

*Annex*

**TEMPLATE FOR SUBMISSION OF INFORMATION ON THE STATUS OF IMPLEMENTATION OF THE FRAMEWORK AND ACTION PLAN FOR CAPACITY-BUILDING FOR THE EFFECTIVE IMPLEMENTATION OF THE CARTAGENA PROTOCOL ON BIOSAFETY**

**NOTE: Please enter text in column C, including a summary of the results of the activities undertaken, good practices and/or lessons learned, next to the relevant activity in column B, as appropriate. Please only write where relevant, leaving cells blank where no relevant activities were undertaken.**

<i>Focal area 1: National biosafety frameworks</i>		
<b>Operational objective 1</b>		
To further support the development and implementation of national regulatory and administrative systems.		
<b>Outcomes</b>		
<ul style="list-style-type: none"> <li>• National biosafety frameworks developed and implemented;</li> <li>• Functional national biosafety systems.</li> </ul>		
<b>A. Results/Outputs</b>	<b>B. Planned Activities</b>	<b>C. Summary of results of activities undertaken, good practices and lessons learned</b> [Enter text in column C, next to the relevant activity in column B, as appropriate]
(a) National biosafety policies, laws and regulations in place and being implemented (b) National institutions and administrative systems for handling LMO applications in place (c) Standard operating procedures for handling LMO applications in place	1.1 Development and implementation/enforcement of national biosafety policies and laws and the implementing regulations or guidelines	Not yet
	1.2 Development of a best practice guide on: (i) Implementation of national biosafety frameworks;	Not yet
	(ii) Enforcement of national biosafety laws and regulations;	Not yet
	(iii) Establishment and management of administrative systems; and	We have management administrative system.

<p>(d) Provisions made in the national annual budgets for operationalizing the national biosafety system</p> <p>(e) Trained staff in place to administer the national biosafety system</p> <p>(f) Biosafety is mainstreamed into broader development plans and sectoral policies and programmes, including the national biodiversity strategies and action plans</p>	(iv) Mainstreaming of biosafety into relevant policies/plans	Mainstreaming of biosafety in updating National Biodiversity and Action plan
	1.3 Development of training modules based on elements of the above guide	Not yet
	1.4 Organization of training of trainers workshops on the elements of the best practice guide responsible for administering the biosafety regulatory systems	Not yet
	1.5 Development and/or implementation of an electronic system for:	Just in BCH
	(i) handling of notifications and	
	(ii) registration of applications and approvals/decisions taken	Not yet
	1.6 Organization of training courses and on-the-job training programmes for personnel	Just training courses were organized for staff in BCH
<p><b>Focal area 2: Risk assessment and risk management</b></p> <p><b>Operational objective 2</b></p> <p>To enable Parties to evaluate, apply, share and carry out risk assessments and establish local science-based capacities to regulate, manage, monitor and control risks of living modified organisms (LMOs).</p>		
<p><b>Outcomes</b></p> <p>Resources, including human resources, and the administrative mechanisms required to assess risks of LMOs are available;</p> <p>Training materials and technical guidance on risk assessment and risk management developed and used by Parties;</p> <p>Infrastructure and administrative mechanisms established for the management of risks of LMOs at national, subregional or regional levels.</p>		
<b>A. Results/Outputs</b>	<b>B. Planned Activities</b>	<b>C. Summary of results of activities undertaken, good practices and lessons learned</b> [Enter text in column C, next to the relevant activity in column B, as appropriate]
(a) Parties have trained experts in fields relevant for risk assessment and risk	2.1 Establishment of institutional arrangements (e.g., technical and advisory committees or other arrangements) for conducting or reviewing risk	Not yet

