



Capacity Building Needs and Priorities

Record information as	nd status
Record ID	101156
Status	Published
Date of creation	2010-05-10 18:16 UTC (andrew.bowers@cbd.int)
Date of last update	2010-05-17 18:15 UTC (andrew.bowers@cbd.int)
Date of publication	2010-05-17 18:15 UTC (andrew.bowers@cbd.int)

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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
- $\bullet \;\;$ 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 biosafet	y policy	
Extent of implementation	Preferred means	Major target groups
Partially addressed	 Education and training Exchange programmes, internships, study tours, etc. Funding support 	Enforcement officials (e.g. field inspectors)
Development of national biosafety	laws and regulations	
Extent of implementation	Preferred means	Major target groups
Partially addressed	 Funding support Guidance / training materials Technical assistance and advice 	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists
Guidance on mainstreaming of bio	safety into other sectors	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and trainingConferences and other foraFunding support	· [Not specified]
Development of a national liability	and redress regime	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Education and training Guidance / training materials Exchange programmes, internships, study tours, etc. 	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists
Support for implementation of the	national biosafety framework	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	 Technical assistance and advice Conferences and other fora 	 Government regulators / administrators Enforcement officials (e.g. field inspectors) General public
Streamlining of regulatory systems	s related to biosafety	
Extent of implementation	Preferred means	Major target groups
Not addressed	Conferences and other foraFunding supportTechnical assistance and advice	 Decision / policy-makers (e.g. Ministers) Government regulators / administrators
Tools for enforcement of biosafety	laws and regulations	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Funding support Guidance / training materials Technical assistance and advice 	 Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials
Development of administrative syst	tems for handling applications for import and/	or release of LMOs
Extent of implementation	Preferred means	Major target groups
∘ [Not specified]	∘ [Not specified]	∘ [Not specified]
Mechanisms for inter-institutional	communication	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding supportConferences and other foraTechnical assistance and advice	 Government regulators / administrators Technical personnel / Scientists

Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Government regulators /
•	Guidance / training materials	administrators
	 Technical assistance and advice 	 Enforcement officials (e.g. field
		inspectors)
		 Customs officials
System for magement of records r	related to LMO import applications and decisi	ions
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Government regulators /
	Guidance / training materials	administrators
	 Technical assistance and advice 	 Enforcement officials (e.g. field
		inspectors)
		IT, BCH and data / information
		managers
System for decision-making on LM	10s (procedures and guidelines)	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Government regulators /
	Guidance / training materials	administrators
	Technical assistance and advice	Decision / policy-makers (e.g.
		Ministers)
		 Enforcement officials (e.g. field inspectors)
		шэреского)
Access to information communica	9	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	IT, BCH and data / information
	 Funding support 	managers • Government regulators /
	T	
	Technical assistance and advice	ŭ
	Technical assistance and advice	administrators
	Technical assistance and advice	administrators • Enforcement officials (e.g. field
		administrators
	greenhouses)	administratorsEnforcement officials (e.g. field inspectors)
Extent of implementation	greenhouses) Preferred means	administrators • Enforcement officials (e.g. field inspectors) Major target groups
	greenhouses) Preferred means • Funding support	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information
Extent of implementation	greenhouses) Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers
Extent of implementation	greenhouses) Preferred means • Funding support	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information
Extent of implementation	greenhouses) Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators /
Extent of implementation	greenhouses) Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators
Extent of implementation • Not addressed	greenhouses) Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field
Extent of implementation • Not addressed	greenhouses) Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field
Extent of implementation Not addressed Internet connectivity	greenhouses) Preferred means Funding support Technical assistance and advice Guidance / training materials	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
Extent of implementation • Not addressed Internet connectivity Extent of implementation	greenhouses) Preferred means Funding support Technical assistance and advice Guidance / training materials Preferred means	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
Extent of implementation • Not addressed Internet connectivity Extent of implementation	preenhouses) Preferred means Funding support Technical assistance and advice Guidance / training materials Preferred means Funding support	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information
Extent of implementation • Not addressed Internet connectivity Extent of implementation	Preferred means Technical assistance and advice Guidance / training materials Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators
Extent of implementation • Not addressed Internet connectivity Extent of implementation	Preferred means Technical assistance and advice Guidance / training materials Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators /
Extent of implementation • Not addressed Internet connectivity Extent of implementation	Preferred means Technical assistance and advice Guidance / training materials Preferred means Funding support Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators
Extent of implementation Not addressed Internet connectivity Extent of implementation Not addressed	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field
Extent of implementation Not addressed Internet connectivity Extent of implementation Not addressed	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field
Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and su	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and sure extent of implementation	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups
Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and sure extent of implementation	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Applies for biosafety work Preferred means • Funding support	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • Government regulators /
Extent of implementation Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and su Extent of implementation	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Applies for biosafety work Preferred means • Funding support • Conferences and other fora	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and sure extent of implementation	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Applies for biosafety work Preferred means • Funding support • Conferences and other fora	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Enforcement officials (e.g. field inspectors) • Technicians (e.g. in the
Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and sure extent of implementation	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Applies for biosafety work Preferred means • Funding support • Conferences and other fora	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors)
• Not addressed Internet connectivity Extent of implementation • Not addressed Office facilities, equipment and su Extent of implementation • Minimally addressed	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Applies for biosafety work Preferred means • Funding support • Conferences and other fora • Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Enforcement officials (e.g. field inspectors) • Technicians (e.g. in the
 Not addressed Internet connectivity Extent of implementation Not addressed Office facilities, equipment and sure extent of implementation 	Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Preferred means • Funding support • Technical assistance and advice • Guidance / training materials Applies for biosafety work Preferred means • Funding support • Conferences and other fora • Technical assistance and advice	administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • IT, BCH and data / information managers • Government regulators / administrators • Enforcement officials (e.g. field inspectors) Major target groups • Government regulators / administrators • Enforcement officials (e.g. field inspectors) • Enforcement officials (e.g. field inspectors) • Technicians (e.g. in the

	 Guidance / training materials Technical assistance and advice 	 administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers
ccess to information on available	funding sources	
Extent of implementation	Preferred means	Major target groups
• Minimally addressed	Guidance / training materialsEducation and trainingTechnical assistance and advice	Government regulators / administratorsTechnical personnel / Scientists
		 Enforcement officials (e.g. field inspectors)
udgeting and financial managem	ent skills	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	 Guidance / training materials 	administrators
	Conferences and other fora	 Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
esource mobilisation skills (incl	nding project proposal writing)	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	 Guidance / training materials 	administrators
	 Conferences and other fora 	• Enforcement officials (e.g. field
		inspectors)
		Technical personnel / Scientists
ystem for resource-recovery (e.g.	system for collecting fees on applications)	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	 Education and training 	 Government regulators /
	 Guidance / training materials 	administrators
	Technical assistance and advice	 Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
		-
	rith unintentional or illegal transboundary mo	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
	Education and training	administrators
	 Conferences and other fora 	 Enforcement officials (e.g. field inspectors)
		IIISDECTOLS)
Jackanism for inspections and an	forcement of biosafety laws	Technical personnel / Scientists
lechanism for inspections and en Extent of implementation	•	Technical personnel / Scientists
Extent of implementation	Preferred means	Technical personnel / Scientists Major target groups
	Preferred means • Education and training	 Technical personnel / Scientists Major target groups Government regulators /
Extent of implementation	Preferred means	 Technical personnel / Scientists Major target groups Government regulators / administrators
Extent of implementation	Preferred means Education and training Guidance / training materials	 Technical personnel / Scientists Major target groups Government regulators /
Extent of implementation	Preferred means Education and training Guidance / training materials	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field
Extent of implementation	Preferred means Education and training Guidance / training materials Technical assistance and advice	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Extent of implementation Minimally addressed	Preferred means Education and training Guidance / training materials Technical assistance and advice	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Extent of implementation Minimally addressed ystem for post-release monitorin	Preferred means	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials
Extent of implementation Minimally addressed ystem for post-release monitorin Extent of implementation	Preferred means Education and training Guidance / training materials Technical assistance and advice g of LMOs Preferred means	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups
Extent of implementation Minimally addressed ystem for post-release monitorin Extent of implementation	Preferred means • Education and training • Guidance / training materials • Technical assistance and advice g of LMOs Preferred means • Education and training	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators /
Extent of implementation Minimally addressed ystem for post-release monitorin Extent of implementation	Preferred means • Education and training • Guidance / training materials • Technical assistance and advice g of LMOs Preferred means • Education and training • Guidance / training materials	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators
Extent of implementation Minimally addressed ystem for post-release monitorin Extent of implementation	Preferred means • Education and training • Guidance / training materials • Technical assistance and advice g of LMOs Preferred means • Education and training • Guidance / training materials	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Enforcement officials (e.g. field
Extent of implementation Minimally addressed ystem for post-release monitorin Extent of implementation Not addressed	Preferred means • Education and training • Guidance / training materials • Technical assistance and advice g of LMOs Preferred means • Education and training • Guidance / training materials	 Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)

