Biosafety Clearing-House (BCH)

FOURTH NATIONAL REPORT ON THE IMPLEMENTATION OF THE CARTAGENA PROTOCOL ON BIOSAFETY (NR4)

General Information

PUBLISHED: 30 OCT 2019

Country

Bosnia and Herzegovina

PARTY TO THE CARTAGENA PROTOCOL ON BIOSAFETY **ENTRY INTO FORCE: 30 DEC 2009**

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9. Organizations/stakeholders who were consulted or participated in the preparation of this report

Food Safety Agency of Bosnia and Herzegovina in collaboration with local biosafety experts	EN

10. Time period covered by this report

From

01 Nov 2015

To

25 Sep 2019

Party to the Cartagena Protocol on Biosafety

11. Is your country a Party to the Cartagena Protocol on Biosafety (CPB)?

Yes EN

Article 2 – General provisions

Article 2 requires each Party to take the necessary and appropriate legal, administrative and other measures to implement its obligations under the Protocol

14. Has your country introduced the necessary national measures for the implementation of the Protocol?

National measures are partially in place EN

15. Which specific instruments are in place for the implementation of national biosafety measures? (select all that apply)

One or more national biosafety laws
One or more national biosafety regulations
One or more sets of biosafety guidelines
Other laws, regulations or guidelines that indirectly apply to biosafety

16. Has your country undertaken initiatives to mainstream biosafety into national biodiversity strategies and action plans, other policies, or legislation?

Yes EN

Additional Information

In Bosnia and Herzegovina is a field of genetically modified organisms is regulated by the Law on Genetically Modified Organisms (“The Official Gazette of BiH” No. 23/09) EN

17. Has your country established a mechanism for budget allocations for the operation of its national biosafety measures?

No EN

18. Does your country have permanent staff to administer functions directly related to biosafety?

Yes EN

19. If you answered *Yes* to question 18, how many permanent staff members are in place whose functions are directly related to biosafety ?

5 to 9 EN

Is this number adequate

20. Here you may provide further details on the implementation of Article 2 in your country

Law on food (Official Gazette of B&H, No. 50/04) partially adresses GMOs and adopted Law on GMO (Official Gazette of BiH, No. 23/09) and 7 approporiate GMOs Rulebooks EN

Article 5 - Pharmaceuticals

21. Does your country regulate the transboundary movement, handling or use of living modified organisms (LMOs) which are pharmaceuticals to humans?

Yes, to some extent EN

22. Here you may provide further details on the implementation of Article 5 in your country

Law on GMO (Official Gazette of BiH, No. 23/09) applies to GMO pharmaceuticals that are not adressed by other national legislation EN

Article 6 – Transit and Contained use

23. Does your country regulate the transit of LMOs?

Yes, to some extent EN

24. Does your country regulate the contained use of LMOs?

Yes EN

25. Has your country taken a decision concerning the import of LMOs for contained use?

No EN

26. Here you may provide further details on the implementation of Article 6 in your country

Law on GMO (Official Gazette of BiH, No. 23/09) and GMOs Rulebook regulations adopted administrative procedures for transit and contained use EN

Articles 7 to 10 – Advance Informed Agreement (AIA) and intentional introduction of LMOs into the environment

27. Has your country established legal requirements for exporters under its jurisdiction to notify in writing the competent national authority of the Party of import prior to the intentional transboundary movement of an LMO that falls within the scope of the AIA procedure?

No EN

28. When acting as the Party of export, has your country established legal requirements for the accuracy of information contained in the notification provided by the exporter?

No EN

29. In the current reporting period, has your country received a notification regarding intentional transboundary movements of LMOs for intentional introduction into the environment?

No EN

30. If you answered *Yes* to question 29, did the notification(s) contain complete information (at a minimum the information specified in Annex I to the Cartagena Protocol on Biosafety)?

31. If you answered *Yes* to question 29, has your country acknowledged receipt of the notification(s) to the notifier within ninety days of receipt?

32. If you answered *Yes* to question 29, has your country informed of its decision(s)

a. The notifier?

b. The Biosafety Clearing-House (BCH)?

33. In the current reporting period, has your country taken a decision in response to the notification(s) regarding intentional transboundary movements of LMOs for intentional introduction into the environment?

No EN

34. If you answered *Yes* to question 33, how many LMOs has your country approved for import for intentional introduction into the environment?

