

Environmental Risk Assessment: REACH and CPL

Synopsis

The topics covered will allow getting knowledge in main aspects European regulations for the control and risk classification of chemicals substances. The students will be able to understand technical and legislative documents and produce reports for chemical substances.

Aims

- To understand and apply multivariate approach to interpret the environmental data

Objectives

At the end of this Unit, you should:

1. Understand concepts, criteria and modalities of the evaluation process in risk assessment associated to contaminant chemicals.
2. Understand the processes for evaluation and actualization of ERA within the European legislation.
3. Understand the protocols to classify contaminants according to their risk for the environment

Key skills acquired

At the end of this Unit, you should be able:

1. To apply a multivariate approach to interpret the environmental data

Syllabus

Topics covered include:

- Introduction to environmental risk assessment
- Applications of environmental risk assessment procedures
- Scientific and technical fundamentals for the use of chemical substances in the EU
- European policy on chemical substances: REACH and CLP

Learning & Teaching

- **Lectures:** 30 hr
- **Computer work:** 10 hr
- **Seminars and tutorials:** 20 hr

Teaching Staff: Ionan Marigomez (Coord.), JV Tarazona (EFSA), A Rodriguez (EChA), MM Vega & U Otila (Envir Agency).

Semester: 2

Timetable slot: To be advised

ECTS: 6

Level: Optional

Bibliography

- Rausan, M. 2010. Risk Assessment. Theory, Methods and Applications. Wiley Publisher. ISBN 978-0470637647
- Simon, T. 2016. Environmental Risk Assessment. A toxicological approach. CRC Press. ISBN 978-1138033832
- Fisk, P. (2013). Chemical Risk Assessment: A manual for REACH. Wiley Publisher. ISBN 9781119953685

Assessment

- Written theory examination (50%)
- Seminar and oral presentation (50%)

Course Evaluation

By completion of University Unit Evaluation Questionnaire by students, annual assessment by Unit Co-ordinator.