

Capacity Building Needs and Priorities

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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
- $\bullet \quad \text{Scientific, technical and institutional collaboration at subregional, regional and international levels}$
- 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
- · Liability and redress

Needs and priorities

| Development of a national biosafet | y policy | |
|---|---|---|
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | • Funding support | Decision / policy-makers (e.g. |
| Tartiany addressed | Conferences and other fora | Ministers) |
| | Technical assistance and advice | Government regulators / |
| | Toolinion abbiounds and adviso | administrators |
| | | General public |
| | | P |
| Development of national biosafety | | |
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Education and training | Decision / policy-makers (e.g. |
| | Funding support | Ministers) |
| | Technical assistance and advice | Government regulators / |
| | | administratorsGeneral public |
| | | • General public |
| uidance on mainstreaming of bio | safety into other sectors | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | • Decision / policy-makers (e.g. |
| | Funding support | Ministers) |
| | Technical assistance and advice | Government regulators / |
| | | administrators |
| | | Interest groups (consumer groups, farmers, NCOs, etc.) |
| | | farmers, NGOs, etc.) |
| evelopment of a national liability | and redress regime | |
| Extent of implementation | Preferred means | Major target groups |
| Not addressed | Education and training | Decision / policy-makers (e.g. |
| | Funding support | Ministers) |
| | Technical assistance and advice | Government regulators / |
| | | administrators |
| | | Interest groups (consumer groups, formers, NCOs, etc.) |
| | | farmers, NGOs, etc.) |
| upport for implementation of the | national biosafety framework | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Decision / policy-makers (e.g. |
| | Exchange programmes, internships, | Ministers) |
| | study tours, etc. | Government regulators / |
| | Technical assistance and advice | administrators |
| | | Interest groups (consumer groups, formers, NCOs, etc.) |
| | | farmers, NGOs, etc.) |
| treamlining of regulatory systems | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Decision / policy-makers (e.g. |
| | Funding support | Ministers) |
| | Conferences and other fora | Government regulators / |
| | | administrators |
| | | Interest groups (consumer groups, formers, NCOs, etc.) |
| | | farmers, NGOs, etc.) |
| ools for enforcement of biosafety | laws and regulations | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Technical assistance and advice | • Enforcement officials (e.g. field |
| | | inspectors) |
| | | Mass media / extension workers |
| Development of administrative sys | tems for handling applications for import and/or | release of LMOs |
| | | |
| Extent of implementation | Preferred means | Major target groups |

| | | Exchange programmes, internships, study tours, etc.Technical assistance and advice | administrators Technical personnel / Scientists Enforcement officials (e.g. field |
|---|--|---|--|
| _ | Markaniana famintan inskitutianal annua | | inspectors) |
| • | Mechanisms for inter-institutional com | | 16. |
| | Extent of implementation | Preferred means | Major target groups |
| | Partially addressed | Education and trainingConferences and other fora | Government regulators / administrators |
| | | Technical assistance and advice | Enforcement officials (e.g. field |
| | | 10011110011 0001000111100 01110 00011100 | inspectors) |
| | | | Interest groups (consumer groups, |
| | | | farmers, NGOs, etc.) |
| • | Mechanism for coordination among nati | ional regulatory authorities and processes | |
| | Extent of implementation | Preferred means | Major target groups |
| | Partially addressed | Education and training | Government regulators / |
| | | Funding support | administrators |
| | | Technical assistance and advice | Enforcement officials (e.g. field |
| | | | inspectors) |
| | | | Customs officials |
| • | System for magement of records related | to LMO import applications and decisions | |
| | Extent of implementation | Preferred means | Major target groups |
| | Partially addressed | Education and training | IT, BCH and data / information |
| | | Technical assistance and advice | managers |
| | | Infrastructure support | • Enforcement officials (e.g. field |
| | | | inspectors) |
| • | System for decision-making on LMOs (p | rocedures and guidelines) | |
| | Extent of implementation | Preferred means | Major target groups |
| | Adequately addressed | Education and training | IT, BCH and data / information |
| | | Exchange programmes, internships, | managers |
| | | study tours, etc. Technical assistance and advice | Technical personnel / ScientistsEnforcement officials (e.g. field |
| | | • rechnical assistance and advice | inspectors) |
| | | 1 1 (707) | mspootors) |
| • | Access to information communication to | _ | 16. |
| | Extent of implementation | Preferred means | Major target groups |
| | Partially addressed | Education and trainingTechnical assistance and advice | IT, BCH and data / information managers |
| | | Infrastructure support | Technical personnel / Scientists |
| | | | Enforcement officials (e.g. field |
| | | | inspectors) |
| | Biosafety research facilities (e.g. green) | nouses) | |
| | Extent of implementation | Preferred means | Major target groups |
| | Minimally addressed | Education and training | Technicians (e.g. in the laboratories) |
| | | Funding support | Technical personnel / Scientists |
| | | Technical assistance and advice | Enforcement officials (e.g. field |
| | | | inspectors) |
| • | Internet connectivity | | |
| | Extent of implementation | Preferred means | Major target groups |
| | Partially addressed | Funding support | IT, BCH and data / information |
| | | Infrastructure support | managers |
| • | Office facilities, equipment and supplies | s for biosafety work | |
| | Extent of implementation | Preferred means | Major target groups |
| | Partially addressed | Education and training | IT, BCH and data / information |
| | | Funding support | managers |
| | | Technical assistance and advice | Technical personnel / Scientists |
| | | | Enforcement officials (e.g. field |
| | | | inspectors) |
| | | | |

| Telecommunication facilities (e.g. | telephone fay e-mail) | |
|--|---|---|
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Funding support | IT, BCH and data / information |
