***Training course 8: Environmental Risk Assessment***

The training course will cover the three components of risk analysis – risk assessment, risk

management and risk communication – but will give particular focus to environmental risk assessment.

The aim is to introduce the participants to the concept of environmental risk assessment as applied in

national and international food safety.

Participants will learn how to perform a structured environmental risk assessment in accordance with

the food safety question they have to address in the case study.

Efforts will focus on the four steps of risk assessment (hazard identification, hazard characterization,

exposure assessment and risk characterization in chemical risk assessment). The participants will be

introduced to the assessment of the uncertainty and variability in data used in risk assessment. Based

on this, the participants should be able to perform interpretations of risk assessment outputs.

By the end of the course, participants will:

Be familiar with the concepts of risk analysis i.e. risk assessment, risk management and risk

communication;

Be familiar with the legal framework, legal registers and the concept of legal assessment in ERA;

Be familiar with the specificities and challenges of environmental risk assessment

Understand the key steps and requirements of life stage assessment

Have a basic understanding of the concepts, terminologies and methods used in environmental

risk assessment, their utility, data requirements, similarities, and differences;

Have a sound understanding of environmental exposure assessment

Have a basic understanding of advantages and limits of different environmental risk assessment

methods

Be able to understand tools for risk-benefit analysis

Have a basic understanding of the importance of appropriate communication of environmental

risk assessment results and risk management decisions.