35. If you answered *under question 34* that *LMOs were approved*, have all these LMOs actually been

imported into your country?

36. If you answered *Yes* to question 33, what percentage of your country's decisions fall into the following categories? (select all that apply)

37. If you answered *under question 36* that your country has taken a decision to *approve the import with conditions* or to *prohibit the import*, were the reasons provided?

38. Here you may provide further details on the implementation of Articles 7 to 10 in your country, including measures in case of lack of scientific certainty on potential adverse effects of LMOs for intentional introduction to the environment

Law on GMO (Official Gazette of BiH, No. 23/09) partially regulates this area, but approporiate sub-law regulations thet will adress issues covered by Articles 7-10 are still in preparation	EN

Article 11 – Procedure for living modified organisms intended for direct use as food or feed, or for processing (LMOs-FFP)

39. Does your country have law(s), regulation(s) or administrative measures for decision-making regarding domestic use, including placing on the market, of LMOs that may be subject to transboundary movement for direct use as food or feed, or for processing?

Yes	EN

40. Has your country established legal requirements for the accuracy of information to be provided by the applicant regarding the domestic use, including placing on the market, of LMOs that may be subject to transboundary movement for direct use as food or feed, or for processing?

Yes, to some extent	EN

Additional Information

Yes, but to some extent. Law on GMO (Official Gazette of BiH, No. 23/09) and Rulebook GMOs stipulates a checklist of requested information that should be provided in the notification	EN

41. In the current reporting period, how many decisions has your country taken regarding domestic use, including placing on the market, of LMOs that may be subject to transboundary movement for direct use as food or feed, or for processing?

None	EN

42. Does your country have law(s), regulation(s) or administrative measures for decision-making

regarding the import of LMOs for direct use as food or feed, or for processing?

Yes	EN

43. In the current reporting period, how many decisions has your country taken regarding the import of LMOs for direct use as food or feed, or for processing?

10 or more	EN

44. Here you may provide further details on the implementation of Article 11 in your country, including measures in case of lack of scientific certainty on potential adverse effects of LMOs that may be subject to transboundary movement for direct use as food or feed, or for processing

In the reporting period in Bosnia and Herzegovina was 35 of the decisions taken by the Food Safety Agency of BiH with the positive opinions of the GMO Council the to allow the import of GM soybean intended to be used as feed: MON 40-3-2 (MON-Ø4Ø32-6)	EN

Article 12 – Review of decision

45. Has your country established a mechanism for the review and change of a decision regarding an intentional transboundary movement of LMOs?

No	EN

46. In the current reporting period, has your country reviewed and/or changed a decision regarding an intentional transboundary movement of an LMO?

No	EN

47. If you answered *Yes* to question 46, how many decisions were reviewed and/or changed?

48. If you answered *Yes* to question 46, were any of the reviews triggered by a request from the Party of export or the notifier?

49. If you answered *Yes* to question 48, did your country provide a response within ninety days setting out the reasons for the decision?

50. If you answered *Yes* to question 46, were any of the reviews initiated by your country as the Party of import?

51. If you answered *Yes* to question 50, did your country, within thirty days, set out the reasons for the

decision and inform

a. The notifier

b. The BCH?

52. Here you may provide further details on the implementation of Article 12 in your country

Law on GMO (Official Gazette of BiH, No. 23/09) partially regulates this area, but approporiate sub-law regulations thet will adress issues covered by Article 12	EN

Article 13 – Simplified procedure

53. Has your country established a mechanism for the application of the simplified procedure regarding an intentional transboundary movement of LMOs?

Yes, to some extent	EN

Additional Information

The existent simplified procedure is applicable for GMOs -FFP that have been previously approved in the EU countries before the intention to introduce in Bosnia and Herzegovina	EN

54. In the current reporting period, has your country applied the simplified procedure?

No	EN

55. If you answered *Yes* to question 54, for how many LMOs has your country applied the simplified procedure?

56. If you answered *Yes* to question 54, has your country informed the Parties through the BCH of the cases where the simplified procedure was applied?

57. Here you may provide further details on the implementation of Article 13 in your country

The mentioned decisions for one soybean event MON 40-3-2 (MON-Ø4Ø32-6) has been taken according the simplified procedures	EN

Article 14 – Bilateral, regional and multilateral agreements and arrangements

58. How many bilateral, regional or multilateral agreements or arrangements relevant to biosafety has your country established with other Parties/non-Parties?

