



Capacity Building Needs and Priorities

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General Information

Country

• Fiji

Contact person

Mr. Rahul Chand

Coordinator Biosafety



Biosafety
Department of Environment

P.O. Box 2109, Govt Buildings Suva

Suva Fiji

Phone: +679 3311 699 Email: rahul.chand@govnet.fj

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
- Information exchange and data management including participation in the Biosafety Clearing-House
- · Scientific, technical and institutional collaboration at subregional, regional and international levels
- Technology transfer
- Identification of LMOs, including their detection
- Socio-economic considerations
- Implementation of the documentation requirements under Article 18.2 of the Protocol
- · Handling of confidential information
- · Measures to address unintentional and/or illegal transboundary movements of LMOs
- Scientific biosafety research relating to LMOs
- · Taking into account risks to human health

Needs and priorities

Specific needs and priorities

· Development of a national biosafety policy

 $Extent\ of\ implementation$

Preferred means

Major target groups

· Partially addressed

· Technical assistance and advice

· General public

	Funding support	Decision / policy-makers (e.g. Ministers)Other
Development of national biosafety la	aws and regulations	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding supportTechnical assistance and advice	 Decision / policy-makers (e.g. Ministers) Interest groups (consumer groups,
		farmers, NGOs, etc.)
Guidance on mainstreaming of bios	afety into other sectors	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Education and training 	 General public
	Conferences and other fora	 Interest groups (consumer groups, farmers, NGOs, etc.) Graduate and undergraduate students
Development of a national liability a	and redress regime	
Extent of implementation	Preferred means	Major target groups
Not addressed	Technical assistance and advice	· [Not specified]
Support for implementation of the r	national biosafety framework	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	General public
	Guidance / training materials	• Interest groups (consumer groups,
		farmers, NGOs, etc.)
		Graduate and undergraduate
		students
Streamlining of regulatory systems	related to biosafety	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	 Education and training 	• Interest groups (consumer groups,
	 Funding support 	farmers, NGOs, etc.)
	 Membership with professional bodies 	 IT, BCH and data / information
	/ networks	managers
		• Enforcement officials (e.g. field
		inspectors)
Tools for enforcement of biosafety la		
Extent of implementation	Preferred means	Major target groups
	Preferred means • Funding support	Government regulators /
Extent of implementation	Preferred means • Funding support • Guidance / training materials	Government regulators / administrators
Extent of implementation	Preferred means • Funding support	Government regulators / administrators Enforcement officials (e.g. field)
Extent of implementation	Preferred means • Funding support • Guidance / training materials	Government regulators / administrators Enforcement officials (e.g. field inspectors)
Extent of implementation	Preferred means • Funding support • Guidance / training materials	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information
Extent of implementation • Not addressed	Preferred means • Funding support • Guidance / training materials • Conferences and other fora	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers
Extent of implementation Not addressed Development of administrative systems	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or a	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs
Extent of implementation Not addressed Development of administrative system Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or an	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups
Extent of implementation Not addressed Development of administrative systems	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs
Extent of implementation Not addressed Development of administrative system Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or an	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators /
Extent of implementation Not addressed Development of administrative system Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training • Funding support	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators
Extent of implementation Not addressed Development of administrative system Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training • Funding support	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Extent of implementation Not addressed Development of administrative system Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training • Funding support • Guidance / training materials	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Not addressed Development of administrative system Extent of implementation Not addressed	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training • Funding support • Guidance / training materials	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors)
Not addressed Not addressed Development of administrative system Extent of implementation Not addressed Mechanisms for inter-institutional of Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training • Funding support • Guidance / training materials	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Not addressed Not addressed Development of administrative system of implementation Not addressed Mechanisms for inter-institutional of the system of the s	Preferred means • Funding support • Guidance / training materials • Conferences and other fora ems for handling applications for import and/or and training • Education and training • Funding support • Guidance / training materials communication Preferred means	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories)
Not addressed Not addressed Development of administrative system Extent of implementation Not addressed Mechanisms for inter-institutional of Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora Preferred means • Education and training • Funding support • Guidance / training materials Communication Preferred means • Education and training materials	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories Major target groups Interest groups (consumer groups,
Not addressed Not addressed Development of administrative system Extent of implementation Not addressed Mechanisms for inter-institutional of Extent of implementation	Preferred means • Funding support • Guidance / training materials • Conferences and other fora Preferred means • Education and training • Funding support • Guidance / training materials Communication Preferred means • Education and training materials Communication Preferred means • Education and training • Funding support	Government regulators / administrators Enforcement officials (e.g. field inspectors) IT, BCH and data / information managers release of LMOs Major target groups Government regulators / administrators Enforcement officials (e.g. field inspectors) Technicians (e.g. in the laboratories Major target groups Interest groups (consumer groups, farmers, NGOs, etc.)