Not addressed	Guidance / training materialsEducation and training	Government regulators / administrators
	Technical assistance and advice	Technical personnel / ScientistsEnforcement officials (e.g. field
		inspectors)
Access to biosafety training mater	ials	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Education and training 	Government regulators /
	 Funding support 	administrators
	Conferences and other fora	 Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
Access to information on staff evol	nange/on-the-job-training opportunities	mopeotors)
Extent of implementation	Preferred means	Major target groups
Not addressed	Membership with professional	Government regulators /
	bodies / networks	administrators
	Guidance / training materials	• Enforcement officials (e.g. field
	Technical assistance and advice	inspectors)
		Technical personnel / Scientists
Training in biosafety legislation ar	nd policy development and practice	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	• Funding support	administrators
	Conferences and other fora	Enforcement officials (e.g. field inspectors)
		inspectors)Technical personnel / Scientists
m		roomitou personner/ ocientists
Training in scientific and technical	•	Major towest
Extent of implementation Minimally addressed	Preferred means	Major target groups
Minimally addressed	Education and trainingFunding support	 Government regulators / administrators
		uummmod alon s
	Technical assistance and advice	 Enforcement officials (e.g. field
		 Enforcement officials (e.g. field inspectors)
Training in legal, social and econo	Technical assistance and advice	inspectors)
Training in legal, social and econo Extent of implementation	Technical assistance and advice	inspectors)
Training in legal, social and econo Extent of implementation • Not addressed	Technical assistance and advice mic fields relevant to biosafety	inspectors) • Technical personnel / Scientists
Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means	inspectors) • Technical personnel / Scientists Major target groups
Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training	inspectors) • Technical personnel / Scientists Major target groups • Government regulators /
Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers,
Extent of implementation • Not addressed	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Extent of implementation Not addressed Training in basics of biosafety and	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.)
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups
Extent of implementation • Not addressed Training in basics of biosafety and	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors)
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Education and training Exchange programmes, internships,	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors)
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc.	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc. Preferred means	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc. Preferred means Education and training	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc. Preferred means	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories) Major target groups Government regulators /
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc. Preferred means Education and training Guidance / training materials	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc. Preferred means Education and training Guidance / training materials	 inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators Enforcement officials (e.g. field
Extent of implementation Not addressed Training in basics of biosafety and Extent of implementation Partially addressed Training in risk assessment Extent of implementation	Technical assistance and advice mic fields relevant to biosafety Preferred means Education and training Conferences and other fora Technical assistance and advice modern biotechnology Preferred means Education and training Conferences and other fora Exchange programmes, internships, study tours, etc. Preferred means Education and training Guidance / training materials	inspectors) Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Other professionals (e.g. lawyers, economists, etc.) Major target groups Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)