| 1 3 | Technical assistance and advice | managers |
| Access to information on available | e funding sources | |
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Funding support | Technicians (e.g. in the laboratories) |
| | Guidance / training materials | Technical personnel / Scientists |
| | Technical assistance and advice | • Enforcement officials (e.g. field |
| | | inspectors) |
| Budgeting and financial managen | nent skills | |
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Education and training | IT, BCH and data / information |
| | Exchange programmes, internships, | managers |
| | study tours, etc. | Technical personnel / Scientists |
| | Technical assistance and advice | |
| Resource mobilisation skills (incl | uding project proposal writing) | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Technical personnel / Scientists |
| | Funding support Technical assistance and advice | Enforcement officials (e.g. field increators) |
| | Technical assistance and advice | inspectors) |
| | s. system for collecting fees on applications) | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | Technical assistance and advice | administrators |
| | Infrastructure support | Enforcement officials (e.g. field inspectors) |
| | | Customs officials |
| | | |
| - | vith unintentional or illegal transboundary moveme Preferred means | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Covernment regulators / |
| Partially addressed | Education and training Funding support. | Government regulators / administrators |
| Partially addressed | Education and trainingFunding supportTechnical assistance and advice | administrators |
| Partially addressed | Funding support | 5 |
| Partially addressed | Funding support | administrators • Enforcement officials (e.g. field |
| u de la companya de l | Funding supportTechnical assistance and advice | administrators • Enforcement officials (e.g. field inspectors) |
| Partially addressed Mechanism for inspections and en Extent of implementation | Funding supportTechnical assistance and advice | administrators • Enforcement officials (e.g. field inspectors) |
| Mechanism for inspections and en | Funding support Technical assistance and advice Inforcement of biosafety laws | administrators • Enforcement officials (e.g. field inspectors) • Customs officials |
| Mechanism for inspections and en | Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training Funding support | administrators • Enforcement officials (e.g. field inspectors) • Customs officials Major target groups |
| Mechanism for inspections and en | Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training | administrators • Enforcement officials (e.g. field inspectors) • Customs officials Major target groups • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) |
| Mechanism for inspections and en | Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training Funding support | administrators • Enforcement officials (e.g. field inspectors) • Customs officials Major target groups • Technical personnel / Scientists • Enforcement officials (e.g. field |
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| Mechanism for inspections and en Extent of implementation • Adequately addressed | Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training Funding support Technical assistance and advice | administrators • Enforcement officials (e.g. field inspectors) • Customs officials Major target groups • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) |
| Mechanism for inspections and en Extent of implementation • Adequately addressed System for post-release monitoring | Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Preferred means Education and training | administrators • Enforcement officials (e.g. field inspectors) • Customs officials Major target groups • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) • Mass media / extension workers Major target groups • Technical personnel / Scientists |
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| Mechanism for inspections and en Extent of implementation • Adequately addressed System for post-release monitoring Extent of implementation • Not addressed Access to information on existing Extent of implementation | Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training Funding support Technical assistance and advice Inforcement of biosafety laws Preferred means Education and training Funding support Technical assistance and advice Inforcement of biosafety Inforcement of biosafety assistance and advice Inforcement of biosafety assistance and advice Inforcement of biosafety assistance and advice Inforcement of biosafety laws Inforce | administrators • Enforcement officials (e.g. field inspectors) • Customs officials • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) • Mass media / extension workers Major target groups • Technical personnel / Scientists • Enforcement officials (e.g. field inspectors) • Mass media / extension workers Major target groups • Mass media / extension workers Major target groups • Government regulators / administrators • Technical personnel / Scientists • Enforcement officials (e.g. field |

| Partially addressed | | |
|--|--|---|
| | Education and training | Government regulators / |
| | Funding supportGuidance / training materials | administrators • Enforcement officials (e.g. field |
| | | inspectors) • Mass media / extension workers |
| Access to information on staff exch | ange/on-the-job-training opportunities | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Conferences and other fora | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| Training in biosafety legislation and | d policy development and practice | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Decision / policy-makers (e.g. |
| | Funding support | Ministers) |
| | Technical assistance and advice | Government regulators / |
| | | administrators |
| | | Technical personnel / Scientists |
| Training in scientific and technical | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Technical personnel / Scientists |
| | Scholarships / fellowships | Graduate and undergraduate students F. Graduate stud |
| | Technical assistance and advice | Enforcement officials (e.g. field inspectors) |
| Training in legal, social and econor | nic fields relevant to biosafety | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Education and training | Government regulators / |
| | . E. alim a communit | administrators |
| | Funding support | |
| | Funding supportScholarships / fellowships | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) |
