




## Capacity Building Needs and Priorities

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### General Information

#### Country

- Saint Lucia

#### Contact person

##### Ms. Anita Victorine James

Biosafety Coordinator

Biodiversity Unit



Ministry of Agriculture, Lands, Fisheries and Forestry (MALFF)

4th Floor, Sir Stanislas James Building

The Waterfront

Castries, Nil

Saint Lucia, Nil

##### Mr. Hubert Emmanuel

Permanent Secretary

Ministry of agriculture, Lands, Fisheries and Forestry

Government (MALFF)

5th Floor, Sir Stanislas James Building



The Waterfront

Castries

Saint Lucia

Phone: 758-468-4103

Fax: 758-4536314

Email: [ps@slumaffe.org](mailto:ps@slumaffe.org)

Url: [Ministry of Agriculture, Lands, Fisheries and Forestry](http://Ministry of Agriculture, Lands, Fisheries and Forestry)

#### Organization

##### Ministry of Agriculture, Lands, Fisheries and Forestry (MALFF)

5th Floor Sir Stanislas James Building

The Waterfront



Castries, NIL

Saint Lucia, NIL

Phone: 758-468-4103

Fax: 758-4536314

Email: [ps.agriculture@govt.lc](mailto:ps.agriculture@govt.lc)

### 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
- 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
- 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*

- Not addressed

##### *Preferred means*

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

##### *Major target groups*

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

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

##### *Extent of implementation*

- Not addressed

##### *Preferred means*

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

##### *Major target groups*

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

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

##### *Extent of implementation*

- Not addressed

##### *Preferred means*

- Education and training
- Funding support
- Scholarships / fellowships

##### *Major target groups*

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

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

##### *Extent of implementation*

- Not addressed

##### *Preferred means*

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

##### *Major target groups*

- Government regulators / administrators

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

##### *Extent of implementation*

- Not addressed

##### *Preferred means*

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

##### *Major target groups*

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

#### • Mechanism for inspections and enforcement of biosafety laws

##### *Extent of implementation*

- Not addressed

##### *Preferred means*

- Funding support
- Guidance / training materials
- Exchange programmes, internships, study tours, etc.

##### *Major target groups*

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

#### • Access to information on staff exchange/on-the-job-training opportunities

*Extent of implementation*

- Minimally addressed

*Preferred means*

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

*Major target groups*

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

- **Training in scientific and technical fields relevant to biosafety**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Education and training
- Funding support
- Scholarships / fellowships

*Major target groups*

- Technical personnel / Scientists
- Technicians (e.g. in the laboratories)
- Mass media / extension workers

- **Training in legal, social and economic fields relevant to biosafety**

*Extent of implementation*

- Not addressed

*Preferred means*

- Exchange programmes, internships, study tours, etc.
- Membership with professional bodies / networks
- Funding support

*Major target groups*

- Other professionals (e.g. lawyers, economists, etc.)
- Mass media / extension workers
- Graduate and undergraduate students

- **Training in risk assessment**

*Extent of implementation*

- Minimally addressed

*Preferred means*

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

*Major target groups*

- [Not specified]

- **Training in risk management**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Exchange programmes, internships, study tours, etc.
- Funding support
- Conferences and other fora

*Major target groups*

- Technical personnel / Scientists
- Technicians (e.g. in the laboratories)
- Interest groups (consumer groups, farmers, NGOs, etc.)

- **Training in LMO sampling and detection**

*Extent of implementation*

- Minimally addressed

*Preferred means*

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

*Major target groups*

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

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

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

- Government regulators / administrators
- Customs officials

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

*Extent of implementation*

- Not addressed

*Preferred means*

- Funding support
- Education and training
- Scholarships / fellowships

*Major target groups*

- Other professionals (e.g. lawyers, economists, etc.)
- Graduate and undergraduate students
- Interest groups (consumer groups, farmers, NGOs, etc.)

- **Training in documentation and identification requirements for LMO shipments**

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

• **Training in compliance requirements under the Protocol**

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

• **Guidance documents on specific aspects of risk assessment**

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

- Technical personnel / Scientists
- Other professionals (e.g. lawyers, economists, etc.)
- Technicians (e.g. in the laboratories)

• **National risk management system/strategy**

*Extent of implementation*

- Minimally addressed

*Preferred means*

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

*Major target groups*

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

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

*Extent of implementation*

- Minimally addressed

*Preferred means*

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

*Major target groups*

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

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

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

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

*Extent of implementation*

- Not addressed

*Preferred means*

- Funding support
- Guidance / training materials
- Exchange programmes, internships, study tours, etc.

*Major target groups*

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

• **Laboratory for LMO detection and analysis**

*Extent of implementation*

- Minimally addressed

*Preferred means*

- Funding support
- Technical assistance and advice
- Conferences and other fora

*Major target groups*

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

• **Guidance on unique identification systems**

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

• **Simple/quick LMO test kits**

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

administrators

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

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

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

*Extent of implementation*

- Not addressed

*Preferred means*

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

*Major target groups*

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

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

*Extent of implementation*

- Minimally addressed

*Preferred means*

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

*Major target groups*

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