




## Capacity Building Needs and Priorities

### Record information and status

Record ID	102841
Status	 Published
Date of creation	2011-11-25 14:23 UTC (andrew.bowers@cbd.int)
Date of last update	2011-11-25 20:32 UTC (andrew.bowers@cbd.int)
Date of publication	2011-11-25 20:32 UTC (andrew.bowers@cbd.int)

### General Information

#### Country

- Niue

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### Areas of capacity building

#### Broad areas in which capacity is needed

- Human resources capacity development and training
- Risk assessment and other scientific and technical expertise
- Risk management
- Public awareness, participation and education in biosafety
- Information exchange and data management including participation in the Biosafety Clearing-House
- Scientific, technical and institutional collaboration at subregional, regional and international levels
- Identification of LMOs, including their detection
- Measures to address unintentional and/or illegal transboundary movements of LMOs
- Taking into account risks to human health

### Needs and priorities

#### Specific needs and priorities

- Mechanism for coordination among national regulatory authorities and processes**

##### *Extent of implementation*

- Adequately addressed

##### *Preferred means*

- Technical assistance and advice
- Education and training
- Conferences and other fora

##### *Major target groups*

- Technical personnel / Scientists
- IT, BCH and data / information managers
- Government regulators /

• **System for management of records related to LMO import applications and decisions**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Exchange programmes, internships, study tours, etc.
- Education and training
- Conferences and other fora

administrators

*Major target groups*

- Decision / policy-makers (e.g. Ministers)
- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)

• **System for decision-making on LMOs (procedures and guidelines)**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Technical assistance and advice
- Education and training
- Funding support

*Major target groups*

- Decision / policy-makers (e.g. Ministers)
- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)

• **Access to information communication technologies (ICTs)**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Guidance / training materials
- Funding support
- Education and training

*Major target groups*

- Enforcement officials (e.g. field inspectors)
- Technicians (e.g. in the laboratories)
- Other professionals (e.g. lawyers, economists, etc.)

• **Internet connectivity**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Technical assistance and advice
- Funding support
- Education and training

*Major target groups*

- IT, BCH and data / information managers
- Technical personnel / Scientists
- Government regulators / administrators

• **Access to information on available funding sources**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Exchange programmes, internships, study tours, etc.
- Education and training
- Membership with professional bodies / networks

*Major target groups*

- Decision / policy-makers (e.g. Ministers)
- Interest groups (consumer groups, farmers, NGOs, etc.)
- Other professionals (e.g. lawyers, economists, etc.)

• **Resource mobilisation skills (including project proposal writing)**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Guidance / training materials
- Technical assistance and advice

*Major target groups*

- IT, BCH and data / information managers
- Mass media / extension workers
- Technical personnel / Scientists

• **System for tracking and dealing with unintentional or illegal transboundary movements**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Technical assistance and advice
- Exchange programmes, internships, study tours, etc.
- Funding support

*Major target groups*

- Customs officials
- Enforcement officials (e.g. field inspectors)
- Decision / policy-makers (e.g. Ministers)

• **System for post-release monitoring of LMOs**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Funding support
- Education and training

*Major target groups*

- Enforcement officials (e.g. field inspectors)

	<ul style="list-style-type: none"> <li>• Technical assistance and advice</li> </ul>	<ul style="list-style-type: none"> <li>• Technical personnel / Scientists</li> <li>• Mass media / extension workers</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Access to information on existing academic training programmes in biosafety</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Adequately addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Conferences and other fora</li> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Membership with professional bodies / networks</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• IT, BCH and data / information managers</li> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Access to biosafety training materials</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Adequately addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Funding support</li> <li>• Education and training</li> <li>• Guidance / training materials</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Access to information on staff exchange/on-the-job-training opportunities</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Scholarships / fellowships</li> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Membership with professional bodies / networks</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Mass media / extension workers</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in biosafety legislation and policy development and practice</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Membership with professional bodies / networks</li> <li>• Technical assistance and advice</li> <li>• Guidance / training materials</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> <li>• Technical personnel / Scientists</li> <li>• Government regulators / administrators</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in scientific and technical fields relevant to biosafety</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Conferences and other fora</li> <li>• Scholarships / fellowships</li> <li>• Exchange programmes, internships, study tours, etc.</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>◦ [Not specified]</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in legal, social and economic fields relevant to biosafety</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Scholarships / fellowships</li> <li>• Conferences and other fora</li> <li>• Exchange programmes, internships, study tours, etc.</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in basics of biosafety and modern biotechnology</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Adequately addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Education and training</li> <li>• Guidance / training materials</li> <li>• Funding support</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Decision / policy-makers (e.g. Ministers)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in risk assessment</b></li> </ul>		
<i>Extent of implementation</i> <ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<i>Preferred means</i> <ul style="list-style-type: none"> <li>• Conferences and other fora</li> <li>• Funding support</li> <li>• Technical assistance and advice</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> </ul>

