



Capacity Building Needs and Priorities

Record information and status

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General Information

Country

- Marshall Islands

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Areas of capacity building

Broad areas in which capacity is needed

- Institutional capacity
- Risk management
- Public awareness, participation and education in biosafety
- Information exchange and data management including participation in the Biosafety Clearing-House
- Technology transfer
- Implementation of the documentation requirements under Article 18.2 of the Protocol
- Handling of confidential information

Needs and priorities

Specific needs and priorities

Development of a national biosafety policy

Extent of implementation

- Partially addressed

Preferred means

- Education and training
- Guidance / training materials

Major target groups

- General public
- Mass media / extension workers

Development of national biosafety laws and regulations

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

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

Guidance on mainstreaming of biosafety into other sectors

Extent of implementation

Preferred means

Major target groups

- Partially addressed

- Education and training
- Guidance / training materials

- General public

• Development of a national liability and redress regime

Extent of implementation

- Minimally addressed

Preferred means

- Guidance / training materials

Major target groups

- General public

• Support for implementation of the national biosafety framework

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- General public
- Mass media / extension workers
- Technical personnel / Scientists

• Streamlining of regulatory systems related to biosafety

Extent of implementation

- Minimally addressed

Preferred means

- Technical assistance and advice

Major target groups

- Mass media / extension workers

• Tools for enforcement of biosafety laws and regulations

Extent of implementation

- Minimally addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

• Development of administrative systems for handling applications for import and/or release of LMOs

Extent of implementation

- Minimally addressed

Preferred means

- Exchange programmes, internships, study tours, etc.

Major target groups

- [Not specified]

• Mechanisms for inter-institutional communication

Extent of implementation

- Partially addressed

Preferred means

- Education and training

Major target groups

- Government regulators / administrators

• Mechanism for coordination among national regulatory authorities and processes

Extent of implementation

- Partially addressed

Preferred means

- Guidance / training materials

Major target groups

- Mass media / extension workers

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

Extent of implementation

- Not addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

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

Extent of implementation

- Not addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

• Access to information communication technologies (ICTs)

Extent of implementation

- Minimally addressed

Preferred means

- Guidance / training materials

Major target groups

- Government regulators / administrators

• Internet connectivity

Extent of implementation

- Adequately addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Mass media / extension workers
- General public

• Office facilities, equipment and supplies for biosafety work

Extent of implementation

- Adequately addressed

Preferred means

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

Major target groups

- General public
- Government regulators / administrators
- Technical personnel /

			Scientists
<ul style="list-style-type: none"> Telecommunication facilities (e.g. telephone, fax, e-mail) 			
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>	
<ul style="list-style-type: none"> Fully addressed 	<ul style="list-style-type: none"> Education and training Funding support Guidance / training materials 	<ul style="list-style-type: none"> General public Government regulators / administrators Mass media / extension workers 	
<ul style="list-style-type: none"> Access to information on available funding sources 			
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>	
<ul style="list-style-type: none"> Partially addressed 	<ul style="list-style-type: none"> Funding support Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators Customs officials 	
<ul style="list-style-type: none"> Budgeting and financial management skills 			
<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"> Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators 	
<ul style="list-style-type: none"> Resource mobilisation skills (including project proposal writing) 			
<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 	<ul style="list-style-type: none"> Government regulators / administrators 	
<ul style="list-style-type: none"> System for resource-recovery (e.g. system for collecting fees on applications) 			
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>	
<ul style="list-style-type: none"> Partially addressed 	<ul style="list-style-type: none"> Guidance / training materials 	<ul style="list-style-type: none"> Mass media / extension workers 	
<ul style="list-style-type: none"> System for tracking and dealing with unintentional or illegal transboundary movements 			
<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"> [Not specified] 	<ul style="list-style-type: none"> [Not specified] 	
<ul style="list-style-type: none"> 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"> Adequately addressed 	<ul style="list-style-type: none"> Guidance / training materials 	<ul style="list-style-type: none"> Government regulators / administrators 	
<ul style="list-style-type: none"> 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"> [Not specified] 	<ul style="list-style-type: none"> [Not specified] 	
<ul style="list-style-type: none"> 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"> Partially addressed 	<ul style="list-style-type: none"> Education and training 	<ul style="list-style-type: none"> Mass media / extension workers 	
<ul style="list-style-type: none"> 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"> Adequately addressed 	<ul style="list-style-type: none"> Education and training 	<ul style="list-style-type: none"> Mass media / extension workers 	
<ul style="list-style-type: none"> 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"> Adequately addressed 	<ul style="list-style-type: none"> Education and training Funding support Guidance / training materials 	<ul style="list-style-type: none"> General public Mass media / extension workers Government regulators / administrators 	
<ul style="list-style-type: none"> 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"> Partially addressed 	<ul style="list-style-type: none"> Education and training 	<ul style="list-style-type: none"> Government regulators / administrators 	

