:  
[echa.europa.eu/contact](https://echa.europa.eu/contact)



# Thank you!

[echa.europa.eu/contact](https://echa.europa.eu/contact)

Subscribe to our news at  
[echa.europa.eu/subscribe](https://echa.europa.eu/subscribe)

Follow us on Twitter  
[@EU\\_ECHA](https://twitter.com/EU_ECHA)

Follow us on Facebook  
[Facebook.com/EUECHA](https://facebook.com/EUECHA)