- **Training in risk management**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Funding support
- Scholarships / fellowships
- Education and training

*Major target groups*

- Mass media / extension workers
- General public
- Enforcement officials (e.g. field inspectors)

- **Training in biosafety regulatory issues**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Funding support
- Exchange programmes, internships, study tours, etc.
- Scholarships / fellowships

*Major target groups*

- Mass media / extension workers
- General public
- Enforcement officials (e.g. field inspectors)

- **Training in biosafety communication**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Funding support
- Scholarships / fellowships
- Technical assistance and advice

*Major target groups*

- Mass media / extension workers
- Enforcement officials (e.g. field inspectors)
- General public

- **Training in LMO sampling and detection**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Funding support
- Technical assistance and advice
- Guidance / training materials

*Major target groups*

- Enforcement officials (e.g. field inspectors)
- Interest groups (consumer groups, farmers, NGOs, etc.)
- Mass media / extension workers

- **Training in post-release monitoring of LMOs**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Education and training
- Technical assistance and advice
- Guidance / training materials

*Major target groups*

- Enforcement officials (e.g. field inspectors)
- General public
- Mass media / extension workers

- **Training in administrative practices for handling LMO import and release applications**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Education and training
- Scholarships / fellowships
- Exchange programmes, internships, study tours, etc.

*Major target groups*

- Interest groups (consumer groups, farmers, NGOs, etc.)
- Enforcement officials (e.g. field inspectors)
- Mass media / extension workers

- **Training in preparation and presentation of LMO export or release applications/dossiers**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Conferences and other fora
- Exchange programmes, internships, study tours, etc.
- Guidance / training materials

*Major target groups*

- Mass media / extension workers
- Enforcement officials (e.g. field inspectors)
- Interest groups (consumer groups, farmers, NGOs, etc.)

- **Training in socio-economic considerations relating to LMOs**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Conferences and other fora
- Guidance / training materials
- Exchange programmes, internships, study tours, etc.

*Major target groups*

- Other professionals (e.g. lawyers, economists, etc.)
- Enforcement officials (e.g. field inspectors)
- Mass media / extension workers

- **Training in cost/benefit analysis as part of the risk management strategy**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Membership with professional bodies / networks

*Major target groups*

- Enforcement officials (e.g. field inspectors)

	<ul style="list-style-type: none"> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Technical assistance and advice</li> </ul>	<ul style="list-style-type: none"> <li>• Customs officials</li> <li>• Graduate and undergraduate students</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in documentation and identification requirements for LMO shipments</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Funding support</li> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Technical assistance and advice</li> </ul>	<ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Mass media / extension workers</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in compliance requirements under the Protocol</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Technical assistance and advice</li> <li>• Conferences and other fora</li> </ul>	<ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in liability and redress issues under the Protocol</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Conferences and other fora</li> <li>• Guidance / training materials</li> <li>• Education and training</li> </ul>	<ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Customs officials</li> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Guidance on other international agreements relevant to biosafety</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Conferences and other fora</li> <li>• Technical assistance and advice</li> <li>• Exchange programmes, internships, study tours, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Decision / policy-makers (e.g. Ministers)</li> <li>• Technical personnel / Scientists</li> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Access to basic ecological data to support risk assessments</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Conferences and other fora</li> <li>• Guidance / training materials</li> </ul>	<ul style="list-style-type: none"> <li>• Mass media / extension workers</li> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Guidance documents on specific aspects of risk assessment</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Adequately addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Funding support</li> <li>• Technical assistance and advice</li> <li>• Guidance / training materials</li> </ul>	<ul style="list-style-type: none"> <li>• Customs officials</li> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Mass media / extension workers</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Guidance on how to perform risk assessment</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Adequately addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Guidance / training materials</li> <li>• Technical assistance and advice</li> <li>• Exchange programmes, internships, study tours, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Technical personnel / Scientists</li> <li>• Graduate and undergraduate students</li> </ul>
<ul style="list-style-type: none"> <li>• <b>National risk management system/strategy</b></li> </ul>		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> <li>• Adequately addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Technical assistance and advice</li> <li>• Exchange programmes, internships, study tours, etc.</li> <li>• Conferences and other fora</li> </ul>	<ul style="list-style-type: none"> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> <li>• IT, BCH and data / information managers</li> </ul>

• **System to detect and appropriately respond to unintentional LMO releases**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Guidance / training materials
- Technical assistance and advice
- Membership with professional bodies / networks

*Major target groups*

- Decision / policy-makers (e.g. Ministers)
- Enforcement officials (e.g. field inspectors)
- Mass media / extension workers

• **Guidance on different risk management measures**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Education and training
- Technical assistance and advice
- Exchange programmes, internships, study tours, etc.