| Training in basics of biosafety and | Scholarships / fellowships | Technical personnel / ScientistsOther professionals (e.g. lawyers, |
| Training in basics of biosafety and security and security security in the security s | Scholarships / fellowships | Technical personnel / ScientistsOther professionals (e.g. lawyers, |
| · · · · · · · · · · · · · · · · · · · | Scholarships / fellowships modern biotechnology | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) |
| Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups |
| Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field |
| Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) |
| Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field |
| Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, |
| Extent of implementation • Partially addressed | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, |
| Extent of implementation • Partially addressed Training in risk assessment | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) |
| Extent of implementation Partially addressed Training in risk assessment Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Funding support | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Technical personnel / Scientists Graduate and undergraduate students |
| Extent of implementation Partially addressed Training in risk assessment Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Funding support Exchange programmes, internships, | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Technical personnel / Scientists Graduate and undergraduate students Enforcement officials (e.g. field |
| • Partially addressed Training in risk assessment Extent of implementation • Partially addressed | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Funding support | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Technical personnel / Scientists Graduate and undergraduate students |
| Partially addressed Training in risk assessment Extent of implementation Partially addressed Training in risk management | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Technical personnel / Scientists Graduate and undergraduate students Enforcement officials (e.g. field inspectors) |
| • Partially addressed Training in risk assessment Extent of implementation • Partially addressed Training in risk management Extent of implementation | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Technical personnel / Scientists Graduate and undergraduate students Enforcement officials (e.g. field inspectors) Major target groups |
| • Partially addressed Training in risk assessment Extent of implementation • Partially addressed Training in risk management | Scholarships / fellowships modern biotechnology Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Funding support Exchange programmes, internships, study tours, etc. Preferred means Education and training Education and training | Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Technical personnel / Scientists Graduate and undergraduate students Enforcement officials (e.g. field inspectors) Major target groups Government regulators / |
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| | Funding support Exchange programmes, internships, study tours, etc. | Enforcement officials (e.g. field inspectors) Clearing agents, importers, exporter and local producers |
|---|--|--|
| Training in biosafety communication | on | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Education and trainingFunding support | Government regulators / administrators |
| | Technical assistance and advice | Technical personnel / Scientists Mass media / extension workers |
| Training in LMO sampling and dete | ection | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Technicians (e.g. in the laboratories) |
| | Funding supportTechnical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| Training in post-release monitoring | g of LMOs | |
| Extent of implementation | Preferred means | Major target groups |
| Not addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| Biosafety research | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Scholarships / fellowships | Technical personnel / Scientists |
| | | Graduate and undergraduate studen |
| Training in administrative practice | s for handling LMO import and release applicati | |
| | s for handling LMO import and release application | ons |
| Extent of implementation | Preferred means | ons Major target groups |
| | | ons |
| Extent of implementation | Preferred means • Education and training | ons Major target groups Government regulators / |
| Extent of implementation | Preferred means Education and training Funding support | Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) |
| Extent of implementation • Adequately addressed | Preferred means Education and training Funding support Technical assistance and advice | Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials |
| Extent of implementation • Adequately addressed | Preferred means Education and training Funding support | Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials |
| Extent of implementation • Adequately addressed Training in preparation and present Extent of implementation | Preferred means Education and training Funding support Technical assistance and advice tation of LMO export or release applications/dos | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials ssiers Major target groups |
| Extent of implementation • Adequately addressed Training in preparation and presen | Preferred means Education and training Funding support Technical assistance and advice Atation of LMO export or release applications/dos Preferred means Education and training | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials Ssiers Major target groups • Technical personnel / Scientists |
| Extent of implementation • Adequately addressed Training in preparation and present Extent of implementation | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials Ssiers Major target groups • Technical personnel / Scientists • Interest groups (consumer groups, |
| Extent of implementation • Adequately addressed Training in preparation and present Extent of implementation • Partially addressed | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials Ssiers Major target groups • Technical personnel / Scientists |
| Extent of implementation • Adequately addressed Training in preparation and presentation Extent of implementation • Partially addressed Training in socio-economic consideration | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice Prations relating to LMOs | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials Ssiers Major target groups • Technical personnel / Scientists • Interest groups (consumer groups, farmers, NGOs, etc.) |