1 to 4 EN

59. If you answered *under question 58* that *agreements or arrangements were established*, please provide a brief description of their scope and objective

60. Here you may provide further details on the implementation of Article 14 in your country

The Protocol on Cooperation for Development authorized testing laboratory for GMOs in Bosnia and Herzegovina between the Food Safety Agency of BiH and Istituto Zooprofilattico Sperimentale, Reference Laboratory for GMOs, Rome, Italy, which serves as a reference laboratory for Bosnia and Herzegovina EN

Articles 15 & 16 – Risk Assessment and Risk Management

61. Does the domestic regulatory framework of your country require risk assessments of LMOs to be conducted?

Yes EN

62. If you answered *Yes* to question 61, with regard to which LMOs does the requirement apply (select all that apply)?

- For imports of LMOs for intentional introduction into the environment
- For imports of LMOs intended for direct use as food or feed, or for processing
- For decisions regarding domestic use, including placing on the market, of LMOs that may be subject to transboundary movements for direct use as food or feed, or for processing
- For imports of LMOs for contained use

63. Has your country established a mechanism to conduct risk assessments prior to taking decisions regarding LMOs?

Yes, to some extent EN

Additional Information

The Law on GMO and GMOs Rulebook imply the risk assessment as the obligatory procedure that has to be a component part of decision making. The notifications applied are requested to involve the document of risk assessment to be submitted to the CA EN

64. If you answered *Yes* to question 63, does the mechanism include procedures to identify and/or train national experts to conduct risk assessments?

Capacity-building in risk assessment or risk management

65. How many people in your country have been trained in risk assessment, risk management and monitoring of LMOs?

a. Risk assessment

1 to 9 EN

Is this number adequate

b. Risk management

1 to 9 EN

Is this number adequate

c. Monitoring

1 to 9 EN

Is this number adequate

66. Is your country using training material and/or technical guidance for training in risk assessment and risk management of LMOs?

No EN

67. If you answered *Yes* to question 66, is your country using the “Manual on Risk Assessment of LMOs” (developed by the CBD Secretariat) for training in risk assessment?

68. If you answered *Yes* to question 66, is your country using the “Guidance on Risk Assessment of LMOs” (developed by the Online Forum and the AHTEG on Risk Assessment and Risk Management) for training in risk assessment?

69. Does your country have specific needs for further guidance on specific topics of risk assessment of LMOs?

Yes EN

70. Does your country have the capacity to detect, identify, assess the risk of and/or monitor living modified organisms or specific traits that may have adverse effects on the conservation and sustainable use of biological diversity, taking into account risks to human health?

a. Detect

Yes EN

b. Identify

No EN

c. Assess the risk

No EN

d. Monitor

No EN

Conducting risk assessment or risk management

71. Has your country adopted or used any guidance documents for the purpose of conducting risk assessment or risk management, or for evaluating risk assessment reports submitted by notifiers?

a. Risk assessment

Yes EN

b. Risk management

Yes EN

72. If you answered *Yes* to question 71, is your country using the “Guidance on Risk Assessment of LMOs” (developed by the Online Forum and the AHTEG on Risk Assessment and Risk Management) for conducting risk assessment or risk management, or for evaluating risk assessment reports submitted by notifiers?

No EN

73. Has your country adopted common approaches or methodologies to risk assessment in coordination with other countries?

Yes EN

74. Has your country cooperated with other Parties with a view to identifying LMOs or specific traits that may have adverse effects on the conservation and sustainable use of biological diversity?

No EN

75. In the current reporting period, has your country conducted any kind of risk assessment of LMOs, including for contained use, field trials, commercial purposes, direct use as food, feed, or for processing?

No EN

76. If you answered *Yes* to question 75, how many risk assessments were conducted?

77. If you answered *Yes* to question 75, please indicate the scope of the risk assessments (select all that apply)

78. If you answered *Yes* to question 75, were risk assessments conducted for all decisions taken on LMOs for intentional introduction into the environment or on domestic use of LMOs that may be subject to transboundary movement for direct use as food or feed, or for processing?

79. Has your country established appropriate mechanisms, measures and strategies to regulate and manage risks identified in the risk assessment of LMOs?