*Major target groups*

- General public
- Enforcement officials (e.g. field inspectors)
- Interest groups (consumer groups, farmers, NGOs, etc.)

• **Mechanisms for cooperation in risk management**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Guidance / training materials
- Education and training
- Technical assistance and advice

*Major target groups*

- Enforcement officials (e.g. field inspectors)
- Mass media / extension workers
- Technical personnel / Scientists

• **National framework/system for post-release monitoring of LMOs**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Technical assistance and advice
- Exchange programmes, internships, study tours, etc.
- Guidance / training materials

*Major target groups*

- Technical personnel / Scientists
- Enforcement officials (e.g. field inspectors)
- IT, BCH and data / information managers

• **Tools and methodologies for environmental monitoring of LMOs**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Funding support
- Exchange programmes, internships, study tours, etc.
- Education and training

*Major target groups*

- Mass media / extension workers
- Enforcement officials (e.g. field inspectors)
- Technical personnel / Scientists

• **Biosafety awareness materials**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Technical assistance and advice
- Guidance / training materials
- Funding support

*Major target groups*

- Mass media / extension workers
- General public
- Interest groups (consumer groups, farmers, NGOs, etc.)

• **Biosafety awareness and education programmes**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Guidance / training materials
- Scholarships / fellowships
- Education and training

*Major target groups*

- General public
- Mass media / extension workers
- Interest groups (consumer groups, farmers, NGOs, etc.)

• **Biosafety documentation units or reference libraries**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Funding support
- Guidance / training materials
- Education and training

*Major target groups*

- General public
- Interest groups (consumer groups, farmers, NGOs, etc.)
- Mass media / extension workers

• **Facilities for public access to biosafety information and means of access to the Biosafety Clearing-House**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Funding support
- Membership with professional bodies / networks

*Major target groups*

- General public
- Mass media / extension workers
- Interest groups (consumer groups,

<ul style="list-style-type: none"> <li>• <b>National biosafety website</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<ul style="list-style-type: none"> <li>• Technical assistance and advice</li> </ul> <p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Funding support</li> <li>• Education and training</li> <li>• Technical assistance and advice</li> </ul>	<p>farmers, NGOs, etc.)</p> <p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• General public</li> <li>• Interest groups (consumer groups, farmers, NGOs, etc.)</li> <li>• Decision / policy-makers (e.g. Ministers)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Biosafety outreach strategy/ communication plan</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Partially addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Funding support</li> <li>• Guidance / training materials</li> <li>• Technical assistance and advice</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• Decision / policy-makers (e.g. Ministers)</li> <li>• Government regulators / administrators</li> <li>• IT, BCH and data / information managers</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Training in risk-communication</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Guidance / training materials</li> <li>• Technical assistance and advice</li> <li>• Conferences and other fora</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• Mass media / extension workers</li> <li>• Technical personnel / Scientists</li> <li>• Mass media / extension workers</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Systems for public participation in biosafety</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Technical assistance and advice</li> <li>• Guidance / training materials</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>National system (policy, procedures and mechanisms) for biosafety information management</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Funding support</li> <li>• Technical assistance and advice</li> <li>• Education and training</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• Decision / policy-makers (e.g. Ministers)</li> <li>• Government regulators / administrators</li> <li>• Other professionals (e.g. lawyers, economists, etc.)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Equipment (hardware and software) to facilitate national participation in the BCH</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Funding support</li> <li>• Education and training</li> <li>• Technical assistance and advice</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• IT, BCH and data / information managers</li> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Establishment of national biosafety databases</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Funding support</li> <li>• Technical assistance and advice</li> <li>• Membership with professional bodies / networks</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• IT, BCH and data / information managers</li> <li>• Enforcement officials (e.g. field inspectors)</li> <li>• Technical personnel / Scientists</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Interoperability with the BCH central portal</b></li> </ul> <p><i>Extent of implementation</i></p> <ul style="list-style-type: none"> <li>• Minimally addressed</li> </ul>	<p><i>Preferred means</i></p> <ul style="list-style-type: none"> <li>• Education and training</li> <li>• Funding support</li> <li>• Technical assistance and advice</li> </ul>	<p><i>Major target groups</i></p> <ul style="list-style-type: none"> <li>• IT, BCH and data / information managers</li> <li>• Technical personnel / Scientists</li> <li>• Interest groups (consumer groups,</li> </ul>

