

**SUBMISSION FROM THE PHILIPPINES (PARTY)**  
**FORM FOR THE SCIENTIFIC REVIEW OF THE**  
**GUIDANCE ON RISK ASSESSMENT OF LIVING MODIFIED ORGANISMS**

The Guidance for Risk Assessment of Living Modified Organisms (the “Guidance”) was developed through collaborative efforts between the Open-ended Online Expert Forum and the Ad Hoc Technical Expert Group (AHTEG) on Risk Assessment and Risk Management.\*

The aim of the Guidance is to further elaborate the methodology for risk assessment of living modified organisms (LMOs) in accordance with the Cartagena Protocol on Biosafety, and in particular in accordance with Annex III of the Protocol.

The Guidance is intended to be a “living document” that will be improved with time as new experience becomes available and new developments occur in the field of applications of LMOs, as and when mandated by the Parties to the Cartagena Protocol on Biosafety.

At the fifth meeting of the Conference of the Parties serving as the meeting of the Parties to the Protocol (COP-MOP), the Parties to the Protocol welcomed the first version of the Guidance and noted that it requires further scientific review and testing to establish its overall utility and applicability to living modified organisms of different taxa introduced into various environments.

The Executive Secretary was therefore requested to coordinate a review process of this first version of the Guidance among Parties and other Governments, through their technical and scientific experts, and relevant organizations.

The following questions are aimed at seeking views to assist the Open-ended Online Expert Forum and the AHTEG in revising the Guidance.

The completed review forms are to be mailed to the Secretariat at: [riskassessment.forum@cbd.int](mailto:riskassessment.forum@cbd.int) . Reviews from Parties and other Governments are to be submitted by their National Focal Points. Reviews from organizations are to be submitted through their head offices.

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\* Additional information on the development of the “Guidance on Risk Assessment of Living Modified Organisms” may be found in document UNEP/CBD/BS/COP-MOP/5/12 (see “Official Documents” at <http://www.cbd.int/doc/?meeting=MOP-05>).

**i. Reviewer's information**

Please select **only one** of options below

**This scientific review of the Guidance on Risk Assessment of Living Modified Organisms is being submitted on behalf of a:**

Party. Please specify: PHILIPPINES

Other Government. Please specify: <Country's name>

Organization: Please specify: NATIONAL COMMITTEE ON BIOSAFETY OF THE PHILIPPINES

**ii. Overall evaluation**

Please select **only one** answer for each section

**Q1. How do you evaluate the level of consistency of the following sections of the Guidance with the Cartagena Protocol on Biosafety, particularly with its Article 15 and Annex III?**

	Very poor	Poor	Neutral	Good	Very good
• Roadmap for risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified organisms with stacked genes or traits	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified crops with tolerance to abiotic stress	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified mosquitoes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Q2. How do you evaluate the usefulness of the following sections of the Guidance as tools for assisting countries in conducting and reviewing risk assessments of LMOs in a scientifically sound and case-by-case manner?**

	Very poor	Poor	Neutral	Good	Very good
• Roadmap for risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified organisms with stacked genes or traits	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified crops with tolerance to abiotic stress	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified mosquitoes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Q3. How do you evaluate the usefulness of the following sections of the Guidance as tools for assisting countries in conducting and reviewing risk assessments of LMOs introduced into various receiving environments?</b>					
	Very poor	Poor	Neutral	Good	Very good
• Roadmap for risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified organisms with stacked genes or traits	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified crops with tolerance to abiotic stress	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Risk assessment of living modified mosquitoes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

  

<b>Q4. How do you evaluate the usefulness of the "Roadmap" as a tool for assisting countries in conducting and reviewing risk assessments of LMOs of different taxa?</b>					
	Very poor	Poor	Neutral	Good	Very good
• Roadmap for risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ADDITIONAL COMMENTS ON THE OVERALL EVALUATION**

Please add any additional comment you may have regarding the overall evaluation of the first version of the "Guidance on Risk Assessment of Living Modified Organisms" below.

Q5. The AHTEG should come up with a guidance document that would be applicable to almost all LMOs; a document that will not require the creation of mini/sub documents for each specific type of LMOs.

**iii. Section-by-section review**

Please select **only one** of the boxes for each question

**PART I: THE ROADMAP FOR RISK ASSESSMENT**

**1. INTRODUCTION**

	<input type="checkbox"/> Yes
Q6. Are all the concepts in this section relevant and accurate from a scientific point of view?	<input checked="" type="checkbox"/> No. Please comment: The way the introduction is written attempts to precondition the user that there are inherent risks in LMOs. It likewise incorporates into the risk assessment other issues which are not necessary in the purview of risk assessment (must be neutral)>
Q7. Does this section include all the necessary relevant concepts?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. Please comment: Yes, however it also includes concepts that are not fully relevant or applicable to risk

assessment.>

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Q8. Are all the concepts in this section expressed in a language that could be easily understood by the target users?

Yes  
 No. Please comment: The concepts are not clearly defined and/or completely elucidated. It includes other unrelated issues which should not necessarily be in risk assessment like socio-economic considerations.