No EN

80. Has your country taken appropriate measures to prevent unintentional transboundary movements of LMOs, including such measures as requiring a risk assessment to be carried out prior to the first release of a LMO?

No EN

81. Has your country taken measures to ensure that any LMO, whether imported or locally developed, undergoes an appropriate period of observation that is commensurate with its life-cycle or generation time before it is put to its intended use?

No | EN

82. Has your country established a mechanism for monitoring potential effects of LMOs released into the environment?

Yes, to some extent | EN

Additional Information

Adopted Rulebook on the terms of the plan for monitoring the impact of genetically modified organisms or products containing and / or consisting of or originating from genetically modified organisms and their use | EN

83. Does your country have the necessary infrastructure (e.g. laboratory facilities) for monitoring or managing LMOs?

Yes | EN

84. Here you may provide further details on the implementation of Articles 15 and 16 in your country

BiH has limited existent capacities to provide risk assessment, management and monitoring of LMOs and assessment of possible risks and effects on the conservation and sustainable use of biological diversity, taking into account risks to human health | EN

Article 17 – Unintentional transboundary movements[2] and emergency measures

[2] In accordance with the operational definition adopted in decision CP-VIII/16, "'Unintentional transboundary movement' is a transboundary movement of a living modified organism that has inadvertently crossed the national borders of a Party where the living modified organism was released, and the requirements of Article 17 of the Protocol apply to such transboundary movements only if the living modified organism involved is likely to have significant adverse effects on the conservation and sustainable use of biological diversity, taking also into account risks to human health, in the affected or potentially affected States."

85. Has your country established measures to notify affected or potentially affected States, the Biosafety Clearing-House and, where appropriate, relevant international organizations in case of a release under its jurisdiction that leads, or may lead, to an unintentional transboundary movement?

No | EN

86. In the current reporting period, how many releases of LMOs occurred under your country's jurisdiction that led, or may have led, to an unintentional transboundary movement?

None | EN

87. If you answered *under question 86* that a *release occurred*, has your country notified affected or potentially affected States, the Biosafety Clearing-House and, where appropriate, relevant international organizations?

88. Does your country have the capacity to take appropriate response measures in response to unintentional transboundary movements?

No EN

89. In the current reporting period, how many times has your country become aware of an unintentional transboundary movement into its territory?

None EN

90. Here you may provide further details on the implementation of Article 17 in your country

The Law on GMO (Official Gazette of BiH, No. 23/09) provides for measures to prevent unintentional transboundary movement of GMOs and appropriate responses, including emergency measures EN

Article 18 – Handling, transport, packaging and identification

91. Has your country taken measures to require that *LMOs that are subject to transboundary movement* are handled, packaged and transported under conditions of safety, taking into account relevant international rules and standards?

Yes EN

92. Has your country taken measures to require that documentation accompanying LMOs-FFP, *in cases where the identity of the LMOs is not known*, clearly identifies that they *may contain LMOs* and are not intended for intentional introduction into the environment, as well as a contact point for further information?

Yes EN

93. Has your country taken measures to require that documentation accompanying LMOs-FFP, *in cases where the identity of the LMOs is known*, clearly identifies that they *contain LMOs* and are not intended for intentional introduction into the environment, as well as a contact point for further information?

Yes EN

94. If you answered *Yes* to question(s) 91, 92 and/or 93, what type of documentation accompanying LMOs

does your country require?

Other EN

Additional Information

Decision of approval issued by the competent authority in Bosnia and Herzegovina EN

95. Has your country taken measures to require that documentation accompanying *LMOs that are destined for contained use clearly identifies* them as *LMOs* and specifies any requirements for the safe handling, storage, transport and use, the contact point for further information, including the name and address of the individual and institution to whom the LMO are consigned?

Yes EN

96. If you answered *Yes* to question 95, what type of documentation does your country require for the identification of LMOs that are destined for contained use?

Other EN

Additional Information

Decision of approval issued by the competent authority in Bosnia and Herzegovina EN

97. Has your country taken measures to require that documentation accompanying *LMOs that are intended for intentional introduction into the environment of the Party of import* clearly identifies them as *living modified organisms*; specifies the identity and relevant traits and/or characteristics, any requirements for the safe handling, storage, transport and use, the contact point for further information and, as appropriate, the name and address of the importer and exporter; and contains a declaration that the movement is in conformity with the requirements of this Protocol applicable to the exporter?