management	assessments	
(b) Guidance on risk assessment and risk management of LMOs readily available and being used by Parties	2.2 Organization of training-of-trainers workshops on risk assessment and risk management	Not yet
(c) Local experts conducting risk assessments and/or risk assessment audits as part of decision-making regarding LMOs	2.3 Development of guidance documents on risk assessment and risk management	Yes, We did
(d) Parties submitting risk assessment summaries to the BCH	Development or strengthening of technical infrastructure for risk assessment and risk management	Not yet
(e) Baseline data on biodiversity relevant for risk assessment and risk management available	2.4 Conducting scientific biosafety research relating to LMOs	Not yet
(f) Parties have the necessary infrastructure for risk assessment and risk management	2.5 Review of existing data and/or conducting new research to acquire data on biodiversity for specific ecological areas (e.g., botanical files, consensus documents, national inventories, etc.) relevant to risk assessment and risk management	Yes, we did
(g) Parties using science-based risk assessment methods	2.6 Establishment and maintenance of user-friendly databases to facilitate easy access to data on biodiversity relevant for risk assessment and risk management	Not yet
(h) Parties have LMO monitoring programmes based on defined protection goals, risk hypotheses and relevant assessment endpoints	2.7 Development of LMO monitoring frameworks and programmes, including post-release monitoring of LMOs	Not yet
	2.8 Training of scientists, phytosanitary officers, inspectors and other relevant officials on LMO monitoring, enforcement and emergency response	Not yet

<p><b>Focal area 3: Handling, transport, packaging and identification</b></p> <p><b>Operational objective 3</b></p> <p>To develop capacity for handling, transport, packaging and identification of living modified organisms.</p>		
<p><b>Outcomes</b></p> <ul style="list-style-type: none"> <li>• Customs/border control officials and other officials are able to enforce the Protocol's requirements related to handling, transport, packaging and identification of LMOs;</li> <li>• Personnel are trained and equipped for sampling, detection and identification of LMOs.</li> </ul>		
<p><b>A. Results/Outputs</b></p>	<p><b>B. Planned Activities</b></p>	<p><b>C. Summary of results of activities undertaken, good practices and lessons learned</b></p> <p>[Enter text in column C, next to the relevant activity in column B, as appropriate]</p>
<p>(a) National systems for implementing the Protocol's requirements on the handling, transport, packaging and identification of LMOs in place and are operational</p> <p>(b) National systems, including standard operating procedures, for detection and identification of LMOs in place</p> <p>(c) Local experts able to detect and identify LMOs in shipments</p> <p>(d) Capacity for verification and certification of documentation accompanying LMO shipments at the points of entry in place</p> <p>(e) Certified LMO testing facilities established at</p>	<p>3.1 Establishment of national systems for implementing the Protocol's requirements on the handling, transport, packaging and identification of LMOs</p>	<p>Not yet</p>
	<p>3.2 Development of national systems to implement international rules and standards for sampling and detection of LMOs to facilitate mutual recognition of LMO identification results within and between countries</p>	<p>Not yet</p>
	<p>3.3 Establishment of mechanisms for auditing the efficacy of the national systems for handling, transport, packaging and identification of LMOs</p>	<p>Not yet</p>
	<p>3.4 Organization of national and (sub)regional training workshops on LMO documentation and identification requirements for customs and border control officials and other relevant stakeholders</p>	<p>Not yet</p>
	<p>3.5 Development of standardized forms and checklists on identification requirements for use in verification of the documentation accompanying LMO shipments</p>	<p>Not yet</p>

national and (sub)regional levels (f) Systems for traceability and labelling of LMOs in place (g) Regional and subregional networks of laboratories for LMO detection and identification established	3.6 Development of methodologies and protocols for sampling and detection of LMOs and/or adapting existing ones	Not yet
	3.7 Organization of trainings for local scientists and laboratory technicians in LMO detection and analysis	Not yet (Just sent some local specialist and scientist to International training courses of in LMO detection and analysis which organized in other countries )
	3.8 Establishment of infrastructure for detection and identification of LMOs, including accredited laboratories	Not yet
	3.9 Establishment of (sub)regional networks of laboratories for LMO detection	Not yet
<b><i>Focal area 4: Liability and redress</i></b> <b>Operational objective 4</b> To assist Parties to the Protocol to establish and apply rules and procedures on liability and redress for damage resulting from the transboundary movements of living modified organisms, in accordance with the Nagoya – Kuala Lumpur Supplementary Protocol on Liability and Redress.		
<b>Outcomes</b> <ul style="list-style-type: none"> <li>Institutional mechanisms or processes identified or established to facilitate the implementation of the Nagoya – Kuala Lumpur Supplementary Protocol on Liability and Redress.</li> </ul>		
<b>A. Results/Outputs</b>	<b>B. Planned Activities</b>	<b>C. Summary of results of activities undertaken, good practices and lessons learned</b> [Enter text in column C, next to the relevant activity in column B, as appropriate]
(a) Existing national policies, laws and administrative systems identified and used, and/or amended, to implement the Supplementary Protocol requirements (b) Guidance available and being used by competent	4.1 Analysis of existing national policies, laws and institutional mechanisms to determine how they address or could address the requirements of the Supplementary Protocol	Not yet
	4.2 Establishment of new, or amendment of existing, domestic legal and administrative frameworks to implement the requirements of the	Not yet