| Extent of implementation • Adequately addressed Training in preparation and present Extent of implementation • Partially addressed Training in socio-economic consideration Extent of implementation | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials ssiers Major target groups • Technical personnel / Scientists • Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups |
| Extent of implementation • Adequately addressed Training in preparation and presentation Extent of implementation • Partially addressed Training in socio-economic consideration | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means • Education and training | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials ssiers Major target groups • Technical personnel / Scientists • Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups • Government regulators / |
| Extent of implementation • Adequately addressed Training in preparation and present Extent of implementation • Partially addressed Training in socio-economic consideration Extent of implementation | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means • Education and training • Funding support | Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Customs officials ssiers Major target groups • Technical personnel / Scientists • Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups • Government regulators / administrators |
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| Extent of implementation • Adequately addressed Training in preparation and present Extent of implementation • Partially addressed Training in socio-economic consideration Extent of implementation | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means • Education and training • Funding support | Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Customs officials Technical personnel / Scientists Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Government regulators / administrators |
| Extent of implementation Adequately addressed Iraining in preparation and present Extent of implementation Partially addressed Iraining in socio-economic consider Extent of implementation Minimally addressed | Preferred means • Education and training • Funding support • Technical assistance and advice Atation of LMO export or release applications/dos Preferred means • Education and training • Funding support • Technical assistance and advice Preferred means • Education and training • Funding to LMOs Preferred means • Education and training • Funding support • Technical assistance and advice | Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Technical personnel / Scientists Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Government regulators / administrators Technical personnel / Scientists Interest groups (consumer groups, consumer groups, consumer groups, consumer groups, consumer groups, consumer groups, consumer groups, |
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| Extent of implementation • Partially addressed | Preferred means • Education and training | Major target groupsGovernment regulators / |
| • Fartially addressed | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / Scientists |
| | roomiour assistance and advice | Interest groups (consumer groups, |
| | | farmers, NGOs, etc.) |
| Training in compliance requirement | es under the Protocol | |
| Training in compliance requirement | Preferred means | Mindon |
| Extent of implementation | | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Conferences and other fora | Technical personnel / Scientists |
| | | Enforcement officials (e.g. field inspectors) |
| | | mspectors) |
| Training in liability and redress issu | es under the Protocol | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / Scientists |
| | | Interest groups (consumer groups, |
| | | farmers, NGOs, etc.) |
| Guidance on other international agr | reements relevant to biosafety | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | | administrators |
| | Funding support | ddiiiiiidiidiidi |
| | Funding supportTechnical assistance and advice | Technical personnel / Scientists |
| | 5 11 | |
| | 5 11 | Technical personnel / Scientists |
| Access to basic ecological data to su | Technical assistance and advice | Technical personnel / ScientistsEnforcement officials (e.g. field |
| Access to basic ecological data to su Extent of implementation | Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| Extent of implementation | Technical assistance and advice apport risk assessments | Technical personnel / ScientistsEnforcement officials (e.g. field |
| _ | Technical assistance and advice apport risk assessments Preferred means | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups |
| Extent of implementation | Technical assistance and advice apport risk assessments Preferred means Education and training | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups Government regulators / |
| Extent of implementation | Technical assistance and advice apport risk assessments Preferred means Education and training Funding support | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups Government regulators / administrators |
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| Partially addressed | Education and training Funding support | Government regulators / administrators |
| | Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| Guidance on different risk manage | ment measures | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| Mechanisms for cooperation in risl | k management | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Funding support | Government regulators / |
| | Guidance / training materials | administrators |
| | Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| National framework/system for pos | t-release monitoring of LMOs | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Guidance / training materials | Government regulators / |
| | Technical assistance and advice | administrators |
| | | Technical personnel / Scientists The first of the f |
| | | Enforcement officials (e.g. field inspectors) |
| Tools and methodologies for enviro | nmental monitoring of LMOs | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Exchange programmes, internships, | Government regulators / |
| | study tours, etc. • Guidance / training materials | administratorsTechnicians (e.g. in the laboratories) |
| | Technical assistance and advice | • Enforcement officials (e.g. field |
| | | inspectors) |
| Biosafety awareness materials | | inspectors) |
