



Human & Ecotoxicological Risk Assessments

SCC scientists perform ecotoxicological risk assessments according to current guidance documents and regulations, and also take into consideration recent developments in the regulatory framework of the European Union and the United States. The development of strategies for environmental risk assessments based on the results of higher tier studies on community level or under complex exposure conditions becomes more and more important, and is also part of SCC's scientist teams concerning environmental fate and ecotoxicological aspects.

For human risk assessment, SCC uses all current exposure models for the prediction of acute and chronic consumer exposure (e.g. EFSA model, WHO models, various national models) as well as operator, worker, bystander and resident exposure. Available background or supporting data are taken into consideration on a case-by-case basis in order to refine the risk assessment (including probabilistic approaches).



Let SCC be your specialist for regulatory science!

Scientific Consulting Company (SCC) was founded in 1989 by our president, Dr. Friedbert Pistel. SCC is today one of Europe's leading privately-owned and independent consulting companies for the registration of agrochemicals and biopesticides, biocides, chemicals, consumer products, feed & food additives and veterinary medicine. SCC is independent: it intentionally does not have laboratories of its own and is therefore free to co-operate with any laboratory which best suits the needs of its clients.

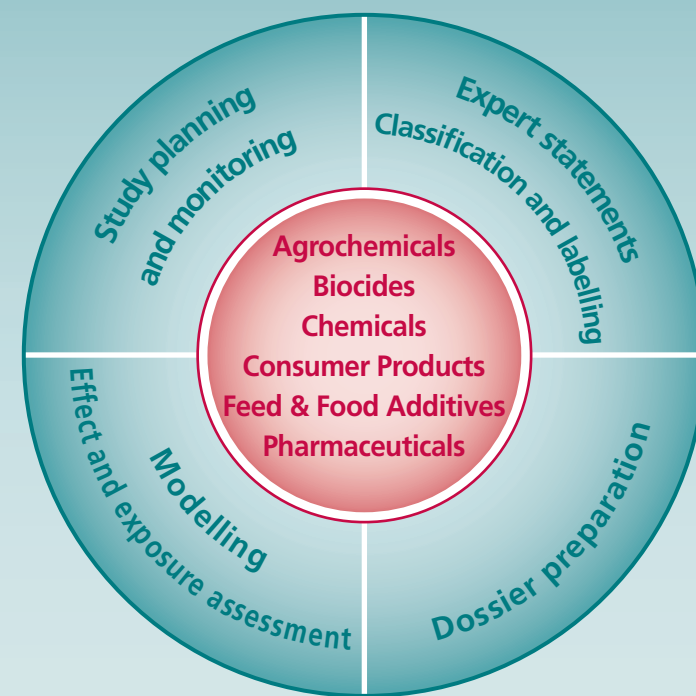
Your contact person for regulatory science:
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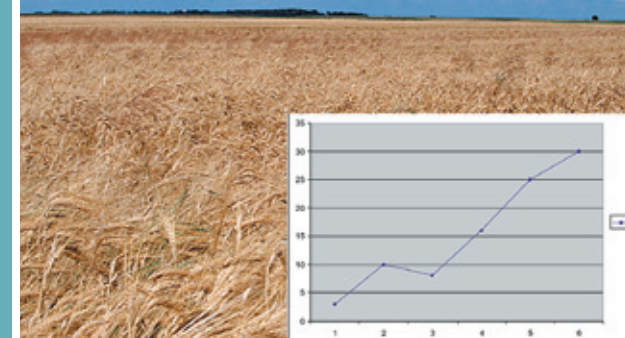
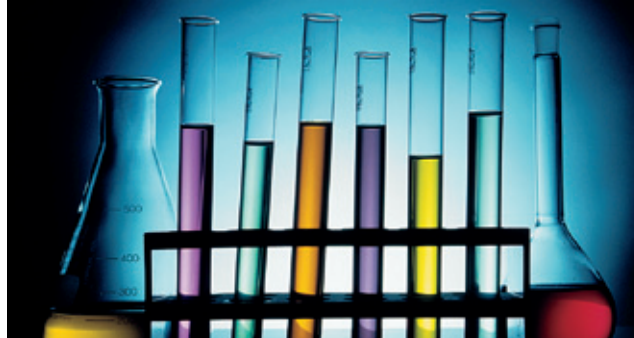


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REGULATORY SCIENCE





Regulatory Science at SCC

The specialists in **SCC's** Regulatory Science unit are the backbone of the company and the key to its success. **SCC** unites experts from all registration-relevant disciplines, such as chemists, food chemists, biologists, geocologists, toxicologists, ecotoxicologists, environmental-fate specialists and agronomists. This access to a wide spectrum of expertise ensures that **SCC's** clients can take advantage of a highly efficient service.

We design and contract all the necessary studies at the laboratories best suited to meet your specific needs if you do not have in-house capacity. We co-operate with either contract or your in-house laboratories through the testing and reporting phases (monitoring) in order to guarantee full compliance with regulatory and scientific requirements and standards. **SCC** has considerable experience in designing, monitoring and evaluating higher tier studies (e.g. operator exposure studies (OPEX studies), micro- / mesocosm studies, birds / mammals (e.g. focal species and effect studies) as well as NTA / bee semi-field and field studies).

The experts in **SCC's** Regulatory Science unit know exactly what the dossier needs to look like, how to perform state-of-the-art risk assessments, as well as knowing which studies and expert statements have to be included where. We have frequently demonstrated successful dossier submission and defense of compounds with our expert work.

Our expertise for agrochemicals, biocides, chemicals and consumer products

- Data gap analysis
- Establishment of testing program
- Study monitoring including designing, monitoring and evaluating the results of higher tier studies
- Expert work including all types of deterministic and probabilistic risk assessments and modelling
- Answers to questions raised by authorities
- Classification and labelling

Environmental Fate & Modelling

Simulation models are a very useful tool for assessing and estimating the environmental, ecological and human health risk of pesticides, chemicals and biocides.

For exposure assessments, **SCC** scientists use a number of models including those which are recognised from the FOCUS group (Forum for the co-ordination of pesticide fate models and their use). The use of these models enables **SCC** to characterise substance properties that are relevant to their environmental fate and estimate the predicted environmental concentration (PEC) of pesticides in soil, groundwater, surface water and air. The PEC values calculated are used by **SCC's** scientists to perform ecological risk assessments based on characterisation of exposure and effects. Higher tier studies can be employed in order to solve critical assessments.

The PEC values calculated are used by **SCC's** scientists to perform ecotoxicological risk assessments based on characterisation of exposure and effects.