Mechanism for coordination among	g national regulatory authorities and processes	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Customs officials
. ,	Funding support	Government regulators /
	Guidance / training materials	administrators
		IT, BCH and data / information
		managers
System for magement of records re	elated to LMO import applications and decisions	-
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Government regulators /
1100 aaa10000	Funding support	administrators
	Guidance / training materials	Technical personnel / Scientists
		Customs officials
System for decision-making on LM	Os (procedures and quidelines)	
Extent of implementation	Preferred means	Major target groups
Not addressed		• Government regulators /
• Not addressed	Education and trainingFunding support	administrators
	Guidance / training materials	Enforcement officials (e.g. field)
	- Guidance / training materials	inspectors)
		Customs officials
		Customo dinolais
Access to information communicat	_	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	• Technicians (e.g. in the laboratories)
	Guidance / training materials	IT, BCH and data / information
	 Conferences and other fora 	managers
		Customs officials
Biosafety research facilities (e.g. g	reenhouses)	
Extent of implementation	Preferred means	Major target groups
 Minimally addressed 	 Education and training 	Government regulators /
	 Funding support 	administrators
	 Guidance / training materials 	 Graduate and undergraduate
		students
		 Interest groups (consumer groups, farmers, NGOs, etc.)
		idiniers, ivoos, etc.)
Internet connectivity	Day farma J	M-:
Extent of implementation	Preferred means	Major target groups
Partially addressed	Funding supportTechnical assistance and advice	Government regulators / administrators
	Education and training	IT, BCH and data / information
	- Education and training	managers
		Mass media / extension workers
0.00		Place modia / Oxfolision workers
Office facilities, equipment and sup		Maiantanas
Extent of implementation	Preferred means	Major target groups
Partially addressed	Funding support	Government regulators /
	Exchange programmes, internships,	administrators
	study tours, etc.	• Enforcement officials (e.g. field
	Technical assistance and advice	inspectors)
		Customs officials
Telecommunication facilities (e.g.	telephone, fax, e-mail)	
Extent of implementation	Preferred means	Major target groups
 Adequately addressed 	Guidance / training materials	Government regulators /
	 Conferences and other fora 	administrators
	 Exchange programmes, internships, 	• Technicians (e.g. in the laboratories)
	study tours, etc.	Mass media / extension workers
Access to information on available	funding sources	
Extent of implementation	Preferred means	Major target groups