| Biosafety awareness materials Extent of implementation | Preferred means | inspectors) Major target groups |
| | Preferred means • Education and training | • |
| Extent of implementation | Education and trainingGuidance / training materials | Major target groups |
| Extent of implementation | Education and training | Major target groups • Decision / policy-makers (e.g. |
| Extent of implementation | Education and trainingGuidance / training materials | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers |
| Extent of implementation | Education and trainingGuidance / training materials | Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information |
| Extent of implementation • Partially addressed | Education and training Guidance / training materials Conferences and other fora | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, |
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| Extent of implementation • Partially addressed | Education and training Guidance / training materials Conferences and other fora programmes | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, |
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| Extent of implementation • Partially addressed Biosafety awareness and education Extent of implementation | Education and training Guidance / training materials Conferences and other fora Programmes Preferred means Funding support Exchange programmes, internships, | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) |
| Extent of implementation • Partially addressed Biosafety awareness and education Extent of implementation | Education and training Guidance / training materials Conferences and other fora programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / |
| Partially addressed Biosafety awareness and education Extent of implementation Minimally addressed | Education and training Guidance / training materials Conferences and other fora programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators |
| Extent of implementation Partially addressed Biosafety awareness and education Extent of implementation Minimally addressed Biosafety documentation units or r Extent of implementation | Education and training Guidance / training materials Conferences and other fora Programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice eference libraries Preferred means | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators |
| Extent of implementation Partially addressed Biosafety awareness and education Extent of implementation Minimally addressed Biosafety documentation units or respectively. | Education and training Guidance / training materials Conferences and other fora programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice eference libraries Preferred means Funding support | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators General public Major target groups IT, BCH and data / information |
| Extent of implementation Partially addressed Biosafety awareness and education Extent of implementation Minimally addressed Biosafety documentation units or r Extent of implementation | Education and training Guidance / training materials Conferences and other fora Programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice eference libraries Preferred means Funding support Guidance / training materials | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators General public Major target groups IT, BCH and data / information managers |
| Extent of implementation Partially addressed Biosafety awareness and education Extent of implementation Minimally addressed Biosafety documentation units or r Extent of implementation | Education and training Guidance / training materials Conferences and other fora programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice eference libraries Preferred means Funding support | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators General public Major target groups IT, BCH and data / information |
| Partially addressed Biosafety awareness and education Extent of implementation Minimally addressed Biosafety documentation units or r Extent of implementation Partially addressed | Education and training Guidance / training materials Conferences and other fora Programmes Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice eference libraries Preferred means Funding support Guidance / training materials | Major target groups Decision / policy-makers (e.g. Ministers) IT, BCH and data / information managers Interest groups (consumer groups, farmers, NGOs, etc.) Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators General public Major target groups IT, BCH and data / information managers Technical personnel / Scientists Academia |

| Minimally addressed | Education and training | Government regulators / |
|--|---|--|
| | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / ScientistsGeneral public |
| National biosafety website | | |
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Technical assistance and advice | IT, BCH and data / information |
| | | managers |
| | | Government regulators / |
| | | administratorsTechnical personnel / Scientists |
| T | | reclinical personner/ scientists |
| Biosafety outreach strategy/ comm | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training Technical assistance and advice | Decision / policy-makers (e.g. Ministers) |
| | • reclinical assistance and advice | IT, BCH and data / information |
| | | managers |
| | | Mass media / extension workers |
| Training in risk-communication | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | Government regulators / |
| | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / Scientists |
| | | Mass media / extension workers |
| Systems for public participation in | | |
| Extent of implementation | Preferred means | Major target groups |
| | P. J P | Government regulators / |
| Minimally addressed | Education and training | |
| Minimally addressed | Funding support | administrators |
| Minimally addressed | 5 | administrators • Mass media / extension workers |
| · | Funding supportTechnical assistance and advice | administrators Mass media / extension workers General public |
| National system (policy, procedure | Funding support Technical assistance and advice s and mechanisms) for biosafety information man | administrators • Mass media / extension workers • General public |
| National system (policy, procedure Extent of implementation | Funding support Technical assistance and advice s and mechanisms) for biosafety information management Preferred means | administrators Mass media / extension workers General public nagement Major target groups |