<p>authorities in the discharge of their responsibilities under the Supplementary Protocol</p> <p>(c) National capacity for determining appropriate response measures in the event of damage developed</p> <p>(d) User-friendly databases/ knowledge management systems in place and being used to establish baselines and to monitor the status of biodiversity</p> <p>(e) Financial and other support being provided by the GEF, bilateral and multilateral donors and relevant organizations for the ratification and implementation of the Supplementary Protocol</p> <p>(f) Best practices and lessons learned in the implementation of the Supplementary Protocol available through the BCH</p>	Supplementary Protocol	
	4.3 Development of guidance to assist competent authorities in discharging their responsibilities under the Supplementary Protocol	Not yet
	4.4 Organization of training activities to strengthen the scientific and technical capacity of the competent authorities to be able to evaluate damage, establish causal links and determine appropriate response measures	Not yet
	4.5 Establishment of databases and knowledge management systems to facilitate the establishment of baselines and monitoring of the status of biodiversity at genetic, species and ecosystem levels	Not yet
	4.6 Strengthening national capacity to provide for administrative or judicial review of decisions on response measures to be taken by the operator in accordance with Article 5.6 of the Supplementary Protocol	Not yet
	4.7 Compilation and exchange of information on experiences and lessons learned in the implementation of the Supplementary Protocol through the BCH	Not yet
	4.8 Mobilization of financial and other support for ratification and implementation of the Supplementary Protocol	Not yet

***Focal area 5: Public awareness, education and participation***

**Operative objective 5**

To enhance capacity at the national, regional and international levels that would facilitate efforts to raise public awareness, and promote education and participation concerning the safe transfer, handling and use of living modified organisms.

**Outcomes**

- Parties have access to guidance and training materials on public awareness, education and participation concerning the safe transfer, handling and use of LMOs;
- Parties are enabled to promote and facilitate public awareness, education and participation in biosafety.

<b>A. Results/Outputs</b>	<b>B. Planned Activities</b>	<b>C. Summary of results of activities undertaken, good practices and lessons learned</b> [Enter text in column C, next to the relevant activity in column B, as appropriate]
(a) Programmes for promoting public awareness are being implemented	5.1 Collection of information on legal frameworks and mechanisms put in place and actual experiences on public awareness, education and participation	Working on it
(b) Guidance materials and toolkits including methodologies and best practices for promoting public awareness, and promote education and participation in place and being used by Parties	5.2 Development and dissemination of training packages/online modules, guidance materials and other tools for different target groups	Not yet
(c) Improved mechanisms for public awareness, and promote education and participation	5.3 Organization of regional and national workshops on the implementation of the above guidance/toolkit in order to strengthen or establish national mechanisms for public awareness, education and participation, interlinking with complementary international agreements	Not yet
(d) Effective implementation of public awareness, and promote education and participation at national,	5.4 Organization of training-of-trainers workshops for biosafety educators, communicators and other government and non-government personnel at national and (sub)regional levels	Just training courses were organized in BCH
	5.5 Establishment of mechanisms to inform the public about existing opportunities and modalities for participation	Not yet

regional and international level	5.6 Establishment of national biosafety websites, searchable databases and national resource centres	<p><b>We have:</b></p> <ul style="list-style-type: none"> <li>National Biosafety website (currently suspended now because financial problems)</li> <li>National website for Plant Genetic Resources for Food and Agriculture - Ministry of Agriculture and Irrigation</li> <li>Agricultural Research Authority and Bank of Genetic Resources</li> </ul>
	5.7 Development and implementation of biosafety public-awareness programmes	Before, we have been implemented awareness programs, but have not been developed because of the current situation in Yemen
<p><b>Focal area 6: Information-sharing</b></p> <p><b>Operational objective 6</b></p> <p>To ensure that the BCH is easily accessed by all established stakeholders, in particular in developing countries and countries with economies in transition.</p>		
<p><b>Outcomes</b></p> <ul style="list-style-type: none"> <li>Increased access to information in the BCH and sharing of information through the BCH by users in developing countries and countries with economies in transition;</li> <li>Tools to facilitate implementation of the Protocol are easily accessible through the BCH;</li> <li>Information on the BCH is easily accessible to stakeholders, including the general public.</li> </ul>		
<b>A. Results/Outputs</b>	<b>B. Planned Activities</b>	<b>C. Summary of results of activities undertaken, good practices and lessons learned</b> [Enter text in column C, next to the relevant activity in column B, as appropriate]
(a) Parties able to register mandatory information in the BCH	6.1 Establishment/maintenance of national and regional infrastructure for accessing the BCH	Yes
(b) Parties, non-Parties and other stakeholders are able to post non-	6.2 Development of national and (sub)regional systems for gathering/managing information for submission to the BCH	Not yet



