Implications from the results and practical recommendations for model developers, users and regulators

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Introduction

The eteam project aimed to carry out a comprehensive evaluation of the Tier 1 exposure tools used for REACH. This presentation provides a summary of the main results together with the main implications (according to the authors) as well as some recommendations for tool developers and users as well as regulators.

Summary of Results

All Tier 1 tools are designed to be simple and easy to use; uncertainty is addressed by providing conservative estimates of exposure. However, unclear if the tools provide sufficiently conservative estimates. Some tools showed good correlation with measured exposures for powders, but not for other exposure categories. The results showed that there can be a large variability in results obtained by different users.

Implications

It is not clear if tools are sufficiently conservative across all exposure categories and exposure situations. This depends on what is considered to be sufficiently conservative. All models ideally need to undergo further development to improve the predictive value of the estimates. In addition, tool users will need to be aware of the appropriate use of the tools and their limitations.

Recommendations

The presentation will provide some recommendations for tool users, tool developers and the regulators. These focus on increased quality assurance procedures when using the tools.