| National system (policy, procedure | Funding support Technical assistance and advice s and mechanisms) for biosafety information management Preferred means Education and training | administrators Mass media / extension workers General public magement Major target groups Decision / policy-makers (e.g. |
| National system (policy, procedure Extent of implementation | Funding support Technical assistance and advice s and mechanisms) for biosafety information management Preferred means | administrators • Mass media / extension workers • General public nagement Major target groups |
| National system (policy, procedure Extent of implementation | Funding support Technical assistance and advice s and mechanisms) for biosafety information man Preferred means Education and training Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) |
| National system (policy, procedure Extent of implementation | Funding support Technical assistance and advice s and mechanisms) for biosafety information man Preferred means Education and training Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information |
| National system (policy, procedure Extent of implementation | Funding support Technical assistance and advice s and mechanisms) for biosafety information man Preferred means Education and training Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software) | Punding support Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice b) to facilitate national participation in the BCH | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software Extent of implementation | Punding support Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice to facilitate national participation in the BCH Preferred means | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software) | Punding support Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice to facilitate national participation in the BCH Preferred means Funding support Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software Extent of implementation | Preferred means Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software Extent of implementation | Punding support Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice to facilitate national participation in the BCH Preferred means Funding support Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation | Punding support Technical assistance and advice and mechanisms) for biosafety information management Preferred means Education and training Funding support Technical assistance and advice Technical assistance and advice Technical assistance and advice Technical assistance and advice Funding support Exchange programmes, internships, study tours, etc. | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation | Punding support Technical assistance and advice and mechanisms) for biosafety information management Preferred means Education and training Funding support Technical assistance and advice Technical assistance and advice Technical assistance and advice Technical assistance and advice Funding support Exchange programmes, internships, study tours, etc. | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software Extent of implementation • Partially addressed | Punding support Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software Extent of implementation • Partially addressed | Punding support Technical assistance and advice and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / |
| National system (policy, procedure Extent of implementation • Partially addressed Equipment (hardware and software Extent of implementation • Partially addressed Establishment of national biosafety | Prechnical assistance and advice and mechanisms) for biosafety information many Preferred means Education and training Funding support Technical assistance and advice by to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation Partially addressed Establishment of national biosafety Extent of implementation | Punding support Technical assistance and advice s and mechanisms) for biosafety information man Preferred means Education and training Funding support Technical assistance and advice b) to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice y databases Preferred means | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation Partially addressed Establishment of national biosafety Extent of implementation | Punding support Technical assistance and advice s and mechanisms) for biosafety information many Preferred means Education and training Funding support Technical assistance and advice b) to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice y databases Preferred means Education and training | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation Partially addressed Establishment of national biosafety Extent of implementation | Preferred means Technical assistance and advice s and mechanisms) for biosafety information many Preferred means Education and training Funding support Technical assistance and advice b) to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice y databases Preferred means Education and training Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation Partially addressed Establishment of national biosafety Extent of implementation | Preferred means Technical assistance and advice s and mechanisms) for biosafety information many Preferred means Education and training Funding support Technical assistance and advice b) to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice y databases Preferred means Education and training Funding support | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation Partially addressed Establishment of national biosafety Extent of implementation | Punding support Technical assistance and advice and mechanisms) for biosafety information many Preferred means Education and training Funding support Technical assistance and advice by to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice y databases Preferred means Education and training Funding support Technical assistance and advice | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • IT, BCH and data / information managers • Government regulators / administrators |