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## 2. THE RISK ASSESSMENT

**Step 1: “An identification of any novel genotypic and phenotypic characteristics associated with the living modified organism that may have adverse effects on biological diversity in the likely potential receiving environment, taking also into account risks to human health”**

Q9. Are all the concepts in this section relevant and accurate from a scientific point of view?

Yes  
 No. Please comment: Not all the concepts are properly applied. There are concepts which are irrelevant.

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Q10. Does this section include all the necessary relevant concepts?

Yes  
 No. Please comment: <Yes, but not all the concepts are properly applied >

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Q11. Are all the concepts in this section expressed in a language that could be easily understood by the target users?

Yes  
 No. Please comment: <Not all the concepts are properly applied. The risk assessment document requires information that are not necessary.>

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**Step 2: “An evaluation of the likelihood of adverse effects being realized, taking into account the level and kind of exposure of the likely potential receiving environment to the living modified organism”**

Q12. Are all the concepts in this section relevant and accurate from a scientific point of view?

Yes  
 No. Please comment: <Not all the concepts are properly applied.>

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Q13. Does this section include all the necessary relevant concepts?

Yes  
 No. Please comment: <Not all the concepts are relevant.>

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Q14. Are all the concepts in this section expressed in a language that could be easily understood by the target users?

Yes  
 No. Please comment: <Not all the concepts are expressed in a language that could be easily understood.>

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**Step 3: “An evaluation of the consequences should these adverse effects be realized”**

Q15. Are all the concepts in this section relevant and accurate from a scientific point of view?

Yes  
 No. Please comment: <Not all the concepts are accurate from a scientific point of view.>

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Q16. Does this section include all the necessary relevant concepts?

Yes  
 No. Please comment: <Yes, but not all concepts are relevant. >

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Q17. Are all the concepts in this section  
expressed in a language that could be easily  
understood by the target users?

Yes

No. Please comment: <Not all>

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**Step 4: “An estimation of the overall risk posed by the living modified organism based on the evaluation of the likelihood and consequences of the identified adverse effects being realized”**

Q18. Are all the concepts in this section relevant and accurate from a scientific point of view?  Yes  
 No. Please comment: <Not all>

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Q19. Does this section include all the necessary relevant concepts?  Yes  
 No. Please comment: <Not all>

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Q20. Are all the concepts in this section expressed in a language that could be easily understood by the target users?  Yes  
 No. Please comment: <Not all>

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**Step 5: “A recommendation as to whether or not the risks are acceptable or manageable, including, where necessary, identification of strategies to manage these risks”**

Q21. Are all the concepts in this section relevant and accurate from a scientific point of view?  Yes  
 No. Please comment: <Not all>

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Q22. Does this section include all the necessary relevant concepts?  Yes  
 No. Please comment: <Not all>

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Q23. Are all the concepts in this section expressed in a language that could be easily understood by the target users?  Yes  
 No. Please comment: <Not all>

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**3. RELATED ISSUES**

Q24. Does the “Related Issues” section include all relevant issues related to risk assessment and decision-making process but that are outside the scope of the Roadmap?  Yes  
 No. Please comment: <Not all>

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**4. FLOWCHART**

Q25. Does the flowchart provide an accurate graphic representation of the risk assessment process as described in the Roadmap?  Yes  
 No. Please comment: <The flowchart is very confusing thus resulting to indecision-making. It is likewise very complicated and open-ended. that one is unable to predict when the process will end.

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## PART II: SPECIFIC TYPES OF LMOs AND TRAITS

### A. RISK ASSESSMENT OF LIVING MODIFIED ORGANISMS WITH STACKED GENES OR TRAITS

Q26. Are all the concepts in this section relevant and accurate from a scientific point of view?  Yes  No. Please comment: <Not all>

Q27. Does this section include all the necessary relevant concepts?  Yes  No. Please comment: <Not all>

Q28. Are all the concepts in this section expressed in a language that could be easily understood by the target users?  Yes  No. Please comment: <Not all>

### B. RISK ASSESSMENT OF LIVING MODIFIED CROPS WITH TOLERANCE TO ABIOTIC STRESS

Q29. Are all the concepts in this section relevant and accurate from a scientific point of view?  Yes  No. Please comment: <Not all>

Q30. Does this section include all the necessary relevant concepts?  Yes  No. Please comment: <Not all>

Q31. Are all the concepts in this section expressed in a language that could be easily understood by the target users?  Yes  No. Please comment: <Not all>

### C. RISK ASSESSMENT OF LIVING MODIFIED MOSQUITOES

Q32. Are all the concepts in this section relevant and accurate from a scientific point of view?  Yes  No. Please comment: <Not all>

Q33. Does this section include all the necessary relevant concepts?  Yes  No. Please comment: <Not all>

Q34. Are all the concepts in this section expressed in a language that could be easily understood by the target users?  Yes  No. Please comment: <Not all>

## ADDITIONAL COMMENTS ON THE SECTION-BY-SECTION REVIEW

*Please add any additional comment you may have regarding particular sections of the first version of the "Guidance on Risk Assessment of Living Modified Organisms" below.*

Q35. <The Philippines, having had quite an extensive experience in doing risk assessment of LMOs, believe that the guidance document on risk assessment document can be a good starting document, however, it still needs significant/further improvements for it to be fully functional.>