Yes EN

98. If you answered *Yes* to question 97, what type of documentation does your country require for the identification of LMOs that are intended for intentional introduction into the environment?

Other EN

Additional Information

Decision of approval issued by the competent authority in Bosnia and Herzegovina EN

99. Does your country have available any guidance for the purpose of ensuring the safe handling,

transport, and packaging of living modified organisms?

No EN

100. Does your country have the capacity to enforce the requirements of identification and documentation of LMOs?

No EN

101. How many customs officers in your country have received training in the identification of LMOs?

None EN

Is this number adequate

102. Has your country established procedures for the sampling and detection of LMOs?

Yes EN

103. How many laboratory personnel in your country have received training in detection of LMOs?

1 to 9 EN

Is this number adequate

104. Does your country have reliable access to laboratory facilities for the detection of LMOs?

Yes EN

105. How many laboratories in your country are certified for LMO detection?

1 to 4 EN

106. If you answered *under question 105* that *certified laboratories exist in your country*, how many of them are currently operating in the detection of LMOs?

1 to 4 EN

107. Here you may provide further details on the implementation of Article 18 in your country

There are currently two accredited GMO laboratories in BiH for control GMO in food and feed EN

Article 19 – Competent National Authorities and National Focal Points

108. In case your country has designated more than one competent national authority, has your country established a mechanism for the coordination of their actions prior to taking decisions regarding LMOs?

Yes	EN

109. Has your country established adequate institutional capacity to enable the competent national authority(ies) to perform the administrative functions required by the Cartagena Protocol on Biosafety?

Yes, to some extent	EN

Additional Information

Food Safety Agency of BiH is the central and coordinating body for the field of GMOs in BiH. The Council of GMO is in charge to provide consultative scientific advisory and expertise to the NCA	EN

110. Has your country undertaken initiatives to strengthen collaboration among national focal points, competent national authority(ies) and other institutions on biosafety-related matters?

No	EN

111. Here you may provide further details on the implementation of Article 19 in your country

[Focal Point in BiH for Secretariat is Federal Ministry for Tourism and Environment appointed by the Council of Ministers BiH. The Food Safety Agency of BiH in compliance with the Law on GMOs (Official Gazette of BiH, No. 23/09) is the central and coordinating body for the field of GMOs in BiH and the National Contact Point of the Cartagena Protocol in BiH. According to GMO Law competent national authorities also include following govermental bodies: Veterinary Office of Bosnia and Herzegovina, Plant Health Protection Directorate of Bosnia and Herzegovina as well as entity, cantonal and Brcko District authorities responsible for agriculture, forestry and water management, authorities responsible for health and authorities responsible for environmental protection.	EN

Article 20 – Information Sharing and the Biosafety Clearing-House (BCH)

112. Please provide an overview of the status of the mandatory information provided by your country to the BCH by specifying for each category of information whether it is available and whether it has been submitted to the BCH.

a. Existing legislation, regulations and guidelines for implementing the Protocol, as well as information required by Parties for the advance informed agreement procedure (Article 20, paragraph 3 (a))

Information available but only partially available in the BCH | EN

b. Legislation, regulations and guidelines applicable to the import of LMOs intended for direct use as food or feed, or for processing (Article 11, paragraph 5)

Information available but only partially available in the BCH | EN

c. Bilateral, multilateral and regional agreements and arrangements (Articles 14, paragraph 2 and 20, paragraph 3 (b))

Information not available | EN

d. Contact details for competent national authorities (Article 19, paragraphs 2 and 3), national focal points (Article 19, paragraphs 1 and 3), and emergency contacts (Article 17, paragraph 3 (e))

Information available but only partially available in the BCH | EN

e. Decisions by a Party regarding transit of LMOs (Article 6, paragraph 1)

Information not available | EN

f. Decisions by a Party regarding import of LMOs for contained use (Article 6, paragraph 2)

Information not available | EN

g. Notifications regarding the release under your country’s jurisdiction that leads, or may lead, to an unintentional transboundary movement of a LMO that is likely to have significant adverse effects on biological diversity (Article 17, paragraph 1)

Information not available | EN

h. Information concerning cases of illegal transboundary movements of LMOs (Article 25, paragraph 3)

Information not available | EN

i. Decisions regarding the importation of LMOs for intentional introduction into the environment (Article 10, paragraph 3)