• Training in legal, social and economic fields relevant to biosafety		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Education and training	• Government regulators / administrators
• Training in risk management		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Education and training	• Government regulators / administrators
• Training in biosafety regulatory issues		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Guidance / training materials	• Government regulators / administrators
• Training in biosafety communication		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Education and training	• General public • Government regulators / administrators
• Training in post-release monitoring of LMOs		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• 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>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• 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>
• Minimally addressed	• Guidance / training materials	• Government regulators / administrators
• Training in documentation and identification requirements for LMO shipments		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Training in compliance requirements under the Protocol		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Training in liability and redress issues under the Protocol		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Guidance / training materials	• Government regulators / administrators
• Guidance on other international agreements relevant to biosafety		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Education and training	• Government regulators / administrators
• Access to basic ecological data to support risk assessments		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Education and training	• Government regulators / administrators
• National risk management system/strategy		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Guidance / training materials	• Government regulators / administrators
• System to detect and appropriately respond to unintentional LMO releases		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Guidance on different risk management measures		

<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Minimally addressed	• Education and training	• Government regulators / administrators
• Mechanisms for cooperation in risk management		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Education and training	• Government regulators / administrators
• National framework/system for post-release monitoring of LMOs		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Education and training	• Government regulators / administrators
• Biosafety awareness materials		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Education and training	• General public
	• Technical assistance and advice	• Mass media / extension workers
	• Funding support	• Government regulators / administrators
• Biosafety awareness and education programmes		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Adequately addressed	• Guidance / training materials	• Government regulators / administrators
• Biosafety documentation units or reference libraries		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Fully addressed	• Guidance / training materials	• Government regulators / administrators
• 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>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• National biosafety website		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Biosafety outreach strategy/ communication plan		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Training in risk-communication		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Systems for public participation in biosafety		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• National system (policy, procedures and mechanisms) for biosafety information management		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Guidance / training materials	• Government regulators / administrators
• Equipment (hardware and software) to facilitate national participation in the BCH		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Guidance / training materials	• Government regulators / administrators
• Establishment of national biosafety databases		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Interoperability with the BCH central portal		

Extent of implementation

- Not addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

- **Non-Internet access to the BCH**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training

Major target groups

- Government regulators / administrators

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training

Major target groups

- General public

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

Extent of implementation

- Minimally addressed

Preferred means

- Funding support

Major target groups

- General public
- Government regulators / administrators

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

Extent of implementation

- Not addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

- **Training in collaboration techniques and approaches**

Extent of implementation

- Minimally addressed

Preferred means

- Education and training

Major target groups

- Government regulators / administrators

- **Training in negotiation skills**

Extent of implementation

- Not addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training

Major target groups

- Mass media / extension workers

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

Extent of implementation

- Not addressed

Preferred means

- [Not specified]

Major target groups

- [Not specified]

- **Establishment of technology information platforms**

Extent of implementation

- Partially addressed

Preferred means

- Guidance / training materials

Major target groups

- General public
- Government regulators / administrators

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training

Major target groups

- Government regulators / administrators

- **Public-private partnerships for technology development**

Extent of implementation

- Minimally addressed

Preferred means

- Guidance / training materials

Major target groups

- Government regulators / administrators

- **Laboratory for LMO detection and analysis**

*Extent of implementation**Preferred means**Major target groups*

• Not addressed	◦ [Not specified]	◦ [Not specified]
• National system for taking into account socio-economic considerations in decision-making regarding LMOs		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Mechanisms for cooperation on research on socio-economic impacts of LMOs		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Establishment of identity preservation systems		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• National system for inspection and verification of documentation accompanying LMO shipments		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• National system for managing and protecting confidential information		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]
• Training in biosafety record keeping and information security		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Partially addressed	• Education and training • Guidance / training materials	• General public • Government regulators / administrators
• Regulatory framework for addressing human health impacts of LMOs		
<i>Extent of implementation</i>	<i>Preferred means</i>	<i>Major target groups</i>
• Not addressed	◦ [Not specified]	◦ [Not specified]

Additional Information

Any other relevant information

Date: 2011-11-25