




Capacity Building Needs and Priorities

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General Information

Country

- Nauru

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Areas of capacity building

Broad areas in which capacity is needed

- Institutional capacity
- 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
- Technology transfer
- Identification of LMOs, including their detection
- Socio-economic considerations
- Implementation of the documentation requirements under Article 18.2 of the Protocol
- Taking into account risks to human health

Needs and priorities

Specific needs and priorities

Development of a national biosafety policy

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Technical personnel / Scientists
- Customs officials
- Government regulators / administrators

Development of national biosafety laws and regulations

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Funding support

Major target groups

- Technical personnel / Scientists
- Government regulators /

	<ul style="list-style-type: none"> Guidance / training materials 	<ul style="list-style-type: none"> administrators Customs officials
<ul style="list-style-type: none"> Guidance on mainstreaming of biosafety into other sectors 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Education and training Funding support Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
<ul style="list-style-type: none"> Development of a national liability and redress regime 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Technical personnel / Scientists Customs officials Government regulators / administrators
<ul style="list-style-type: none"> Support for implementation of the national biosafety framework 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
<ul style="list-style-type: none"> Streamlining of regulatory systems related to biosafety 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Technical personnel / Scientists Government regulators / administrators Customs officials
<ul style="list-style-type: none"> Tools for enforcement of biosafety laws and regulations 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
<ul style="list-style-type: none"> Development of administrative systems for handling applications for import and/or release of LMOs 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
<ul style="list-style-type: none"> Mechanisms for inter-institutional communication 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
<ul style="list-style-type: none"> Mechanism for coordination among national regulatory authorities and processes 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
<ul style="list-style-type: none"> System for management of records related to LMO import applications and decisions 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials

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

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Customs officials

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Customs officials
- Technical personnel / Scientists

- **Internet connectivity**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- [Not specified]

- **Office facilities, equipment and supplies for biosafety work**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Customs officials

- **Telecommunication facilities (e.g. telephone, fax, e-mail)**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Technical personnel / Scientists
- Government regulators / administrators
- Customs officials

- **Budgeting and financial management skills**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Customs officials

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Customs officials

- **System for resource-recovery (e.g. system for collecting fees on applications)**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Technical personnel / Scientists
- Customs officials
- Government regulators / administrators

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

Extent of implementation

Preferred means

Major target groups

<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
Mechanism for inspections and enforcement of biosafety laws		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
System for post-release monitoring of LMOs		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Customs officials Technical personnel / Scientists
Access to information on existing academic training programmes in biosafety		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
Access to biosafety training materials		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
Access to information on staff exchange/on-the-job-training opportunities		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
Training in biosafety legislation and policy development and practice		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Minimally addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
Training in scientific and technical fields relevant to biosafety		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Technical personnel / Scientists Customs officials
Training in legal, social and economic fields relevant to biosafety		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> Not addressed 	<ul style="list-style-type: none"> Funding support Education and training Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Interest groups (consumer groups, farmers, NGOs, etc.)
Training in basics of biosafety and modern biotechnology		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>

<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Technical personnel / Scientists
<ul style="list-style-type: none"> • Training in risk assessment 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Government regulators / administrators • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors)
<ul style="list-style-type: none"> • Training in risk management 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Scholarships / fellowships 	<ul style="list-style-type: none"> • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials
<ul style="list-style-type: none"> • Training in biosafety regulatory issues 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials
<ul style="list-style-type: none"> • Training in biosafety communication 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Education and training • Funding support • Guidance / training materials 	<ul style="list-style-type: none"> • Government regulators / administrators • IT, BCH and data / information managers • Mass media / extension workers
<ul style="list-style-type: none"> • Training in LMO sampling and detection 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Guidance / training materials • Education and training 	<ul style="list-style-type: none"> • Graduate and undergraduate students • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors)
<ul style="list-style-type: none"> • Training in post-release monitoring of LMOs 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Technical personnel / Scientists
<ul style="list-style-type: none"> • Training in administrative practices for handling LMO import and release applications 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • Government regulators / administrators • Technical personnel / Scientists • Customs officials
<ul style="list-style-type: none"> • Training in preparation and presentation of LMO export or release applications/dossiers 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support 	<ul style="list-style-type: none"> • Government regulators /