Minimally addressed	 Education and training Guidance / training materials Conferences and other fora 	 Government regulators / administrators Enforcement officials (e.g. field inspectors) Technical personnel / Scientists
Training in biosafety regulatory issues		
Extent of implementation	Preferred means	Major target groups
∘ [Not specified]	∘ [Not specified]	∘ [Not specified]
Training in biosafety communication		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
J	Conferences and other fora	administrators
	Technical assistance and advice	• Enforcement officials (e.g. field inspectors)
		Mass media / extension workers
Training in LMO sampling and detection	n	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	Technical assistance and advice	administrators
	Conferences and other fora	• Enforcement officials (e.g. field
		inspectors) • Technicians (e.g. in the
		laboratories)
Fraining in post-release menitoring of I	MOe	,
Training in post-release monitoring of I	LMUS Preferred means	Major target groups
• Not addressed	Education and training	Major target groupsGovernment regulators /
- Wot dudlessed	Guidance / training materials	administrators
	Conferences and other fora	• Enforcement officials (e.g. field
		inspectors)
		Technical personnel / Scientists
Biosafety research		
Extent of implementation	Preferred means	Major target groups
Not addressed	 Funding support 	Government regulators /
	Technical assistance and advice	administrators
	Guidance / training materials	• Enforcement officials (e.g. field
		inspectors)Technical personnel / Scientists
		•
	handling LMO import and release applic	
• Minimally addressed	Preferred means Education and training	Major target groupsGovernment regulators /
- Milliany addressed	Conferences and other fora	administrators
	• Exchange programmes, internships,	• Enforcement officials (e.g. field
	study tours, etc.	inspectors)
		 Other professionals (e.g. lawyers, economists, etc.)
Training in preparation and presentation	on of LMO export or release applications/o	dossiers
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	Guidance / training materials	administrators
	Conferences and other fora	Technical personnel / Scientists
		Enforcement officials (e.g. field
		inspectors)
Training in socio-economic consideration	ons relating to LMOs	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
	Conferences and other fora	administrators

Not addressed	Education and training	Government regulators /
	 Guidance / training materials Conferences and other fora 	 administrators Technical personnel / Scientists Other professionals (e.g. lawyers, economists, etc.)
Training in documentation and id	entification requirements for LMO shipments	
Extent of implementation	Preferred means	Major target groups
 Minimally addressed 	 Education and training 	 Government regulators /
	 Conferences and other fora Technical assistance and advice 	 administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Training in compliance requireme	ents under the Protocol	,
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	 Conferences and other fora Technical assistance and advice 	 administrators Decision / policy-makers (e.g. Ministers) Enforcement officials (e.g. field inspectors)
Training in liability and redress is	ssues under the Protocol	,
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Other professionals (e.g. lawyers,
	Conferences and other foraTechnical assistance and advice	economists, etc.) • Enforcement officials (e.g. field inspectors)
Guidance on other international a	agreements relevant to biosafety	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Decision / policy-makers (e.g.
	 Conferences and other fora 	Ministers)
	Technical assistance and advice	Government regulators /
		administratorsEnforcement officials (e.g. field inspectors)
Access to basic ecological data to	support risk assessments	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
	Funding supportTechnical assistance and advice	administratorsTechnical personnel / ScientistsEnforcement officials (e.g. field inspectors)
Guidance documents on specific a	aspects of risk assessment	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
	Conferences and other foraTechnical assistance and advice	administratorsTechnical personnel / ScientistsEnforcement officials (e.g. field
	roomitour assistance and advise	
		inspectors)
National risk management systen	n/strategy	inspectors)