Adequately addressed	Guidance / training materials	Government regulators /
	Education and trainingTechnical assistance and advice	administratorsInterest groups (consumer groups,
		farmers, NGOs, etc.) • Technical personnel / Scientists
Budgeting and financial managem	ent skills	reclinical personner, determines
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	Government regulators /
	Guidance / training materials	administrators
	 Funding support 	 Enforcement officials (e.g. field
		inspectors)
		 IT, BCH and data / information managers
Resource mobilisation skills (inclu	ding project proposal writing)	Ü
Extent of implementation	Preferred means	Major target groups
Partially addressed	Funding support	Government regulators /
	Education and training	administrators
	Guidance / training materials	Enforcement officials (e.g. field
		inspectors) • Customs officials
•	ith unintentional or illegal transboundary move	
Extent of implementationMinimally addressed	Preferred means • Education and training	Major target groupsEnforcement officials (e.g. field
- Minimany addressed	Education and trainingFunding support	inspectors)
	Guidance / training materials	Customs officials
		• Technicians (e.g. in the laboratories
Mechanism for inspections and en	forcement of biosafety laws	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	Enforcement officials (e.g. field
	• Funding support	inspectors)
	Guidance / training materials	
System for post-release monitoring		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and trainingFunding support	 Enforcement officials (e.g. field inspectors)
	Guidance / training materials	• Technicians (e.g. in the laboratories
	,	Interest groups (consumer groups,
		farmers, NGOs, etc.)
Access to information on existing a	academic training programmes in biosafety	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training Funding support	IT, BCH and data / information
	Funding support	managers • Graduate and undergraduate
		students
		Interest groups (consumer groups,
		farmers, NGOs, etc.)
Access to biosafety training mater	ials	
Extent of implementation	Preferred means	Major target groups
 Adequately addressed 	Conferences and other fora	∘ [Not specified]
	Funding support	
Access to information on staff excl	nange/on-the-job-training opportunities	
	Preferred means	Major target groups
Extent of implementation		[AT. 1
Extent of implementation • Minimally addressed	Conferences and other fora	∘ [Not specified]
		∘ [Not specmea]
Minimally addressed		∘ [Not specmea] Major target groups

	Funding supportGuidance / training materials	Enforcement officials (e.g. field inspectors)Interest groups (consumer groups,
		farmers, NGOs, etc.)
Training in scientific and technical	fields relevant to biosafety	
Extent of implementation	Preferred means	Major target groups
Adequately addressed	Funding support	Graduate and undergraduate
	Education and trainingExchange programmes, internships,	students • Interest groups (consumer groups,
	study tours, etc.	farmers, NGOs, etc.)
Training in legal, social and econom	nic fields relevant to biosafety	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Other professionals (e.g. lawyers,
	 Conferences and other fora 	economists, etc.)
Training in basics of biosafety and	nodern biotechnology	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	 Graduate and undergraduate
	Guidance / training materials	students
Training in risk assessment		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Enforcement officials (e.g. field
	Funding support Guidence (twining protection)	inspectors)
	Guidance / training materials	Customs officialsTechnicians (e.g. in the laboratories
		reclinicians (e.g. in the laboratories
Training in risk management		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and trainingFunding support	Technicians (e.g. in the laboratoriesCustoms officials
	Funding supportGuidance / training materials	Enforcement officials (e.g. field)
	Guidanoo / wammig matorialo	inspectors)
Training in biosafety regulatory issu	ies	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	Government regulators /
	 Conferences and other fora 	administrators
		 Technical personnel / Scientists
		IT, BCH and data / information
		managers
Training in biosafety communication	n	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Government regulators /
	Education and trainingGuidance / training materials	administrators
	J	
Training in LMO sampling and dete		
Extent of implementation	Preferred means	Major target groups
Partially addressed	 Education and training Funding support	Customs officialsTechnicians (e.g. in the laboratories
	Guidance / training materials	 Enforcement officials (e.g. field
	outdated / truming materials	inspectors)
Training in post-release monitoring	of LMOs	
Extent of implementation	Preferred means	Major target groups
• [Not specified]	Education and training	Technicians (e.g. in the laboratories)
	Funding support	Customs officials
	Guidance / training materials	• Enforcement officials (e.g. field
	3	
	5	inspectors)

Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	Graduate and undergraduate
	 Exchange programmes, internships, 	students
	study tours, etc.	 Interest groups (consumer groups,
	 Scholarships / fellowships 	farmers, NGOs, etc.)
		General public
_	s for handling LMO import and release application	ons
Extent of implementation	Preferred means	Major target groups
 Minimally addressed 	Education and training	Customs officials
	Guidance / training materials	IT, BCH and data / information
	Funding support	managers
		 Interest groups (consumer groups, farmers, NGOs, etc.)
Training in avenagetion and avecage	tation of IMO armost as valence applications/decorate	
Extent of implementation	tation of LMO export or release applications/dos Preferred means	
Not addressed	Education and training	Major target groups
- Ivot audressed	Funding support	Government regulators / administrators
	Guidance / training materials	IT, BCH and data / information
	Guidance / training materials	managers
		Interest groups (consumer groups,
		farmers, NGOs, etc.)
Training in socio-economic conside	erations relating to LMOs	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Other professionals (e.g. lawyers,
	Education and training	economists, etc.)
	 Guidance / training materials 	 Interest groups (consumer groups,
		farmers, NGOs, etc.)
		General public
Training in cost/benefit analysis as	part of the risk management strategy	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Customs officials
		• Enforcement officials (e.g. field
		inspectors)
		Technicians (e.g. in the laboratories)
Training in documentation and ide	ntification requirements for LMO shipments	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Guidance / training materials	• Technicians (e.g. in the laboratories)
	 Education and training 	 Customs officials
		T 0
		Enforcement officials (e.g. field
		Enforcement officials (e.g. field inspectors)
		inspectors)
Extent of implementation	Preferred means	inspectors) Major target groups
	Preferred means • Education and training	inspectors) Major target groups • Enforcement officials (e.g. field
Extent of implementation	Preferred means Education and training Funding support	inspectors) Major target groups Enforcement officials (e.g. field inspectors)
Extent of implementation	Preferred means • Education and training	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials
Extent of implementation • Partially addressed	 Preferred means Education and training Funding support Guidance / training materials 	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials
Extent of implementation • Partially addressed Guidance on other international ag	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety	 inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories)
Extent of implementation • Partially addressed Guidance on other international agentation	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means	 inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups
Extent of implementation • Partially addressed Guidance on other international ag	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means • Education and training	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups Government regulators /
Extent of implementation • Partially addressed Guidance on other international agentation	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators
Extent of implementation • Partially addressed Guidance on other international agentation	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means • Education and training	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators Interest groups (consumer groups,
Extent of implementation Partially addressed Guidance on other international ag Extent of implementation Adequately addressed	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means • Education and training • Conferences and other fora	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators
 Partially addressed Guidance on other international ag Extent of implementation Adequately addressed Access to basic ecological data to see 	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means • Education and training • Conferences and other fora	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators Interest groups (consumer groups, farmers, NGOs, etc.)
Extent of implementation Partially addressed Guidance on other international agentation Extent of implementation Adequately addressed Access to basic ecological data to sent the extent of implementation	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means • Education and training • Conferences and other fora upport risk assessments Preferred means	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories) Major target groups Government regulators / administrators Interest groups (consumer groups, farmers, NGOs, etc.)
Extent of implementation Partially addressed Guidance on other international agentation Extent of implementation Adequately addressed Access to basic ecological data to see	Preferred means • Education and training • Funding support • Guidance / training materials reements relevant to biosafety Preferred means • Education and training • Conferences and other fora	inspectors) Major target groups Enforcement officials (e.g. field inspectors) Customs officials Technicians (e.g. in the laboratories Major target groups Government regulators / administrators Interest groups (consumer groups, farmers, NGOs, etc.)