Information not available | EN

j. Information on the application of domestic regulations to specific imports of LMOs (Article 14, paragraph 4)

Information not available | EN

k. Decisions regarding the domestic use of LMOs that may be subject to transboundary movement for direct use as food or feed, or for processing (Article 11, paragraph 1)

Information not available | EN

l. Decisions regarding the import of LMOs intended for direct use as food or feed, or for processing that are taken under domestic regulatory frameworks (Article 11, paragraph 4) or in accordance with Annex III to the Protocol (Article 11, paragraph 6)

Information not available | EN

m. Declarations regarding the framework to be used for LMOs intended for direct use as food or feed, or for processing (Article 11, paragraph 6)

Information not available | EN

n. Review and change of decisions regarding intentional transboundary movements of LMOs (Article 12, paragraph 1)

Information not available | EN

o. Cases where intentional transboundary movement may take place at the same time as the movement is notified to the Party of import (Article 13, paragraph 1 (a))

Information not available | EN

p. LMOs granted exemption status by each Party (Article 13, paragraph 1 (b))

Information not available | EN

q. Summaries of risk assessments or environmental reviews of LMOs generated by regulatory processes and relevant information regarding products thereof (Article 20, paragraph 3 (c))

Information not available | EN

113. Please provide a brief explanation if you answered that the information is available *but not in the BCH or only partially available in the BCH* to any item under question 112

The area of GMOs in Bosnia and Herzegovina is published and available on the website www.fsa.gov.ba EN

114. Has your country established a mechanism for strengthening the capacity of the BCH National Focal Point to perform its administrative functions?

No EN

115. Has your country established a mechanism for the coordination among the BCH National Focal Point, the Cartagena Protocol focal point, and the competent national authority(ies) for making information available to the BCH?

No EN

116. Does your country use the information available in the BCH in its decision making processes on LMOs?

No EN

117. Has your country experienced difficulties accessing or using the BCH?

No EN

118. In the current reporting period, how many biosafety-related events (e.g. seminars, workshops, press conferences, educational events) has your country organized?

1 to 4 EN

119. In the current reporting period, how many biosafety-related publications has your country published?

1 to 9 EN

120. Here you may provide further details on the implementation of Article 20 in your country

BCH NFP and CPB NFP are the same person, there is no specific coordination mechanism except with the Cartagena protocol NFP. During this reporting period, the Food Safety Agency of BiH in collaboration with the members of the GMO Council, publishes the publication "GENETICALLY CHANGED ORGANISMS - TEACHING SITUATIONS AND FUTURE PROSPECTS -" which is published and available in national libraries and on the website www.fsa.gov.ba. In addition, EN

biosecurity events such as press conferences, roundtables and public hearings were held to share relevant biosecurity information, raise awareness and encourage broader public participation

Article 21 – Confidential information

121. Has your country established procedures to protect confidential information received under the Protocol?

Yes EN

122. Does your country allow the notifier to identify information that is to be treated as confidential?

Yes, always EN

123. Here you may provide further details on the implementation of Article 21 in your country

The Law on GMO (Official Gazette of BiH, No. 23/09) limits types of information that can be identified as confidetial and request reasons for identifying some parts of received information as confidential EN

Article 22 – Capacity-building

124. Does your country have predictable and reliable funding for building capacity for the effective implementation of the Protocol?

No EN

125. Has your country received external support or benefited from collaborative activities with other Parties in the development and/or strengthening of human resources and institutional capacities in biosafety?

Yes EN

126. If you answered *Yes* to question 125, how were these resources made available? (select all that apply)

- Bilateral channels

127. Has your country provided support to other Parties in the development and/or strengthening of human resources and institutional capacities in biosafety?

No EN

128. If you answered *Yes* to question 127, how were these resources made available? (select all that apply)

129. In the reporting period, has your country initiated a process to access funds from the Global Environment Facility (GEF) for building capacity in biosafety?

Yes EN

Additional Information

Implementation of national activities under the UNEP-GEF Project for "Sustainable Capacity Building for Effective Participation in the Biosafety Clearing House (BCHIII)" EN

130. If you answered *Yes* to question 129, how would you characterize the process?

Average EN

131. In the current reporting period, has your country undertaken activities for the development and/or strengthening of human resources and institutional capacities in biosafety?

Yes EN

132. If you answered *Yes* to question 131, in which of the following areas were these activities undertaken (select all that apply)?