Not addressed	Funding supportGuidance / training materials	Government regulators / administrators
	Technical assistance and advice	Technical personnel / Scientists
		 Enforcement officials (e.g. field inspectors)
System to detect and appropriate	ly respond to unintentional LMO releases	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
	 Funding support 	administrators
	 Conferences and other fora 	• Technical personnel / Scientists
		 Enforcement officials (e.g. field inspectors)
Guidance on different risk manag	ement measures	. ,
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
	 Conferences and other fora 	administrators
	 Guidance / training materials 	Technical personnel / Scientists
		Enforcement officials (e.g. field increators)
		inspectors)
Mechanisms for cooperation in ris		M. Santana S
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and trainingConferences and other fora	Government regulators / administrators
	 Exchange programmes, internships, 	• Enforcement officials (e.g. field
	study tours, etc.	inspectors)
National framework/system for po	·	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
. ,	Funding support	administrators
	Guidance / training materials	• Enforcement officials (e.g. field
		inspectors)
		Technical personnel / Scientists
Tools and methodologies for envir	conmental monitoring of LMOs	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Funding support 	Government regulators /
	 Technical assistance and advice 	administrators
	Education and training	Technical personnel / Scientists
		 Enforcement officials (e.g. field inspectors)
Diagofaty avvanonaca mataviala		inspectors)
Biosafety awareness materials Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Government regulators /
	Conferences and other fora	administrators
	Guidance / training materials	• Enforcement officials (e.g. field
		inspectors)
		• Interest groups (consumer groups
		farmers, NGOs, etc.)
Biosafety awareness and educatio	n programmes	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	• Decision / policy-makers (e.g.
	Conferences and other fora	Ministers)
	Technical assistance and advice	Interest groups (consumer groups formers NCOs etc.)
		farmers, NGOs, etc.)
		General public
Disease de la companya de la company		General public
Biosafety documentation units or Extent of implementation	reference libraries Preferred means	General public Major target groups

 Not addressed 	Funding support	Government regulators /
	Guidance / training materials	administrators
	Technical assistance and advice	Technical personnel / Scientists
		 Enforcement officials (e.g. field inspectors)
Facilities for public access to bios	afety information and means of access to the	Biosafety Clearing-House
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
	Technical assistance and advice	administrators
	 Conferences and other fora 	IT, BCH and data / information
		managers
National biography and aire		General public
National biosafety website Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
1101 ddd10550d	Guidance / training materials	administrators
	Technical assistance and advice	Enforcement officials (e.g. field)
		inspectors)
		Technical personnel / Scientists
Biosafety outreach strategy/ comn	nunication plan	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	Funding support	administrators
	Technical assistance and advice	Mass media / extension workers
		Interest groups (consumer groups)
		farmers, NGOs, etc.)
Training in risk-communication		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training Conferences and other force	Government regulators / administrators
	 Conferences and other fora Technical assistance and advice 	administrators
	· reclinical assistance and advice	 Enforcement officials (e.g. field inspectors)
		Mass media / extension workers
Systems for public participation in	n biosafety	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Conferences and other fora	Government regulators /
J	Technical assistance and advice	administrators
	Education and training	Enforcement officials (e.g. field)
	9	inspectors)
		Technical personnel / Scientists
National system (policy, procedure	es and mechanisms) for biosafety information	n management
	Preferred means	3.6.1
Extent of implementation	FIEIEIIEU IIIEUIIS	Major target groups
Extent of implementation • Minimally addressed	Education and training	Decision / policy-makers (e.g.
	 Education and training Funding support	Decision / policy-makers (e.g. Ministers)
	Education and training	 Decision / policy-makers (e.g. Ministers) Government regulators /
	 Education and training Funding support	 Decision / policy-makers (e.g. Ministers) Government regulators / administrators
Minimally addressed	 Education and training Funding support Guidance / training materials 	 Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists
Minimally addressed Equipment (hardware and software)	 Education and training Funding support Guidance / training materials e) to facilitate national participation in the Example 1	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CH
Minimally addressed Equipment (hardware and software extent of implementation	 Education and training Funding support Guidance / training materials e) to facilitate national participation in the E Preferred means	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CH Major target groups
Minimally addressed Equipment (hardware and software)	 Education and training Funding support Guidance / training materials e) to facilitate national participation in the Engrephysical Preferred means Funding support 	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CH Major target groups Government regulators /
Minimally addressed Equipment (hardware and software extent of implementation)	 Education and training Funding support Guidance / training materials e) to facilitate national participation in the Englishment Funding support Technical assistance and advice 	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CH Major target groups Government regulators / administrators
Minimally addressed Equipment (hardware and software extent of implementation)	 Education and training Funding support Guidance / training materials e) to facilitate national participation in the Engrephysical Preferred means Funding support 	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CCH Major target groups Government regulators / administrators IT, BCH and data / information
Minimally addressed Equipment (hardware and software extent of implementation)	 Education and training Funding support Guidance / training materials e) to facilitate national participation in the Englishment Funding support Technical assistance and advice 	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CH Major target groups Government regulators / administrators
Minimally addressed Equipment (hardware and software extent of implementation)	Education and training Funding support Guidance / training materials e) to facilitate national participation in the Englishment Preferred means Funding support Technical assistance and advice Guidance / training materials	Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists CCH Major target groups Government regulators / administrators IT, BCH and data / information managers

