



Utrecht University



National Institute for Public Health  
and the Environment  
Ministry of Health, Welfare and Sport



EUSES

European Union  
System  
for the Evaluation  
of Substances

# Training on Chemical Safety Assessment under REACH

June 13 - 16, 2017

RIVM, Bilthoven, the Netherlands

Leading theme in this course is the Chemical Safety Assessment under REACH, with the REACH regulatory background as backbone. The course is divided in two parts. In the first two days a general overview of the REACH legislation, regulatory processes and the Chemical Safety Assessment (under REACH) is provided. The second part consists of two additional days with a more in depth and hands-on training on how to perform a chemical safety assessment by making use of available tools. One can choose to follow only the first part in which an overview is provided or the whole training of 4 days, including the in depth training.

Experienced speakers from governmental institutions and private consultants will make students familiar with Exposure Scenarios and Risk Management.

This training provides a combination of lectures and exercises with practical examples. Students will get the opportunity to work with exposure assessment models.

Organizers: This course is organized by RIVM and IRAS, UU

## Target group

This course is intended for professionals within industry, governments, universities and consultants, who want to advance their knowledge on REACH and the Chemical Safety Assessment of industrial chemicals.

Registration fee: €1,700 for the four day course

€900 for the two day course

Registration deadline: 1<sup>st</sup> May 2017

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<http://www.utrechtsummerschool.nl/courses/life-sciences/chemical-safety-assessment-under-reach>

# General Program of RIVM-IRAS Course in Chemical Safety Assessment under REACH

## PART I: GENERAL INTRODUCTION TO CHEMICAL SAFETY ASSESSMENT (CSA) AND REACH

### General Introductions

- ◆ Introduction into chemical safety and risk management
- ◆ Introduction into REACH, the headlines
- ◆ Practical implications of REACH for industry and for regulators
- ◆ Risk Management Options & SVHC Roadmap
- ◆ CSA-tool, data evaluation and selection
- ◆ Hazard assessment in ecotoxicology, evaluation of data, PBT assessment, C&L
- ◆ Hazard assessment in human toxicology, evaluation of data, C&L

### Components of the Chemical Safety Assessment under REACH

- ◆ Exposure scenarios, risk reduction and emission estimation under REACH
- ◆ Consumer exposure assessment
- ◆ Worker exposure assessment
- ◆ Environmental exposure assessment, including exposure of humans and predators via the environment, PBT assessment
- ◆ Risk characterization: human toxicology
- ◆ Risk characterization: ecotoxicology
- ◆ REACH regulatory processes: Authorization & Restriction
- ◆ REACH regulatory processes: Substance Evaluation

## PART II: HANDS ON TRAINING: HOW TO PERFORM A CSA WITH AVAILABLE TOOLS

### Tools under REACH: Data Estimation/(Q)SARs

- ◆ Tools under REACH: REACH-IT, IUCLID including Advanced IUCLID Search and CSA-tool
- ◆ Data estimation: QSAR for physico-chemical properties and environmental endpoints
- ◆ Data estimation: Analogue and (Q)SARs for human endpoints
- ◆ Data estimation: QSAR-Toolbox demo

### Exposure estimation

- ◆ CONSEXPO including exercises
- ◆ EUSES including exercises and CHESAR demo

### Risk Characterization

- ◆ Exercises in Chemical Safety Assessment

