

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

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Bonn - 15 May 2008

Content



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- **Tasks**
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- **Objectives of BfN**
- **Research & development project**

Tasks



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- ➔ 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



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Monitoring of GMOs



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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



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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



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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!