UN environment programme

CBD/CP/MOP/12/L.7

Convention on Biological Diversity

Distr.: Limited
22 October 2026

Original: English

Conference of the Parties to the Convention on Biological Diversity serving as the meeting of the Parties to the Cartagena Protocol on Biosafety
Twelfth meeting
Yerevan, 19–30 October 2026
Agenda item 14
Detection and identification of living modified organisms

Detection and identification of living modified organisms

Draft decision submitted by the Chair of Working Group II

The Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol,

Recalling its decisions CP-10/11 of 10 December 2022 and CP-11/8 of 30 October 2024,

Noting the progress reported by Parties in their fifth national reports in relation to the detection and identification of living modified organisms under the Cartagena Protocol on Biosafety,[1] and acknowledging the findings of the fifth assessment and review of the effectiveness of the Protocol,[2]

Noting also the challenges faced by many Parties in ensuring the sustainable operation, maintenance and continuous development of laboratory facilities involved in the detection and identification of living modified organisms and the significant differences in technical and institutional capacities that continue to exist among Parties,

Welcoming the improvements to the sampling, detection and identification portal of the Biosafety Clearing-House, including the publication of technical reference documents and other materials gathered in response to decision CP-11/8 to complement the *Training Manual on the Detection and Identification of Living Modified Organisms in the Context of the Cartagena Protocol on Biosafety* (Biosafety Technical Series No. 5),

1. *Invites* Parties, other Governments and relevant organizations to review and update, as appropriate, the information contained in the registry of laboratories available through the Biosafety Clearing-House and to nominate additional laboratories and experts to participate in the Network of Laboratories for the Detection and Identification of Living Modified Organisms;

2. *Encourages* Parties to support the establishment, revitalization and strengthening of regional networks of laboratories and partnerships to promote capacity-building and development, access to and transfer of technology and knowledge-sharing, and technical cooperation in the detection and identification of living modified organisms;

3. *Also encourages* Parties to develop long-term national strategies for the sustainable operation, maintenance and continuous development of laboratory facilities involved in the detection and identification of living modified organisms, including through institutional support and regional cooperation;

[1] United Nations, *Treaty Series*, vol. 2226, No. 30619.
[2] See CBD/SBI/7/6/Add.1.

4. *Invites* developed country Parties, Parties that voluntarily assume the obligations of developed country Parties, other Governments and international organizations to provide sustained, adequate and predictable financial resources, in particular for developing country Parties, especially the least developed countries and small island developing States among them, and countries with economies in transition to strengthen laboratory infrastructure, technical expertise and laboratory quality control systems, to support accreditation and to facilitate interlaboratory comparisons for the detection and identification of living modified organisms;

5. *Invites* Parties, other Governments and relevant organizations to submit information and share experiences on sampling methodologies and best practices related to the detection and identification of living modified organisms through the Biosafety Clearing-House;

6. *Encourages* Parties to strengthen their capability to detect and identify living modified organisms in order to facilitate the implementation of Articles 16, 17, 18 and 25 of the Cartagena Protocol on Biosafety;

7. *Also encourages* Parties, and invites other Governments and relevant organizations, as appropriate, to facilitate access to relevant information in order to support the traceability of living modified organisms, in accordance with national legislation and relevant international obligations;

8. *Decides* to update the chapter entitled "Novel technologies for LMO detection", which contains information on digital polymerase chain reaction, of the *Training Manual on the Detection and Identification of Living Modified Organisms in the Context of the Cartagena Protocol on Biosafety* (Biosafety Technical Series No. 5);

9. *Requests* the Subsidiary Body on Scientific, Technical and Technological Advice to review the draft updated chapter and make a recommendation for consideration by the Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol at its thirteenth meeting;

10. *Requests* the Executive Secretary:

(a) To draft the update to the chapter entitled "Novel technologies for LMO detection", which contains information on digital polymerase chain reaction, referred to in paragraph 8 above, in collaboration with the Network of Laboratories for the Detection and Identification of Living Modified Organisms;

(b) To convene online discussions of the Network of Laboratories for the Detection and Identification of Living Modified Organisms in order to facilitate the update and peer review of the chapter, for its subsequent consideration by the Subsidiary Body on Scientific, Technical and Technological Advice;

11. *Also requests* the Executive Secretary, subject to the availability of resources:

(a) To explore ways to strengthen the Network of Laboratories for the Detection and Identification of Living Modified Organisms, including by facilitating the visibility of regional and subregional laboratory networks and related collaborative initiatives and by encouraging the participation of additional laboratories and experts in the Network;

(b) To continue to improve the sampling, detection and identification portal of the Biosafety Clearing-House;[3]

(c) To compile the information and experiences on sampling methodologies and best practices related to the detection and identification of living modified organisms referred to in paragraph 5 above and to make them available through the sampling, detection and identification portal;

(d) To continue to collaborate with relevant organizations in order to provide practical and hands-on training on the detection and identification of living modified organisms to laboratory

[3] https://bch.cbd.int/en/portals/detection.

personnel and to customs and border-control officials, among others, and as appropriate, including on relevant and applicable emerging techniques and quality assurance systems, in line with national needs and priorities, in order to contribute to the achievement of Goal A.8 of the capacity-building action plan for the Cartagena Protocol;[4]

(e) To continue to collect information, technical resources and scientific publications relevant to the detection and identification of living modified organisms in various languages and to make them available through the Biosafety Clearing-House.

[4] Decision CP-10/4, annex.