

# Short Course

## Ecotoxicology and Pesticide Risk Assessment



Are you a regulator or scientist working with pesticides and you need more in depth knowledge in the Pesticide Risk assessment Procedure?

### The course covers:

- ▶ Aquatic, Terrestrial and Bird Ecotoxicology
- ▶ Risk Assessment of plant protection products
- ▶ European Legislations and new development

### The course is divided in four different modules:

#### 1) *Exposure Assessment*

We will give an overview on how, when, and where contamination of the environment with chemicals can occur. The participants will learn characteristics of environmental chemicals, possible sources, releases, fate and distribution patterns.

#### 2) *Effect Assessment*

We will cover routes of exposure and mechanisms of action, methods for testing (lab and field) and measuring ecotoxicity and linkages between effects at different levels of biological organization from the cell to the ecosystem.

#### 3) *Risk mitigation measures*

We introduce various mitigation strategies for a farmer to reduce the risk of plant protection products towards biodiversity and the ecosystem

#### 4) *Legislation*

New developments in the EU legislation as well as in the risk assessment of plant protection products will be introduced and discussed

### Learning outcomes

- ▶ Understand and apply the principles of ecotoxicology (exposure and effect) and risk assessment
- ▶ Develop skills for the design, implementation and interpretation of Environmental Risk Assessment studies to be used for the registration process

### Target group

Regulators, academia, students, industry, pesticide dealers, technicians, NGO and general public with basic knowledge in environmental science.

### About the course facilitator

Dr. Silke Bollmohr has 15 years experience in pesticide risk assessment from all sectors involved in risk assessment since she worked for government, NGO, industry and academics. She has developed protocols for pesticide risk assessment in several countries and has served as an ecotoxicologist on different projects in DRC, Zambia, Kenya, Tanzania and Sudan.

**When:** 15.01. - 17-01.2018

**Where:** Tropical Pesticide Research Institute, Arusha, Tanzania

**Time:** 8:30 -16.00

**Costs:** 200 \$ (students 100\$)

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For more information you can also visit [www.eco-trac.de](http://www.eco-trac.de)