| National system (policy, procedure Extent of implementation Partially addressed Equipment (hardware and software Extent of implementation Partially addressed Establishment of national biosafety Extent of implementation Partially addressed | Punding support Technical assistance and advice and mechanisms) for biosafety information many Preferred means Education and training Funding support Technical assistance and advice by to facilitate national participation in the BCH Preferred means Funding support Exchange programmes, internships, study tours, etc. Technical assistance and advice y databases Preferred means Education and training Funding support Technical assistance and advice | administrators • Mass media / extension workers • General public nagement Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • Decision / policy-makers (e.g. Ministers) • IT, BCH and data / information managers • Government regulators / administrators Major target groups • IT, BCH and data / information managers • Government regulators / administrators |

| | | managers |
|---|---|---|
| | | Government regulators / |
| | | administrators |
| | | • Technical personnel / Scientists |
| Non-Internet access to the BCH | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | IT, BCH and data / information |
| | Funding support | managers |
| | Technical assistance and advice | Government regulators / |
| | | administrators |
| | | Technical personnel / Scientists |
| Systems for data and information se | ecurity and back-up | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Education and training | IT, BCH and data / information |
| | Funding support | managers |
| | Exchange programmes, internships, | Government regulators / description to the second secon |
| | study tours, etc. | administratorsEnforcement officials (e.g. field |
| | | inspectors) |
| Systems for data v-1: 1-1: 1 | litry control | |
| Systems for data validation and qua Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Major target groupsIT, BCH and data / information |
| randany addressed | Guidance / training materials | managers |
| | Technical assistance and advice | Government regulators / |
| | | administrators |
| | | • Technical personnel / Scientists |
| Mechanism for biosafety informatio | n gathering and reporting | |
| Extent of implementation | Preferred means | Major target groups |
| Minimally addressed | Education and training | Government regulators / |
| • | Funding support | administrators |
| | Technical assistance and advice | • Technical personnel / Scientists |
| | | • Enforcement officials (e.g. field |
| | | inspectors) |
| Training in the use and managemen | t of the BCH central portal | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | IT, BCH and data / information |
| | Guidance / training materials | managers |
| | Conferences and other fora | Government regulators / |
| | | administratorsTechnical personnel / Scientists |
| | | reclinical personner/ Scientists |
| Mechanisms for regional cooperation | | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Technical assistance and advice | Government regulators / administrators |
| | | administratorsTechnical personnel / Scientists |
| | | • Enforcement officials (e.g. field |
| | | inspectors) |
| Training in collaboration tachnisms | s and annroaches | |
| Training in collaboration technique Extent of implementation | S and approaches Preferred means | Major target groups |
| Minimally addressed | Education and training | Major target groupsGovernment regulators / |
| Minimuny addressed | Funding support | administrators |
| | Technical assistance and advice | Technical personnel / Scientists |
| | | • Enforcement officials (e.g. field |
| | | inspectors) |
| Training in negotiation skills | | |
| | Preferred means | Major target groups |
| Extent of implementation | Preferred means | |

| • S | Simple/quick LMO test kits | | |
|-----|--|--|---|
| | | Technical assistance and advice | Enforcement officials (e.g. field inspectors) |
| | | Exchange programmes, internships, study tours, etc. | administratorsTechnical personnel / Scientists |
| | Minimally addressed | Education and training | Government regulators / |
| | Extent of implementation | Preferred means | Major target groups |
| • G | Guidance on unique identification systems | | |
| | | Equipment | Technicians (e.g. in the laboratoriesTechnical personnel / Scientists |
| | | Technical assistance and advice Equipment | administratorsTechnicians (e.g. in the laboratories |
| | Partially addressed | • Funding support | Government regulators / |
| | Extent of implementation | Preferred means | Major target groups |
| | aboratory for LMO detection and analysis | S | |
| | | | Other professionals (e.g. lawyers, economists, etc.) |
| | | | farmers, NGOs, etc.) |
| | | Technical assistance and advice | • Interest groups (consumer groups, |
| | 7 | Funding support | administrators |
| | Partially addressed | Education and training | Government regulators / |
| | Extent of implementation | Preferred means | Major target groups |
| . D | Public-private partnerships for technology | v development | • |
| | | | Technical personnel / Scientists |
| | | - recinical assistance and advice | Government regulators / administrators |
| | | Funding supportTechnical assistance and advice | Ministers) |
| | Partially addressed | Education and training | Decision / policy-makers (e.g. |
| | Extent of implementation | Preferred means | Major target groups |
| | National framework and action plan for te | | |
| | | | Technical personnel / Scientists |
| | | Technical assistance and advice | administrators |
| | | study tours, etc. | Government regulators / |
| | | • Exchange programmes, internships, | managers |
| | Partially addressed | Education and training | IT, BCH and data / information |
| | Extent of implementation | Preferred means | Major target groups |
| • E | Establishment of technology information j | olatforms | |
| | | | Technical personnel / Scientists |
| | | Technical assistance and advice | administrators |
| | | / networks | Government regulators / |
| | · | Membership with professional bodies | Ministers) |
| | Partially addressed | Education and training | Decision / policy-makers (e.g. |
| | Extent of implementation | Preferred means | Major target groups |
| • F | Enabling policy/regulatory framework for | technology transfer | |
| | | | Mass media / extension workers |
| | | - recinical assistance and advice | Interest groups (consumer groups, farmers, NGOs, etc.) |
| | | Conferences and other foraTechnical assistance and advice | administrators • Interest groups (consumer groups |
| | Minimally addressed | Education and training | Government regulators / - desired to the second seco |
| | Extent of implementation | Preferred means | Major target groups |
| • A | access to information on available technol | logies relevant for biosafety | |
| | | | Technical personnel / Scientists |
| | | | administrators |
| | | - reclinical assistance and advice | Government regulators, |
| | | Technical assistance and advice | Ministers) • Government regulators / |