- Institutional capacity and human resources
- Integration of biosafety in cross-sectoral and sectoral legislation, policies and institutions (mainstreaming biosafety)
- Risk assessment and other scientific and technical expertise
- Public awareness, participation and education in biosafety
- Identification of LMOs, including their detection

133. In the current reporting period, has your country carried out a capacity-building needs assessment?

Yes EN

134. Does your country still have capacity-building needs?

Yes EN

135. If you answered *Yes* to question 134, which of the following areas still need capacity-building (select all that apply)?

Institutional capacity and human resources
Integration of biosafety in cross-sectoral and sectoral legislation, policies and institutions (mainstreaming biosafety)
Risk assessment and other scientific and technical expertise
Risk management
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
Sampling, detection and identification of LMOs
Socio-economic considerations
Implementation of the documentation requirements for handling, transport, packaging and identification
Handling of confidential information
Measures to address unintentional and/or illegal transboundary movements of LMOs

136. Has your country developed a capacity-building strategy or action plan?

No	EN

137. Does your country have in place a functional national mechanism for coordinating biosafety capacity-building initiatives?

No	EN

138. Here you may provide further details on the implementation of Article 22 in your country, including further details about your experience in accessing GEF funds

Bosnia and Herzegovina will need different types of technical and material help and cooperation for building its own capacities. Implementation of Article 22 has a very broad scope and Bosnia and Herzegovina have a lot of capacity building needs. Implementation requires continuous efforts and financial means that Bosnia and Herzegovina usually do not have available at the national level	EN

Article 23 – Public awareness and participation

139. Is biosafety public awareness, education and/or participation addressed in legislation or policy in your country?

No EN

140. In the current reporting period, has your country cooperated with other States and international bodies in relation to public awareness, education and participation?

No EN

141. Has your country established a mechanism to ensure public access to information on LMOs?

Yes, to some extent EN

Additional Information

The area of GMOs in Bosnia and Herzegovina is published and available on the website www.fsa.gov.ba EN

142. Does your country have in place a national communication strategy on biosafety?

No EN

143. Does your country have any awareness and outreach programmes on biosafety?

No EN

144. Does your country currently have a national biosafety website?

No EN

145. How many academic institutions in your country are offering biosafety education and training courses and programmes?

1 to 4 EN

Is this number adequate

146. How many educational materials and/or online modules on biosafety are available and accessible to the public in your country?

1 to 4 EN

Is this number adequate

147. Has your country established a mechanism to consult the public in the decision-making process regarding LMOs?

Yes, to some extent | EN

148. Has your country informed the public about existing modalities for public participation in the decision-making process regarding LMOs?

Yes, to some extent | EN

149. If you answered *Yes* to question 148, please indicate the modalities used to inform the public: (select all that apply)

150. In the current reporting period, how many times has your country consulted the public in the decision-making process regarding LMOs?

1 to 4 | EN

151. Has your country informed the public about the means to access the Biosafety Clearing-House?

No | EN

152. Here you may provide further details on the implementation of Article 23 in your country

Article 23 is implemented in Law on GMO (Official Gazette of BiH, No. 23/09) but exact mechanisms are yet to be developed. The Food Safety Agency of BiH and Council for GMO has consulted the public during the decision making process for one GMOs soybean notifications for FFP and the development of regulations related to GMOs | EN

Article 24 – Non-Parties

153. Has your country entered into any bilateral, regional, or multilateral agreement with non-Parties regarding transboundary movements of LMOs?

No | EN

154. In the current reporting period, has your country imported LMOs from a non-Party?

No | EN

155. In the current reporting period, has your country exported LMOs to a non-Party?

No EN

156. If you answered *Yes* to question 154 and/or 155, were the transboundary movements of LMOs consistent with the objective of the Cartagena Protocol on Biosafety?

157. Here you may provide further details on the implementation of Article 24 in your country

Article 25 – Illegal transboundary movements[3]

[3] In accordance with the operational definition adopted in decision CP VIII/16, "'Illegal transboundary movement' is a transboundary movement of living modified organisms carried out in contravention of the domestic measures to implement the Protocol that have been adopted by the Party concerned".

158. Has your country adopted domestic measures aimed at preventing and/or penalizing transboundary movements of LMOs carried out in contravention of its domestic measures to implement the Cartagena Protocol?