Not addressed	 Funding support Guidance / training materials Technical assistance and advice 	 Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
Interoperability with the BCH cer	ntral portal	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	Government regulators /
	Guidance / training materialsConferences and other fora	administratorsIT, BCH and data / information managers
Non-Internet access to the BCH		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	 Funding support 	administrators
	Guidance / training materials	IT, BCH and data / information managers
		Technical personnel / Scientists
Systems for data and information	security and back-up	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
	Technical assistance and advice Cuidance / training materials	administratorsIT, BCH and data / information
	Guidance / training materials	managers
		Enforcement officials (e.g. field inspectors)
Systems for data validation and q	uality control	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
	Guidance / training materials	administrators
	 Technical assistance and advice 	• Enforcement officials (e.g. field
		inspectors)
		 Technicians (e.g. in the laboratories)
		laboratories)
Mechanism for biosafety information		
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and trainingConferences and other fora	 Government regulators / administrators
	Technical assistance and advice	Technical personnel / Scientists
	roominour assissance and davise	IT, BCH and data / information
		managers
Training in the use and managem	ent of the BCH central portal	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Conferences and other fora	IT, BCH and data / information
	Guidance / training materials	managers
	Technical assistance and advice	Government regulators /
		administratorsTechnical personnel / Scientists
Mechanisms for regional coopera	tion	- Filling, Colomado
	Preferred means	Major target groups
Extent of implementation • Minimally addressed	Education and training	Major target groupsGovernment regulators /
	Conferences and other fora	administrators
	Exchange programmes, internships,	Technical personnel / Scientists
	etudy tours ato	• Enforcement officials (o.g. field

study tours, etc. $\,$

• Training in collaboration techniques and approaches

 $\bullet \quad \hbox{Enforcement officials (e.g. field} \\$

inspectors)

Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
	 Conferences and other fora 	administrators
	 Guidance / training materials 	• Enforcement officials (e.g. field
		inspectors)
		Technical personnel / Scientists
Training in negotiation skills		
Extent of implementation	Preferred means	Major target groups
Not addressed	 Education and training 	 Government regulators /
	Conferences and other fora	administrators
	Technical assistance and advice	Technical personnel / ScientistsOther professionals (e.g. lawyers,
		economists, etc.)
		,,
	e technologies relevant for biosafety	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and trainingGuidance / training materials	 Government regulators / administrators
	Conferences and other fora	Technical personnel / Scientists
	comoronoco una omor tota	• Enforcement officials (e.g. field
		inspectors)
Enabling policy/regulatory framev	vork for technology transfer	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Decision / policy-makers (e.g.
	Funding support	Ministers)
	Conferences and other fora	Government regulators /
		administrators
		Technical personnel / Scientists
Establishment of technology infor	mation platforms	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Decision / policy-makers (e.g.
	 Conferences and other fora 	Ministers)
	 Technical assistance and advice 	 Government regulators /
		administrators
		 Technical personnel / Scientists
-		
Extent of implementation	Preferred means	Major target groups
-	Preferred means • Education and training	Government regulators /
Extent of implementation	Preferred means Education and training Funding support	Government regulators / administrators
Extent of implementation	Preferred means • Education and training	Government regulators / administratorsDecision / policy-makers (e.g.
Extent of implementation	Preferred means Education and training Funding support	 Government regulators / administrators Decision / policy-makers (e.g. Ministers)
Extent of implementation • Not addressed	Preferred means • Education and training • Funding support • Technical assistance and advice	Government regulators / administratorsDecision / policy-makers (e.g.
Extent of implementation Not addressed Public-private partnerships for techniques	Preferred means	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists
Extent of implementation Not addressed Public-private partnerships for teachers.	Preferred means	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups
Extent of implementation Not addressed Public-private partnerships for techniques	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g.
Extent of implementation Not addressed Public-private partnerships for teachers.	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support • Conferences and other fora	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers)
Extent of implementation Not addressed Public-private partnerships for teasesteent of implementation	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g.
Extent of implementation Not addressed Public-private partnerships for teachers.	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support • Conferences and other fora	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators /
Extent of implementation Not addressed Public-private partnerships for telestent of implementation Not addressed	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators
Extent of implementation Not addressed Public-private partnerships for telegrate the second implementation Not addressed Laboratory for LMO detection and	Preferred means • Education and training • Funding support • Technical assistance and advice Chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists
Extent of implementation Not addressed Public-private partnerships for telescent of implementation Not addressed aboratory for LMO detection and Extent of implementation	Preferred means • Education and training • Funding support • Technical assistance and advice Chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice analysis Preferred means	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists Major target groups
Extent of implementation Not addressed Public-private partnerships for tea Extent of implementation Not addressed Laboratory for LMO detection and	Preferred means • Education and training • Funding support • Technical assistance and advice Chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice analysis Preferred means • Education and training	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists Major target groups Government regulators /
Extent of implementation Not addressed Public-private partnerships for telescent of implementation Not addressed Laboratory for LMO detection and Extent of implementation	Preferred means • Education and training • Funding support • Technical assistance and advice Chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice analysis Preferred means	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists Major target groups
Extent of implementation Not addressed Public-private partnerships for telescent of implementation Not addressed Laboratory for LMO detection and Extent of implementation	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice analysis Preferred means • Education and training • Funding support	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists Major target groups Government regulators / administrators
 Not addressed Public-private partnerships for term Extent of implementation Not addressed Laboratory for LMO detection and Extent of implementation 	Preferred means • Education and training • Funding support • Technical assistance and advice chnology development Preferred means • Funding support • Conferences and other fora • Technical assistance and advice analysis Preferred means • Education and training • Funding support	 Government regulators / administrators Decision / policy-makers (e.g. Ministers) Technical personnel / Scientists Major target groups Decision / policy-makers (e.g. Ministers) Government regulators / administrators Technical personnel / Scientists Major target groups Government regulators / administrators Enforcement officials (e.g. field

