




Capacity Building Needs and Priorities

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Url: [Iran biosafety clearing house](http://iran.biosafetyclearinghouse.org)

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
- Handling of confidential information
- Measures to address unintentional and/or illegal transboundary movements of LMOs
- Scientific biosafety research relating to LMOs
- Taking into account risks to human health

Needs and priorities

Specific needs and priorities

• Development of a national biosafety policy

Extent of implementation

- Partially addressed

Preferred means

- Conferences and other fora

Major target groups

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

• Guidance on mainstreaming of biosafety into other sectors

Extent of implementation

- Partially addressed

Preferred means

- Education and training
- Conferences and other fora

Major target groups

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

• Development of a national liability and redress regime

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

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

• Support for implementation of the national biosafety framework

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists

• Tools for enforcement of 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

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

• Biosafety research facilities (e.g. greenhouses)

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

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

• Office facilities, equipment and supplies for biosafety work

Extent of implementation

- Partially addressed

Preferred means

- Funding support

Major target groups

- Technical personnel / Scientists

• Mechanism for inspections and enforcement of biosafety laws

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

• Access to biosafety training materials

Extent of implementation

- Partially addressed

Preferred means

- Funding support
- Guidance / training materials
- Scholarships / fellowships

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Funding support
- Scholarships / fellowships

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists

- **Training in risk assessment**

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Funding support
- Scholarships / fellowships

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists

- **Training in risk management**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

- **Training in biosafety communication**

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

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

- **Training in LMO sampling and detection**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

- **Biosafety research**

Extent of implementation

- Not addressed

Preferred means

- Membership with professional bodies / networks
- Funding support
- Scholarships / fellowships

Major target groups

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

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

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

- Government regulators / administrators
- Technical personnel / Scientists

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Technical personnel / Scientists

- **Training in liability and redress issues under the Protocol**

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Membership with professional bodies / networks
- Conferences and other fora

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Technical personnel / Scientists
- Other professionals (e.g. lawyers, economists, etc.)

- **Guidance on how to perform risk assessment**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Technicians (e.g. in the laboratories)
- 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
- Technical assistance and advice

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

- **Biosafety awareness and education programmes**

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Funding support
- Scholarships / fellowships

Major target groups

- Technical personnel / Scientists
- Interest groups (consumer groups, farmers, NGOs, etc.)
- General public

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

Extent of implementation

- Partially addressed

Preferred means

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

Major target groups

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

- **Training in risk-communication**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Technical personnel / Scientists
- Interest groups (consumer groups, farmers, NGOs, etc.)
- Mass media / extension workers

- **Systems for public participation in biosafety**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Mass media / extension workers
- General public

- **Establishment of national biosafety databases**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- IT, BCH and data / information managers
- Technical personnel / Scientists
- Interest groups (consumer groups, farmers, NGOs, etc.)

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

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

- **Mechanisms for regional cooperation**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Decision / policy-makers (e.g. Ministers)
- Technical personnel / Scientists
- Other professionals (e.g. lawyers, economists, etc.)

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

- **Laboratory for LMO detection and analysis**

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

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

- **Guidance on unique identification systems**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

- **Simple/quick LMO test kits**

Extent of implementation

- Not addressed

Preferred means

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

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Membership with professional bodies / networks
- Conferences and other fora

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

- Education and training
- Funding support

Major target groups

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

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

Extent of implementation

- Minimally addressed

Preferred means

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

Major target groups

- Government regulators / administrators

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

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

<div><div>• Partially addressed</div></div>	<div><div>• Education and training</div><div>• Guidance / training materials</div></div>	<div><div>• Government regulators / administrators</div><div>• Technical personnel / Scientists</div></div>
<div><div>• Guidance on assessment risks of LMOs to human health</div><div><div>Extent of implementation</div><div>• Partially addressed</div></div></div>	<div><div>Preferred means</div><div>• Education and training</div><div>• Funding support</div><div>• Guidance / training materials</div></div>	<div><div>Major target groups</div><div>• Technicians (e.g. in the laboratories)</div><div>• Technical personnel / Scientists</div></div>