<b>• Non-Internet access to the BCH</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Minimally addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Technical assistance and advice</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>farmers, NGOs, etc.)</li> </ul>
<b>• Systems for data and information security and back-up</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Minimally addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Funding support</li> <li>Technical assistance and advice</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>Mass media / extension workers</li> <li>General public</li> <li>Interest groups (consumer groups, farmers, NGOs, etc.)</li> </ul>
<b>• Systems for data validation and quality control</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Minimally addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Funding support</li> <li>Education and training</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>IT, BCH and data / information managers</li> <li>Technical personnel / Scientists</li> </ul>
<b>• Mechanism for biosafety information gathering and reporting</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Minimally addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Guidance / training materials</li> <li>Technical assistance and advice</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>IT, BCH and data / information managers</li> </ul>
<b>• Training in the use and management of the BCH central portal</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Minimally addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Guidance / training materials</li> <li>Technical assistance and advice</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>IT, BCH and data / information managers</li> </ul>
<b>• Mechanisms for regional cooperation</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Adequately addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Technical assistance and advice</li> <li>Conferences and other fora</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>Enforcement officials (e.g. field inspectors)</li> <li>Government regulators / administrators</li> <li>IT, BCH and data / information managers</li> </ul>
<b>• Training in collaboration techniques and approaches</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Partially addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Funding support</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>Enforcement officials (e.g. field inspectors)</li> <li>Interest groups (consumer groups, farmers, NGOs, etc.)</li> <li>Enforcement officials (e.g. field inspectors)</li> </ul>
<b>• Training in negotiation skills</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Minimally addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Funding support</li> <li>Conferences and other fora</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>Decision / policy-makers (e.g. Ministers)</li> <li>Other professionals (e.g. lawyers, economists, etc.)</li> </ul>
<b>• Access to information on available technologies relevant for biosafety</b> <i>Extent of implementation</i> <ul style="list-style-type: none"> <li>Adequately addressed</li> </ul>		<i>Preferred means</i> <ul style="list-style-type: none"> <li>Exchange programmes, internships, study tours, etc.</li> <li>Technical assistance and advice</li> </ul>	<i>Major target groups</i> <ul style="list-style-type: none"> <li>Interest groups (consumer groups, farmers, NGOs, etc.)</li> <li>Enforcement officials (e.g. field inspectors)</li> <li>Technicians (e.g. in the laboratories)</li> </ul>
<b>• Establishment of technology information platforms</b> <i>Extent of implementation</i>		<i>Preferred means</i>	<i>Major target groups</i>



- Minimally addressed

- Funding support
- Conferences and other fora

- IT, BCH and data / information managers
- Other professionals (e.g. lawyers, economists, etc.)

• **Laboratory for LMO detection and analysis**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Technical assistance and advice

*Major target groups*

- Technicians (e.g. in the laboratories)
- Graduate and undergraduate students

• **Guidance on unique identification systems**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Technical assistance and advice
- Conferences and other fora

*Major target groups*

- Customs officials
- Enforcement officials (e.g. field inspectors)

• **Simple/quick LMO test kits**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Technical assistance and advice

*Major target groups*

- Technicians (e.g. in the laboratories)
- Technical personnel / Scientists
- Enforcement officials (e.g. field inspectors)

• **Mechanisms for cooperation on research on socio-economic impacts of LMOs**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Guidance / training materials
- Education and training

*Major target groups*

- Other professionals (e.g. lawyers, economists, etc.)
- Enforcement officials (e.g. field inspectors)

• **Development of LMO traceability systems**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Guidance / training materials
- Technical assistance and advice

*Major target groups*

- Enforcement officials (e.g. field inspectors)
- Technical personnel / Scientists

• **Training in biosafety record keeping and information security**

*Extent of implementation*

- Adequately addressed

*Preferred means*

- Funding support
- Technical assistance and advice

*Major target groups*

- Enforcement officials (e.g. field inspectors)

• **Guidance on assessment risks of LMOs to human health**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Education and training
- Technical assistance and advice

*Major target groups*

- Enforcement officials (e.g. field inspectors)

• **Regulatory framework for addressing human health impacts of LMOs**

*Extent of implementation*

- Partially addressed

*Preferred means*

- Technical assistance and advice

*Major target groups*

- Enforcement officials (e.g. field inspectors)