<p>mandatory information to the BCH</p> <p>(c) Improved coordination and sharing of experiences on the BCH at national, (sub)regional, and global levels</p> <p>(d) Increased awareness and capacity of relevant stakeholders and general public to access information through BCH</p> <p>(e) National systems set up to gather, manage and upload onto the BCH all the information required under the Protocol</p>	6.3 Creation of national websites using, as appropriate, AJAX and Hermes tools	Not yet
	6.4 Organization of BCH training for specific target groups, using the BCH Regional Advisors' network	
	6.5 Enhancement of cooperation between relevant international organizations on the further development and population of the BCH to maximize use of existing resources, experiences and expertise and to minimize duplication of activities	
	6.6 Organization of training for information management experts on the BCH and putting in place mechanisms to facilitate use of the BCH by various stakeholders	Yes, training courses were organized in BCH by various stakeholders by various stakeholders
	6.7 Establishment of mechanisms to enable countries to monitor the use of the BCH at the national level and to address gaps	Not yet
	6.8 Continuation of the BCH capacity-building projects at national and (sub)regional levels	
	6.9 Enhancement of the BCH coordination mechanism at the national level, including interministerial and interagency collaboration with relevant stakeholders	No continuation because the current difficult situation in Yemen

***Focal area 7: Biosafety education and training***

**Operational objective 7**

To promote education and training of biosafety professionals through greater coordination and collaboration among academic institutions and relevant organizations.

**Outcomes**

- A sustainable pool of biosafety professionals with various competencies available at national/ international levels;
- Improved biosafety education and training programmes;
- Increased exchange of information, training materials and staff and students among academic institutions and relevant organizations.

<b>A. Results/Outputs</b>	<b>B. Planned Activities</b>	<b>C. Summary of results of activities undertaken, good practices and lessons learned</b> [Enter text in column C, next to the appropriate activity in column B, if applicable]
(a) Improved identification of training needs and target audiences	7.1 Undertaking of periodic training needs assessments to ascertain the demand for biosafety education and training programme, and to identify target audiences	
(b) Information on the current situation with regard to existing biosafety-related education and training initiatives available	7.2 Development and/or strengthening of biosafety education and training programs at national and (sub)regional levels, including online and continuing education programs	Not yet
(c) Relevant documentation (including real-life dossiers and full risk assessment reports) made available for biosafety education and education purposes	7.3 Exchange of information on existing biosafety education and training courses and programmes through the BCH	Yes
	7.4 Integration of biosafety into the curricula of existing relevant academic programs and courses	Not yet
(d) Compilations of existing biosafety training and	7.5 Establishment of national and (sub)regional coordination mechanisms or networks for institutions involved in biosafety education and training to facilitate the sharing experiences and best practices	Not yet

<p>education initiatives and trainers are made available</p>	<p>7.6 Exchange of biosafety training and research materials among academic institutions</p>	<p>Not yet</p>
<p>(e) E-learning courses and other distance education and training programs on biosafety are available</p>	<p>7.7 Development of academic exchange and fellowship programs to facilitate the sharing of expertise, including through North-South and South-South cooperation</p>	<p>Not yet</p>
<p>(f) Scientific and professional conferences and workshops support exchange of information and experiences</p>	<p>7.8 Expansion and maintenance of the database in the BCH on existing biosafety training and education programmes/courses, academic staff/experts on relevant subjects and training materials.</p>	<p>Not yet</p>
<p>(g) Biosafety regulators continuously trained through on-the-job and off-the-job training programmes</p>	<p>7.9 Strengthening the capacity of existing universities, research institutes and centres of excellence to deliver biosafety education and training</p>	<p>Not yet</p>