Guidance documents on specific as	spects of risk assessment	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Customs officials
,	Technical assistance and advice	Enforcement officials (e.g. field
	Education and training	inspectors)
		• Technicians (e.g. in the laboratories)
Guidance on how to perform risk a	ssessment	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Customs officials
,	5 11	• Technicians (e.g. in the laboratories)
National rick management system	/strategy	
National risk management system		Maria da contra con contra
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	 Decision / policy-makers (e.g. Ministers)
System to detect and appropriately	respond to unintentional LMO releases	,
Extent of implementation	Preferred means	Major target groups
Adequately addressed	Funding support	• Enforcement officials (e.g. field
Taoquatory dudi obsolu	Education and training	inspectors)
	Guidance / training materials	Customs officials
	Caracino / training mutorials	 Technicians (e.g. in the laboratories)
Machanisms for soon	k managamant	(0.9 110 145014101103)
Mechanisms for cooperation in ris	<u> </u>	Majandani
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and trainingConferences and other fora	Mass media / extension workers Interest groups (consumer groups)
		Interest groups (consumer groups, formers, NCOs, etc.)
	Funding support	farmers, NGOs, etc.) • General public
		Gonoral public
National framework/system for pos		M. Santana and A.
Extent of implementation	Preferred means	Major target groups
Not addressed	∘ [Not specified]	∘ [Not specified]
Tools and methodologies for enviro	onmental monitoring of LMOs	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	∘ [Not specified]	∘ [Not specified]
Biosafety documentation units or i	reference libraries	
Extent of implementation	Preferred means	Major target groups
Adequately addressed	Guidance / training materials	Mass media / extension workers
	3	General public
Facilities for public access to biosa	afety information and means of access to the B	iosafety Clearing-House
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	 Interest groups (consumer groups,
	Funding support	farmers, NGOs, etc.)
National biosafety website		
ŭ	Preferred means	Major target groups
Extent of implementation	Funding support	Major target groups
Partially addressed	- randing support	 Interest groups (consumer groups, farmers, NGOs, etc.)
Training in risk-communication		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	• Interest groups (consumer groups,
minimumy dudiessed	Guidance / training materials	farmers, NGOs, etc.)
Combanna form 111	_	, 1.000, 000.,
Systems for public participation in		
Extent of implementation	Preferred means	Major target groups
	 Funding support 	 Interest groups (consumer groups,
Adequately addressed	r ununing support	0
	1 didding Support	farmers, NGOs, etc.)
	r unumg support	farmers, NGOs, etc.) • Mass media / extension workers • General public

	es and mechanisms) for biosafety information	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Funding support	 Interest groups (consumer groups, farmers, NGOs, etc.)
Equipment (hardware and software	e) to facilitate national participation in the BC	СН
Extent of implementation	Preferred means	Major target groups
Adequately addressed	Funding support	IT, BCH and data / information
		managers
Establishment of national biosafet	y databases	
Extent of implementation	Preferred means	Major target groups
 Minimally addressed 	 Guidance / training materials 	 IT, BCH and data / information
		managers
		 Interest groups (consumer groups,
		farmers, NGOs, etc.)
		 Customs officials
Interoperability with the BCH cent	tral portal	
Extent of implementation	Preferred means	Major target groups
Adequately addressed	∘ [Not specified]	∘ [Not specified]
	*	
Non-Internet access to the BCH		
Extent of implementation	Preferred means	Major target groups
Partially addressed	• [Not specified]	• [Not specified]
Systems for data and information	security and back-up	
Extent of implementation	Preferred means	Major target groups
 Minimally addressed 	∘ [Not specified]	• [Not specified]
Systems for data validation and qu	ality control	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Customs officials
	Guidance / training materials	IT, BCH and data / information
	Education and training	managers
	J	 Technicians (e.g. in the laboratories)
Mechanism for biosafety informati	ion gathering and reporting	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Funding support	Government regulators /
rar starty addressed	r anamy support	administrators
Training in the use and manageme	ent of the BCH central portal	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	Government regulators /
J 17	Guidance / training materials	administrators
Machanisma for regis1	ŭ	
Mechanisms for regional cooperat		Major target groups
Extent of implementation	Preferred means	Major target groups
Adequately addressed	Conferences and other fora	Government regulators / administrators
		administrators
		Decision / policy-makers (e.g.
		Ministers)
		IT, BCH and data / information
		· · · · · · · · · · · · · · · · · · ·
Training in collaboration techniqu		IT, BCH and data / information
Extent of implementation	Preferred means	IT, BCH and data / information managers Major target groups
_		IT, BCH and data / information managers Major target groups Government regulators /
Extent of implementation	Preferred means	IT, BCH and data / information managers Major target groups
Extent of implementation Partially addressed Training in negotiation skills	Preferred means • Education and training	IT, BCH and data / information managers Major target groups Government regulators /
Extent of implementation • Partially addressed Training in negotiation skills Extent of implementation	Preferred means • Education and training Preferred means	 IT, BCH and data / information managers Major target groups Government regulators / administrators Major target groups
Extent of implementation Partially addressed Training in negotiation skills	Preferred means • Education and training	 IT, BCH and data / information managers Major target groups Government regulators / administrators

