The Applicability of ASPA: Evaluation through Realistic Case Studies

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Introduction

- ASPA is the **A**SPIS-initiated alternative **S**afety **P**rofiling **A**lgorithm, a workflow for Next Generation Risk Assessment (NGRA) approaches for the safety assessment of chemicals.
- ASPA combines workflows for different regulatory questions.
- ASPA provides guidance on both data generation and data interpretation.

Discover here the latest version of ASPA!

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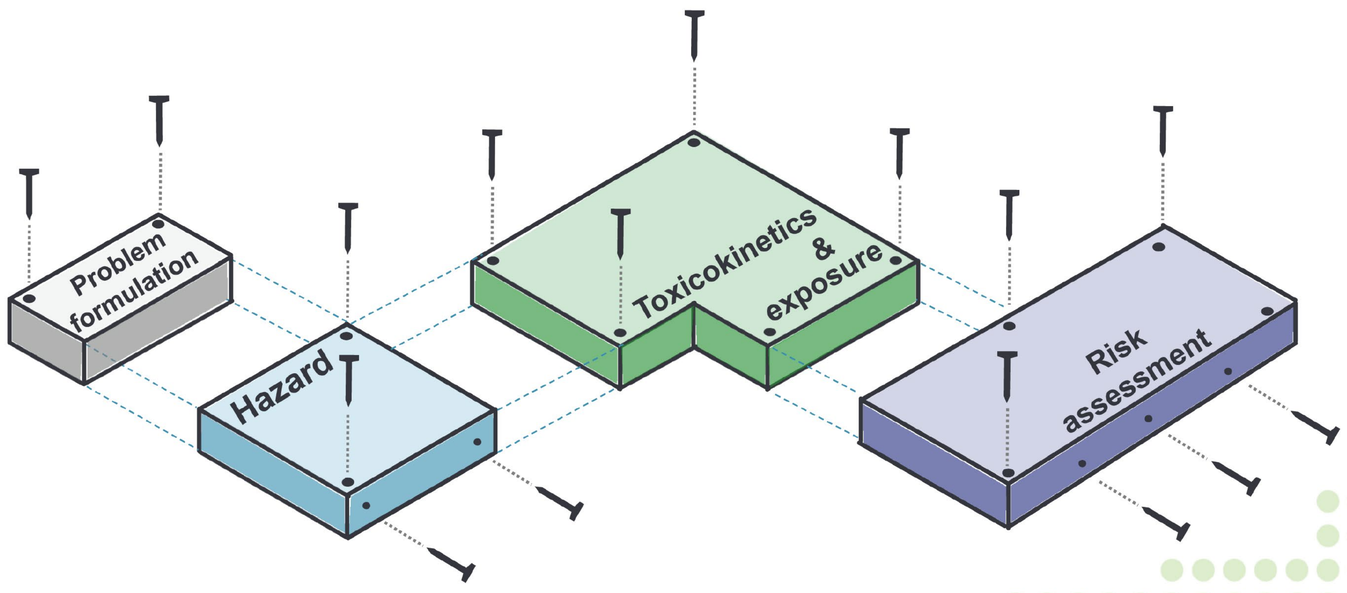
Case studies: why?

In RISK-HUNT*3R*, a total of nine case studies is being performed. Their goal is:

- ✓ *To test and evaluate the applicability of ASPA for regulatory purposes.*
- ✓ *To gain better insight in how to incorporate uncertainty in the application of ASPA.*
- ✓ *To improve the definition of ASPA's (sub)modules and to develop appropriate guidance for each module.*



Case studies: what?

The case studies being performed cover different regulatory frameworks and different regulatory questions, ranging from prioritization to full risk assessment.

1. NAM-based prediction of metabolism

To explore how to utilise NAM-based approaches for addressing metabolism in a quantitative way.

2. Prioritization using high-throughput testing

To explore how information obtained from high-throughput toxicity testing could be used for prioritization.

3/4/5. Classification, labeling and packaging (CLP)

To determine the utility of NAMs for the purpose of CLP, focused on developmental neurotoxicity, non-genotoxic carcinogenicity and liver toxicity.

6. Risk assessment of cosmetic ingredients

To determine how to apply NGRA for an exposure-led risk assessment based on different product use types and chemicals.

7. Risk assessment of industrial chemicals

To determine how to apply NGRA for risk assessment of industrial chemicals, including both workers and consumers as population groups.

8/9. Hazard assessment of agrochemicals /contaminants

To determine how to apply NGRA for hazard characterization of agrochemicals and contaminants, focused on non-genotoxic carcinogenicity and developmental neurotoxicity.

Interested to join us in these case studies? Please contact us!

This project receives funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No. 964537 (RISK-HUNT3R), and it is part of the ASPIS cluster.

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