| Partially addressed | | |
|--|--|---|
| 5 | Funding support | Government regulators / |
| | Exchange programmes, internships, | administrators |
| | study tours, etc. | • Technicians (e.g. in the laboratories) |
| | | Enforcement officials (e.g. field inspectors) |
| National system for taking into acc | ount socio-economic considerations in decision-r | - |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Decision / policy-makers (e.g. |
| J | Technical assistance and advice | Ministers) |
| | | Government regulators / |
| | | administrators |
| | | Interest groups (consumer groups, |
| | | farmers, NGOs, etc.) |
| Guidance on taking into account so | cio-economic considerations in decision-making | concerning LMOs |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Decision / policy-makers (e.g. |
| | Guidance / training materials | Ministers) |
| | Technical assistance and advice | Government regulators / |
| | | administrators |
| | | Technical personnel / Scientists |
| Mechanisms for cooperation on res | earch on socio-economic impacts of LMOs | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Government regulators / |
| | Exchange programmes, internships, | administrators |
| | study tours, etc. | Technical personnel / Scientists |
| | Technical assistance and advice | |
| Development of LMO traceability sy | ystems | |
| Extent of implementation | Preferred means | Major target groups |
| Partially addressed | Funding support | Government regulators / |
| | Exchange programmes, internships, | administrators |
| | study tours, etc. | Technical personnel / Scientists |
| | Technical assistance and advice | Enforcement officials (e.g. field |
| | | inspectors) |
| Establishment of identity preservat | ion systems | |
| Extent of implementation | Preferred means | Major target groups |
| | Education and training | Government regulators / |
| Minimally addressed | - u | |
| Minimally addressed | Funding support | administrators |
| Minimally addressed | Funding supportTechnical assistance and advice | administratorsTechnical personnel / Scientists |
| Minimally addressed | | |
| Minimally addressed | | Technical personnel / Scientists |
| | | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| | Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| National system for inspection and | Technical assistance and advice verification of documentation accompanying LM | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) O shipments |
| National system for inspection and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) O shipments Major target groups |
| National system for inspection and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists |
| National system for inspection and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means • Funding support • Exchange programmes, internships, | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators |
| National system for inspection and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists |
| National system for inspection and Extent of implementation • Partially addressed | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field) |
| National system for inspection and Extent of implementation • Partially addressed | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field) |
| National system for inspection and Extent of implementation • Partially addressed National system for managing and | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships protecting confidential information | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) O shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) |
| National system for inspection and Extent of implementation • Partially addressed National system for managing and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships protecting confidential information Preferred means | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups IT, BCH and data / information managers |
| National system for inspection and Extent of implementation • Partially addressed National system for managing and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships protecting confidential information Preferred means Education and training | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups IT, BCH and data / information |
| National system for inspection and Extent of implementation • Partially addressed National system for managing and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships protecting confidential information Preferred means Education and training Funding support | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups IT, BCH and data / information managers Government regulators / administrators |
| National system for inspection and Extent of implementation • Partially addressed National system for managing and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships protecting confidential information Preferred means Education and training Funding support | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups IT, BCH and data / information managers Government regulators / |
| National system for inspection and Extent of implementation • Partially addressed National system for managing and Extent of implementation | Technical assistance and advice verification of documentation accompanying LM Preferred means Funding support Exchange programmes, internships, study tours, etc. Scholarships / fellowships protecting confidential information Preferred means Education and training Funding support Technical assistance and advice | Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Shipments Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) Major target groups IT, BCH and data / information managers Government regulators / administrators |

| Partially addressed | Education and training Funding support Technical assistance and advice | IT, BCH and data / information managers Government regulators / administrators Technical personnel / Scientists |
|-----------------------------------|--|---|
| Guidance on assessment risks of L | MOs to human health | |
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Education and trainingFunding supportTechnical assistance and advice | Government regulators / administrators Technical personnel / Scientists Graduate and undergraduate students |
| Regulatory framework for address | ing human health impacts of LMOs | |
| Extent of implementation | Preferred means | Major target groups |
| Adequately addressed | Education and training Funding support Technical assistance and advice | Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists |