

Side Event: Standardisation of Methods for the Environmental Monitoring of GMOs

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Content



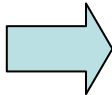
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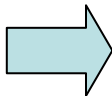
- **Tasks**
- **Environmental monitoring of LMOs/GMOs**
- **Objectives of BfN**
- **Research & development project**



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



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Monitoring of GMOs

Objectives and general principles according to EU Directive 2001/18/EC, Annex VII

- ✓ Post market monitoring
- ✓ Detection of adverse effects of GMOs or its use on human health and the environment at an early stage of manifestation

direct, indirect, immediate, delayed, long term, cumulative and unanticipated adverse effects

- ✓ Case by case basis



Monitoring of GMOs



Current situation in the EU

General framework for the development of a post market monitoring plan in Council Decision 2002/811/EC

Specific guidance is needed concerning the

- development of a monitoring design
- identification of parameters
- selection of methods
- determination of monitoring areas
- establishment of a baseline
- collection and analyses of data



Research and Development Projects



Enhancement of monitoring plans

- ✓ Conceptual development for the monitoring of environmental effects of transgenic crops
- ✓ Guidance on the identification and selection of suitable faunistic indicators
- ✓ Conceptual development of an information system for the monitoring of GMOs
- ✓ Development and implementation of a concept of “ecological damages” caused by GMO
- ✓ Standardisation of methods for the environmental monitoring of GMOs



Research and Development Projects



Standardisation of methods for the environmental monitoring of GMOs

- ✓ Identification of methods required for the monitoring of GMOs
- ✓ Development and standardisation of methods
 - high quality data
 - comparability of national and European-wide data sets



Monitoring of GMOs



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THANK YOU!

