

# Precaution: Predicting the chemical sensitivity of aquatic organisms

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### Improve tool

- Evaluation of model selection algorithms
- Create user-friendly and flexible interface
- Evaluation of sensitivity modelling aspects
- Tutorial on the new R tool

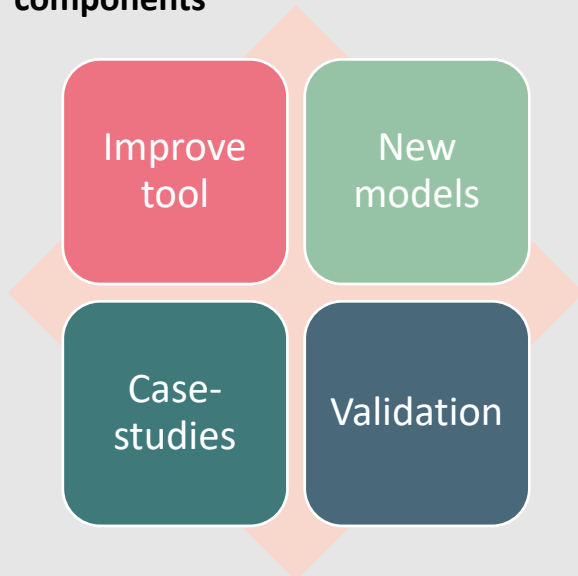
### Case-studies

- First compilation of case-studies
- Workshop on case-studies
- Final compilation of case-studies

## Main objectives

- Create a user-friendly tool that constructs models to predict the sensitivity of aquatic taxa towards a wide-range of chemical groups
- Create a set of case studies that demonstrate how this tool can directly be applied for aquatic water quality and risk assessment purposes

## Four components



### New models

- Collection of invertebrate traits
- Improved invertebrate models
- Selection of sensitivity-related fish traits
- Develop the first set of fish models, based on historical data

### Validation

- Model validation with single species tests (invertebrates-only)
- Data collection and model construction for non-lethal endpoints (invertebrates-only)