



## Who is ASPIS

ASPIS is a science for societal change initiative funded by the European Commission's research and innovation programme, which assembles three projects to better assess the hazards of chemicals to human health and the environment without animal testing: RISK-HUNT3R, ONTOX, and PrecisionTox ([website](#)).

ASPIS represents more than 70 institutions across 16 European countries and the U.S. delivering on a €60 million investment to help transform health protection by adopting new approach methodologies (NAMs) that more reliably detect and, when appropriate, rapidly regulate and mitigate the exposure to toxic substances. ASPIS aims to translate talk about responsible innovation into action for an environmentally sustainable chemicals industry.

ASPIS will host its 2<sup>nd</sup> public symposium on 24- 25 November 2022 to showcase the joint efforts of its three projects.

Day #1 will focus on the joint framework developed by the initiative to implement non-animal based technologies in risk assessment;

Day #2 will focus on the biomolecular, cellular, and computational advances that are driving the ASPIS initiative. Different applications of NAMs will be presented, including: discovering adverse outcome pathways and their quantification; enhanced grouping of chemicals; detecting and characterizing hazards.

## Event objectives

- To highlight relevant technologies for improving chemical safety assessment and the regulation of hazardous substances;
- To increase confidence in the use of NAMs and to broadly promote their applications for effective risk management;
- To identify barriers and provide solutions for the reduction, refinement, and replacement of animal testing (the 3Rs principle);
- To promote early career researchers and create a network of next-generation decision-makers;
- To facilitate communication among ASPIS and international stakeholders.

## Venue and Registration

The meeting takes place at the Hotel Meliá Sitges, Sitges, Spain ([Google Map](#)).



# ASPIS open symposium

24-25 nov 2022 Sitges - Spain

## Agenda

24 November 2022

Time	ASPIS Open Symposium training course. Room Llevant
10:00 – 12:30	Science communication training (on registration only)

Time	ASPIS Open Symposium Day 1: a collective effort to implement Novel Approach Methodologies in Next-Generation Risk Assessment. Room Garbi	
14:00 – 14:10	Welcome	<b>Bob van de Water</b> (University Leiden, RISK-HUNT3R coordinator, ASPIS chair)
14:10 – 14:30	DZ Foundation (DZF) award ceremony speech on the implementation of NAM for food safety assessment	Awarded by <b>Marcel Leist</b> (DZF, University Konstanz, RISK-HUNT3R)
14:30 – 14:50	An overview of the ASPIS cluster organization	<b>Jonathan Freedman</b> (University of North Carolina, PrecisionTox, WG coordinator) <b>Barry Hardy</b> (Edelweiss Connect, RISK-HUNT3R)
14:50 – 15:10	Building a common framework for NAM-based next generation risk assessment	<b>Mirjam Luijten</b> (RIVM, RISK-HUNT3R, WG leader)
15:10 – 15:40	Coffee break	
15:40 – 16:40	Panel discussion on the challenges and opportunities of a joint NAM-based risk assessment framework in ASPIS and beyond	<b>Mathieu Vinken</b> (Vrije Universiteit Brussel, ONTOX coordinator) <b>Elisabet Berggren</b> (EC JRC, ASPIS regulatory forum coordinator)  <b>Erwin Roggen</b> (3RsMC, ONTOX) <b>Mirjam Luijten</b> (RIVM, RISK-HUNT3R) <b>Nicole Kleinstreuer</b> (NIEHS) <b>Patience Browne</b> (OECD) <b>Stefan Scholz</b> (UFZ, PrecisionTox) <b>Thomas Steger Hartmann</b> (Bayer AG)
16:40 – 17:00	US efforts toward NAM based risk assessment	<b>Nicole Kleinstreuer</b> (NIEHS)
17:00 – 17:20	EC efforts towards regulatory harmonization	<b>Christian Desaintes</b> (EC DG Research & Innovation)
17:20 – 18:00	Q&A	Moderated by <b>Bob van de Water</b> (University Leiden, RISK-HUNT3R)



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18:00 – 18:15	Final remarks	<b>Bob van de Water</b> (University Leiden, RISK-HUNT3R)
18:15 – 20:00	Poster presentation and cocktail reception	

## 25 November 2022

Time	ASPIS Open Symposium Day 2: a collective effort to implement Novel Approach Methodologies in Next-Generation Risk Assessment. Room Garbi	
8:30 – 8:40	Welcome	<b>Bob van de Water</b> (University Leiden, RISK-HUNT3R coordinator, ASPIS chair)
8:40 – 9:00	NAMs & REACH: needs & opportunities	<b>Elisabet Berggren</b> (EC JRC, ASPIS regulatory forum coordinator)
9:00 – 9:20	Building confidence in toxicokinetic models for next-generation risk assessment	<b>Nynke Kramer</b> (Wageningen University, ONTOX, WG leader)
9:20 – 9:40	Predicting chemicals' Molecular Initiating Events (MIEs) based on protein structure	<b>Gerhard Ecker</b> (University of Vienna, RISK-HUNT3R, WG leader)
9:40 – 10:00	Omics: how to bridge the regulatory barrier	<b>Florian Caiment</b> (Maastricht University, ONTOX, WG leader)
10:00 – 10:30	Coffee break	
10:30 – 10:50	Quantitative AOP of steatosis: implementation for regulatory purposes	<b>Mark Cronin</b> (Liverpool John Moores University, RISK-HUNT3R, WG leader)
10:50 – 11:10	The role of ASPIS in PARC, the European Partnership for the Assessment of Risks from Chemicals	<b>Mirjam Luijten</b> (RIVM, RISK-HUNT3R, WG leader)
11:10 – 12:00	Start of the new ASPIS presidency period and poster award ceremony	<b>John Colbourne</b> (University of Birmingham, PrecisionTox, coordinator)

ASPIS Open Symposium training course and internal meetings	
13:00 – 16:00	Training course on applications for AI in risk assessment (on registration only)
13:00 – 16:00	ASPIS Coordination & advisory board (closed meeting). Room Llevant