Yes EN

159. In the current reporting period, how many cases of illegal transboundary movements of LMOs has your country become aware of?

None EN

160. If you indicated *under question 159* that *your country became aware of cases of illegal transboundary movements*, has the origin of the LMO(s) been established?

161. Here you may provide further details on the implementation of Article 25 in your country

Penalties for illegal teransboundary movements are adressed in article 64. Law of GMO (Official Gazette of BiH, No. 23/09) EN

Article 26 – Socio-economic considerations

162. Does your country have any specific approaches or requirements that facilitate how socioeconomic considerations should be taken into account in LMO decision-making?

Yes EN

163. In the current reporting period, have socioeconomic considerations arising from the impact of LMOs been taken into account in decision-making?

Yes, always EN

164. How many peer-reviewed published materials has your country used for the purpose of elaborating or determining national actions with regard to socioeconomic considerations?

None EN

Is this number adequate

165. Has your country cooperated with other Parties on research and information exchange on any socioeconomic impacts of LMOs?

No EN

166. Here you may provide further details on the implementation of Article 26 in your country

Article 28 – Financial Mechanism and Resources

167. In the current reporting period, how much funding (in the equivalent of US dollars) has your country mobilized to support implementation of the Cartagena Protocol beyond the regular national budgetary allocation?

5,000 to 49,999 USD EN

Article 33 – Monitoring and reporting

Article 33 requires Parties to monitor the implementation of its obligations under the Cartagena Protocol and to report to the Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol on measures taken to implement the Protocol

168. Does your country have in place a system to monitor and enforce the implementation of the Cartagena Protocol?

No EN

Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress

Parties to the Cartagena Protocol that are not yet Party to the Supplementary Protocol are also invited to respond to the questions below

169. Is your country a Party to the Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress?

No EN

170. If you answered *No* to question 169, is there any national process in place towards becoming a Party to the Supplementary Protocol?

No EN

171. Has your country introduced the necessary measures for the implementation of the Supplementary Protocol?

No measures have yet been taken EN

172. Which instruments are in place for the implementation of the Supplementary Protocol?

173. Does your country have administrative or legal instruments that require response measures to be taken

a. In case of damage resulting from LMOs?

No EN

b. In case there is sufficient likelihood that damage will result if response measures are not taken?

No EN

174. If you answered *Yes* to question 173a, do these instruments impose requirements on an operator (select all that apply)?

175. If you answered *Yes* to question 173a, do these instruments require the operator to take response measures to avoid damage?

176. If you answered *Yes* to question 173a or 173b, do these instruments provide for a definition of “operator”?

177. If you answered *Yes* to question 176, which of the following could be an ‘operator’ (select all that apply)?

178. Has a competent authority been identified for carrying out the functions set out in the Supplementary Protocol?

No EN

179. If you answered *Yes* to question 178, what measures may the competent authority take (select all

that apply)?

180. Does your country have measures in place to provide for financial security for damage resulting from LMOs?

No EN

181. If you answered *Yes* to question 180, what type of financial security measures are in place (select all that apply)?

182. Does your country have rules and procedures on civil liability that address damage resulting from LMOs, or has such damage been recognized in court rulings (select all that apply)?

No

183. Have there been any occurrences of damage resulting from LMOs in your country?

No EN

184. If you answered *Yes* to question 183, have response measures been taken?

185. Here you may provide further details on any activities undertaken in your country towards the implementation of the Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress

Penalties for damage to biodiversity resulting from living modified organisms are adressed in Article 15. Law of GMO (Official Gazette of BiH, No. 23/09). Bosnia and Herzegovina is planning to consider the possibility of becoming a Party to the Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress EN

Other information

186. Please use this field to provide any other information on issues related to national implementation of the Protocol, including any obstacles or impediments encountered.

Bosnia and Herzegovina is country in process of access to EU, accordinlly most of our activities relay on EU practice. Bosnia and Herzegovina follows specific topics of genetic modified organisms of European Food Safety Authority and harmonizing all procedures with relevant EU procedures, which will be continued also in a future EN

Comments on reporting format

187. Please use this field to provide any other information on difficulties that you have encountered in filling in this report

? BCH-NR4-BA-248298-1

Further Information

Questions about the Nagoya Protocol on Access and Benefit-sharing or the operation of the Access and Benefit-sharing Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

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