

Side Event:

Proposal for ecotoxicological test methods and strategies for the risk assessment of genetically modified plants

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Content



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UN-Naturschutzkonferenz Bonn 2008

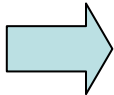


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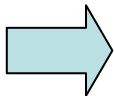
- **Tasks**
- **Environmental risk assessment (ERA) of LMOs / GMOs**
- **Objectives of BfN**
- **Research & Development Projects**



Tasks



BfN is the central scientific authority at federal level in Germany for national and international nature conservation and landscape management



BfN is one of the competent authorities in Germany involved in the regulation of GMOs on national and European level



Tasks

Competent authority involved in the regulation of GMOs in Germany and the EU

Main task within the approval procedures:

- Evaluation and performance of environmental risk assessment
- Evaluation and development of monitoring plans
- Evaluation of monitoring data



Tasks

Competent authority involved in the regulation of GMOs in Germany and the EU

Related tasks:

- ➔ Advancement of scientific tools for the environmental risk assessment
- ➔ Development of scientific concepts and advancement of methods for the monitoring of GMOs
- ➔ Deliver scientific expertise and advise to the Ministry and the Federal States
- ➔ Cooperation with national and international research institutions



Environmental Risk Assessment



Objective and general principles according to the EU Directive 2001/18/EC, Annex II

- ✓ Identify and evaluate potential adverse effects:
 - Direct effects
 - Indirect effects
 - Immediate effects
 - Delayed effects
 - Cumulative long-term effects
- ✓ Case-by-case basis
- ✓ Science based and transparent
- ✓ In accordance with the precautionary principle



Environmental Risk Assessment

Current situation in the EU

- General description of methodology and information required for ERA in the Directive 2001/18/EC
- Regarding the interaction between GMO and the environment guidance on:
- data needed
 - selection of appropriate scientific (test) methods to obtain these data
 - minimum requirements

is still needed



Objektives of BfN

➔ Improvement of ERA by specification and standardisation

- ✓ guarantee a comprehensive assessment on an up-to-date scientific basis
- ✓ using harmonised criteria and concepts
- ✓ defining minimum requirements for data and study designs
- ✓ applying standardised (test) methods

case-by-case principle of ERA requires:

- ✓ considering different biogeographical regions/ receiving environments



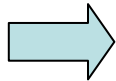
Research & Development Projects



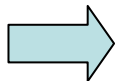
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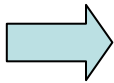
**Standardisation of ERA of
genetically modified plants
in the EU (2006-2008)**



**Ecological requirements on
experimental releases of
genetically modified plants as
basis for subsequent placing
on the market (2008-2010)**



Research & Development Projects



“Analysis and validation of present ecotoxicological test methods and strategies for risk assessment of genetically modified plants (GMPs)”

- Analysis of existing test methods and strategies developed for chemicals/ pesticides
- Elaboration of specific requirements for testing of GMPs
- Proposal for an ecotoxicological testing concept for GMPs





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THANK YOU!