		Government regulators / administratorsIT, BCH and data / information managers
Access to information on available	technologies relevant for biosafety	
Extent of implementation	Preferred means	Major target groups
Adequately addressed	∘ [Not specified]	• [Not specified]
Enabling policy/regulatory framew	vork for technology transfer	
Extent of implementation	Preferred means	Major target groups
 Minimally addressed 	 Education and training 	 Government regulators /
	Funding support	administrators
	Technical assistance and advice	
Establishment of technology infor	mation platforms	
Extent of implementation	Preferred means	Major target groups
Not addressed	 Funding support 	 Government regulators /
	 Guidance / training materials 	administrators
	Technical assistance and advice	
National framework and action pla	an for technology transfer	
Extent of implementation	Preferred means	Major target groups
Not addressed	Funding support	Government regulators /
	 Technical assistance and advice 	administrators
Public-private partnerships for tec	chnology development	
Extent of implementation	Preferred means	Major target groups
Not addressed	Technical assistance and advice	General public
	 Guidance / training materials 	 Interest groups (consumer groups,
	 Education and training 	farmers, NGOs, etc.)
Laboratory for LMO detection and	analysis	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Enforcement officials (e.g. field
3	Education and training	inspectors)
	 Guidance / training materials 	 Customs officials
		• Technicians (e.g. in the laboratories
Guidance on unique identification	systems	
Extent of implementation	Preferred means	Major target groups
Not addressed	Education and training	Customs officials
	 Guidance / training materials 	 Interest groups (consumer groups,
	 Technical assistance and advice 	farmers, NGOs, etc.)
		Technicians (e.g. in the laboratories)
Simple/quick LMO test kits		
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Funding support	Customs officials
	 Education and training 	 Technicians (e.g. in the laboratories)
	 Technical assistance and advice 	 Enforcement officials (e.g. field
		inspectors)
National system for taking into ac	count socio-economic considerations in decisio	n-making regarding LMOs
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and training	Government regulators /
	 Conferences and other fora 	administrators
	 Technical assistance and advice 	• Decision / policy-makers (e.g.
		Ministers)
		Interest groups (consumer groups, farmers, NCOs, etc.)
		farmers, NGOs, etc.)
_	ocio-economic considerations in decision-maki	ng concerning LMOs
Extent of implementation	Preferred means	Major target groups
Minimally addressed	Education and training	IT, BCH and data / information

	 Conferences and other fora Technical assistance and advice 	 managers Government regulators / administrators Interest groups (consumer groups, farmers, NGOs, etc.)
-	search on socio-economic impacts of LMOs	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	 Education and training Technical assistance and advice 	• Interest groups (consumer groups,
	Technical assistance and advice	farmers, NGOs, etc.)
Development of LMO traceability s	ystems	
Extent of implementation	Preferred means	Major target groups
Minimally addressed	 Funding support 	 Technical personnel / Scientists
	Education and training	 Customs officials
National system for inspection and	verification of documentation accompanying l	LMO shipments
Extent of implementation	Preferred means	Major target groups
 Partially addressed 	 Funding support 	 Customs officials
National system for managing and	protecting confidential information	
Extent of implementation	Preferred means	Major target groups
Adequately addressed	Technical assistance and advice	 IT, BCH and data / information managers Government regulators / administrators
Training in biosafety record keepir	ng and information security	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and trainingTechnical assistance and adviceGuidance / training materials	IT, BCH and data / information managers
Guidance on assessment risks of L	MOs to human health	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Funding supportEducation and trainingConferences and other fora	Interest groups (consumer groups, farmers, NGOs, etc.)
Regulatory framework for addressi	ng human health impacts of LMOs	
Extent of implementation	Preferred means	Major target groups
Partially addressed	Education and trainingConferences and other fora	General public