	<ul style="list-style-type: none"> • Education and training • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • administrators • Enforcement officials (e.g. field inspectors) • Customs officials
<ul style="list-style-type: none"> • Training in socio-economic considerations relating to LMOs 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Education and training • Funding support • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • Government regulators / administrators • Interest groups (consumer groups, farmers, NGOs, etc.) • Enforcement officials (e.g. field inspectors)
<ul style="list-style-type: none"> • Training in cost/benefit analysis as part of the risk management strategy 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • Government regulators / administrators • Other professionals (e.g. lawyers, economists, etc.) • Interest groups (consumer groups, farmers, NGOs, etc.)
<ul style="list-style-type: none"> • Training in documentation and identification requirements for LMO shipments 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) • Customs officials
<ul style="list-style-type: none"> • Training in compliance requirements under the Protocol 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Customs officials • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
<ul style="list-style-type: none"> • Training in liability and redress issues under the Protocol 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Technical personnel / Scientists • Government regulators / administrators • Customs officials
<ul style="list-style-type: none"> • Guidance on other international agreements relevant to biosafety 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Government regulators / administrators • Decision / policy-makers (e.g. Ministers) • Enforcement officials (e.g. field inspectors)
<ul style="list-style-type: none"> • Access to basic ecological data to support risk assessments 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) • IT, BCH and data / information managers
<ul style="list-style-type: none"> • Guidance documents on specific aspects of risk assessment 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>

- Minimally addressed

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

- Government regulators / administrators
- Technical personnel / Scientists
- Customs officials

• Guidance on how to perform risk assessment

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

• National risk management system/strategy

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Decision / policy-makers (e.g. Ministers)
- Technical personnel / Scientists

• System to detect and appropriately respond to unintentional LMO releases

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)
- Customs officials

• Guidance on different risk management measures

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Customs officials
- Technical personnel / Scientists

• Mechanisms for cooperation in risk management

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)
- Customs officials

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

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Graduate and undergraduate students

• Tools and methodologies for environmental monitoring of LMOs

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Graduate and undergraduate students

• Biosafety awareness materials

Extent of implementation

- Minimally addressed

Preferred means

- Funding support
- Education and training

Major target groups

- Decision / policy-makers (e.g. Ministers)

	<ul style="list-style-type: none"> • Exchange programmes, internships, study tours, etc. 	<ul style="list-style-type: none"> • Government regulators / administrators • Mass media / extension workers
<ul style="list-style-type: none"> • Biosafety awareness and education programmes 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Conferences and other fora 	<ul style="list-style-type: none"> • Government regulators / administrators • Mass media / extension workers • Other professionals (e.g. lawyers, economists, etc.)
<ul style="list-style-type: none"> • Biosafety documentation units or reference libraries 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Mass media / extension workers • Government regulators / administrators • Graduate and undergraduate students
<ul style="list-style-type: none"> • Facilities for public access to biosafety information and means of access to the Biosafety Clearing-House 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Decision / policy-makers (e.g. Ministers) • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
<ul style="list-style-type: none"> • National biosafety website 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Minimally addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Membership with professional bodies / networks 	<ul style="list-style-type: none"> • IT, BCH and data / information managers • Decision / policy-makers (e.g. Ministers) • Interest groups (consumer groups, farmers, NGOs, etc.)
<ul style="list-style-type: none"> • Biosafety outreach strategy/ communication plan 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Interest groups (consumer groups, farmers, NGOs, etc.) • IT, BCH and data / information managers • Decision / policy-makers (e.g. Ministers)
<ul style="list-style-type: none"> • Training in risk-communication 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Government regulators / administrators • Interest groups (consumer groups, farmers, NGOs, etc.) • Other professionals (e.g. lawyers, economists, etc.)
<ul style="list-style-type: none"> • Systems for public participation in biosafety 		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
<ul style="list-style-type: none"> • Not addressed 	<ul style="list-style-type: none"> • Funding support • Education and training • Guidance / training materials 	<ul style="list-style-type: none"> • Decision / policy-makers (e.g. Ministers) • Government regulators / administrators • Enforcement officials (e.g. field inspectors)

• **National system (policy, procedures and mechanisms) for biosafety information management**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

