

Conference Topics

Effects of GMO cultivation for large areas

- ... Ecological and social-economic Implications
- ... Sustainability of agricultural systems
- ... GMO and biodiversity / nature conservation
- ... Crop purity issues
- ... Human health implications

Social-economic and operational issues

- ... Co-existence and farmer's choice
- ... GMO free regions
- ... Traceability of GMO in supply chains
- ... Stakeholder concerns and involvement

Monitoring and assessment of GMO

- ... Risk assessment strategies
- ... Analysis of cultivation scenario

Geostatistics, geoinformatics and modelling

- ... Remote sensing and ecological model applications
- ... GIS applications
- ... Internet-based data exchange systems

Comparison with other systemic risks

- ... Management of uncertainties and combinatory effects
- ... Epidemiological aspects
- ... Similarities and differences with systems in chemistry, engineering, economy or medicine

Independent Research

- ... Research funding requirements
- ... Local and international exchange

Contact

Broder Breckling

E-Mail: bbreckling@iuw.uni-vechta.de
Tel. 0049 4441 154 80

Richard Verhoeven

E-Mail: verhoeven@uni-bremen.de
Tel. 0049 421 790 95 93

The conference fee: 90 €
(incl. conference material, proceedings, coffee break)

We invite contributions in form of oral presentations or posters.

Deadlines:

Contributions: **February 29, 2012**

Registration: **March 31, 2012**

For further information and registration please visit:

www.GMLS.eu

GMLS 2012



Invitation to the 3rd International Conference on

Implications of GM-Crop Cultivation at Large Spatial Scales

Bremen, June 14–15, 2012



www.GMLS.eu



Motivation

Development, field testing and cultivation of genetically modified plants are still a controversial issue, regarding scientific assessment as well as in public perception. When entering agricultural application, many conceptual and practical topics require attention, which can not be solved in small-scale experimental settings but require additional considerations on the large scale and long term.

It is an important topic, how effects of large extent can reasonably be considered and anticipated in risk analysis during the approval procedure, and efficiently be monitored during commercial use of GMO.

The conference aims at compiling and discussing methods, strategies, and experiences which address the issues related to large scale cultivation of GM plants. Topics include empirical work related to risk assessment, theoretical concepts, as well as methodological aspects facing large spatial and temporal dimensions, including inter- and transdisciplinary studies. Stakeholder involvement is also important.

An additional focus will be to compare strategies for GMO assessment and management with approaches in other fields of science and technology.

Context

GM plants are tested under specific local conditions. However, notification and approval are granted for entire states or even supra-national entities like the European Union. As commodities, they are traded on the world market, where transboundary movement of GMO plays an important role.

It is not obvious how processes analysed on the laboratory and field level may be extrapolated to landscapes and regions. Furthermore, experiences gained under specific climatic and biocenotic conditions may neither be valid nor transferable to other regions, which differ in bio-geographic conditions or agricultural traditions. Since GM plants can eventually reproduce and potentially persist in near natural habitats, the relevance of long-term processes come in focus.

With respect to the co-existence of different production systems, reliable co-existence measures must base on an ex ante regional analysis in order to ensure segregation in cultivation and processing. All the more, the development of adequate methods for risk assessment and risk management is decisive to address potential risks on large spatial and temporal scales.

With this conference we want to provide a platform to collate and discuss available approaches in the mentioned fields and discuss the state-of-the-art in the relevant disciplines. Our intention is to bring together expertise from different disciplines to communicate innovative methods and to enhance progress in assessing large scale and long term implications of GMO cultivation. The current conference continues the prosperous exchange at the first GMLS conferences in 2008 and 2010.

Location

Haus der Wissenschaft (House of Science)
in the heart of Bremen

Sandstraße 4/5 • 28195 Bremen
www.hausderwissenschaft.de
N 53° 04.532' – E 8° 48.610'



Organising Committee

Broder Breckling (University of Bremen; University of Vechta)
Christiane Eschenbach (University of Kiel, Germany)
Thomas Jahn (Institute for Social Ecological Research, Frankfurt/M)
Hartmut Meyer (German Ecological Society, Specialist Group
Genetic Engineering and Ecology)
Gunther Schmidt, Winfried Schröder (University of Vechta)
Christoph Then (testbiotech)
Richard Verhoeven (University of Bremen)
Wiebke Züghart (Federal Agency for Nature Conservation, Bonn)