• Guidance on unique identification systems

37 : 11 - 1	Preferred means	Major target groups
Not addressed	• Funding support	Government regulators / descriptions to research a research and research are research as the
	Conferences and other foraTechnical assistance and advice	administratorsEnforcement officials (e.g. field
	Tooliniour abblissands and adviso	inspectors)
		• Technicians (e.g. in the
		laboratories)
Simple/quick LMO test kits		
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
	 Education and training Technical assistance and advice 	administratorsEnforcement officials (e.g. field
	reclinical assistance and advice	inspectors)
		Customs officials
National system for taking into a	ccount socio-economic considerations in decis	sion-making regarding LMOs
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Decision / policy-makers (e.g.
	Guidance / training materials	Ministers)
	Technical assistance and advice	Government regulators /
		administrators
		Technical personnel / Scientists
_	socio-economic considerations in decision-ma	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding supportGuidance / training materials	 Decision / policy-makers (e.g. Ministers)
	Technical assistance and advice	Government regulators /
		administrators
		Technical personnel / Scientists
Mechanisms for cooperation on r	esearch on socio-economic impacts of LMOs	
Extent of implementation	Preferred means	Major target groups
 Not addressed 	. Eunding cupport	The least of the second of Control of the second of the se
1 Not addressed	 Funding support 	Technical personnel / Scientists
• Not addressed	Guidance / training materials	Government regulators /
· Not addressed		 Government regulators / administrators
· Not audresseu	Guidance / training materials	Government regulators /
	 Guidance / training materials Technical assistance and advice 	Government regulators / administratorsOther professionals (e.g. lawyers,
	 Guidance / training materials Technical assistance and advice 	Government regulators / administratorsOther professionals (e.g. lawyers,
Development of LMO traceability	Guidance / training materials Technical assistance and advice systems	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.)
Development of LMO traceability Extent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators
Development of LMO traceability Extent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field
Development of LMO traceability Extent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators
Development of LMO traceability Extent of implementation Not addressed	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserv	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice sation systems	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preservent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice ation systems Preferred means	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserv	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice sation systems	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preservent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice ation systems Preferred means Funding support	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators /
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preservent of implementation	• Guidance / training materials • Technical assistance and advice systems Preferred means • Funding support • Guidance / training materials • Technical assistance and advice ation systems Preferred means • Funding support • Guidance / training materials	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preservent of implementation	• Guidance / training materials • Technical assistance and advice systems Preferred means • Funding support • Guidance / training materials • Technical assistance and advice ation systems Preferred means • Funding support • Guidance / training materials	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Technical personnel / Scientists
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserv Extent of implementation Not addressed	• Guidance / training materials • Technical assistance and advice systems Preferred means • Funding support • Guidance / training materials • Technical assistance and advice ation systems Preferred means • Funding support • Guidance / training materials	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserve Extent of implementation Not addressed National system for inspection and Extent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice ation systems Preferred means Funding support Guidance / training materials Technical assistance and advice at or systems Preferred means Funding support Guidance / training materials Technical assistance and advice	 Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserv Extent of implementation Not addressed	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice ation systems Preferred means Funding support Guidance / training materials Technical assistance and advice at order of training materials Technical assistance and advice and verification of documentation accompanying training materials Guidance / training materials Guidance / training materials	Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) LMO shipments Major target groups Government regulators /
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserve Extent of implementation Not addressed National system for inspection and Extent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice ation systems Preferred means Funding support Guidance / training materials Technical assistance and advice ad verification of documentation accompanying Preferred means Guidance / training materials Guidance / training materials Technical assistance and advice	Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) LMO shipments Major target groups Government regulators / administrators Government regulators / administrators
Development of LMO traceability Extent of implementation Not addressed Establishment of identity preserve Extent of implementation Not addressed National system for inspection and Extent of implementation	Guidance / training materials Technical assistance and advice systems Preferred means Funding support Guidance / training materials Technical assistance and advice ation systems Preferred means Funding support Guidance / training materials Technical assistance and advice at order of training materials Technical assistance and advice and verification of documentation accompanying training materials Guidance / training materials Guidance / training materials	Government regulators / administrators Other professionals (e.g. lawyers, economists, etc.) Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Customs officials Major target groups Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors) LMO shipments Major target groups Government regulators /

Extent of implementation	Preferred means	Major target groups
Not addressed	Guidance / training materialsConferences and other fora	Government regulators / administrators
	Technical assistance and advice	Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
Training in biosafety record keepi	ng and information security	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	 Guidance / training materials Conferences and other fora Technical assistance and advice 	 Government regulators / administrators Technical personnel / Scientists Enforcement officials (e.g. field inspectors)
Guidance on assessment risks of I	MOs to human health	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Conferences and other fora Guidance / training materials Technical assistance and advice 	 Government regulators / administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Regulatory framework for address	ing human health impacts of LMOs	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Guidance / training materials Exchange programmes, internships, study tours, etc. Technical assistance and advice 	 Government regulators / administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)