

ECHA/TRN/2023/037 - Computational Assessment Unit - Data (B2)

Contribution to the data integration, data processing and tool/method development activities of the Data Team. Depending on the profile the candidate could be involved in using and validating predictive methods to support hazard assessment and prioritisation.

Unit: Computational assessment and alternative methods (B2)

The Computational Assessment and alternative methods Unit B2 develops methods and tools for data collection, data analysis, priority setting, non-test strategies and chemical safety assessment and provides expert advice and support for their use within and outside the Agency.

Assignment

Trainee job description

Depending on the specific profile, the foreseen task for the trainee would be to:

- Assess the usefulness of external sources with physicochemical, fate and (eco)toxicity data for ECHA's regulatory processes and work towards their integration into ECHA's data integration platform
- Assist with the integration of predictive models and evaluate their applicability to substances registered under REACH with regard to applicability domain and predictive accuracy against registration data
- Analyse the registration data in order to understand the way the information requirements have been fulfilled to support policy decisions
- Assist the collection of data outside the submitted dossiers, such as data on pharmaceutical substances, analyse the content and use the information in validating predictive models
- Support the migration of toxicity data into IUCLID
- Support our work on substance group generation, by leveraging cheminformatics tools and compiling datasets that support the process
- Contributing to the drafting, testing and implementation of working instructions, processes and tools

The work may include also some other tasks related to the assignment.

Profile

General requirements

- Completed university studies at least to bachelor degree level (e.g. in the area of chemical engineering, computational science, (eco)toxicology, medicine or pharmacology)
- Familiarity with handling and analysing toxicological or chemical datasets
- Experience with data analysis techniques (data curation, normalisation, visualisation)
- Experience in using MS Office tools
- Good communication and interpersonal skills
- Aptitude for teamwork
- Ability to communicate clearly in written and spoken English (as this is the working language of the Agency)

- Ability to take responsibility for specific areas of work and see actions through to completion ensuring that the deadlines are met

The following skills/experience will be considered an asset:

- Experience with predictive models for toxicity and toxicokinetics
- Familiarity with the physicochemical, fate and (eco)toxicological assays used in REACH or other regulatory regimes

Starting Date: 01 September 2023

Duration: 6 months

Deadline for applications: 11 April 2023 at noon 12:00 Helsinki time (11:00 a.m. CET)