• **Equipment (hardware and software) to facilitate national participation in the BCH**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

• **Establishment of national biosafety databases**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Technicians (e.g. in the laboratories)
- Technical personnel / Scientists
- Government regulators / administrators

• **Interoperability with the BCH central portal**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Government regulators / administrators
- Technical personnel / Scientists

• **Non-Internet access to the BCH**

Extent of implementation

- Minimally addressed

Preferred means

- Funding support
- Education and training
- Membership with professional bodies / networks

Major target groups

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

• **Systems for data and information security and back-up**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- IT, BCH and data / information managers
- Enforcement officials (e.g. field inspectors)

• **Systems for data validation and quality control**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Government regulators / administrators
- Technical personnel / Scientists

• **Mechanism for biosafety information gathering and reporting**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)
- Customs officials

• **Training in the use and management of the BCH central portal**

Extent of implementation

- Not addressed

Preferred means

- Funding support
- Education and training
- Conferences and other fora

Major target groups

- IT, BCH and data / information managers
- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)

• **Mechanisms for regional cooperation**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Government regulators / administrators
- Graduate and undergraduate students

• **Training in collaboration techniques and approaches**

Extent of implementation

- Minimally addressed

Preferred means

- Funding support
- Education and training
- Membership with professional bodies / networks

Major target groups

- Government regulators / administrators
- Graduate and undergraduate students
- Interest groups (consumer groups, farmers, NGOs, etc.)

• **Training in negotiation skills**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Interest groups (consumer groups, farmers, NGOs, etc.)
- Enforcement officials (e.g. field inspectors)
- Government regulators / administrators

• **Access to information on available technologies relevant for biosafety**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

• **Enabling policy/regulatory framework for technology transfer**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Government regulators / administrators
- Other professionals (e.g. lawyers, economists, etc.)

• **Establishment of technology information platforms**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Graduate and undergraduate students
- IT, BCH and data / information managers
- Government regulators / administrators

• **National framework and action plan for technology transfer**

Extent of implementation

Preferred means

Major target groups

- Minimally addressed

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

- Government regulators / administrators
- Decision / policy-makers (e.g. Ministers)
- Mass media / extension workers

• Public-private partnerships for technology development

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Mass media / extension workers
- Other professionals (e.g. lawyers, economists, etc.)
- Government regulators / administrators

• Laboratory for LMO detection and analysis

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Technicians (e.g. in the laboratories)
- Technical personnel / Scientists
- Graduate and undergraduate students

• Guidance on unique identification systems

Extent of implementation

- Not addressed

Preferred means

- Education and training
- Guidance / training materials

Major target groups

- Customs officials
- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)

• Simple/quick LMO test kits

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)
- Customs officials

• National system for taking into account socio-economic considerations in decision-making regarding LMOs

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Other professionals (e.g. lawyers, economists, etc.)
- Government regulators / administrators
- Mass media / extension workers

• Guidance on taking into account socio-economic considerations in decision-making concerning LMOs

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Other professionals (e.g. lawyers, economists, etc.)

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists
- Graduate and undergraduate students

• Development of LMO traceability systems

Extent of implementation

- Not addressed

Preferred means

- Funding support

Major target groups

- Government regulators /

- Education and training
- Scholarships / fellowships

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

• **Establishment of identity preservation systems**

Extent of implementation

- Minimally addressed

Preferred means

- Funding support
- Education and training
- Membership with professional bodies / networks

Major target groups

- Government regulators / administrators
- Technicians (e.g. in the laboratories)
- Other professionals (e.g. lawyers, economists, etc.)

• **National system for inspection and verification of documentation accompanying LMO shipments**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)
- Customs officials

• **National system for managing and protecting confidential information**

Extent of implementation

- Not addressed

Preferred means

- Funding support
- Education and training
- Membership with professional bodies / networks

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Government regulators / administrators
- Other professionals (e.g. lawyers, economists, etc.)

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

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Enforcement officials (e.g. field inspectors)
- Customs officials

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

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

- Technicians (e.g. in the laboratories)
- Government regulators / administrators
- Technical personnel / Scientists

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Graduate and undergraduate students
- Technicians (e.g. in the laboratories)
- Government regulators / administrators

Additional Information

Any other relevant information

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