*Reference Record[[1]](#footnote-2):* Biosafety Virtual Library Resource[[2]](#footnote-3)

*Fields marked with an asterisk (\*) are mandatory.*

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| **General information** | |
| 1. Is this a new record or a modification to an existing record:\* | New record  *or*  Update of an existing record: <BCH record number>  *Please provide the BCH record number of the record that is being updated.* |
| 1. Title:\*[[3]](#footnote-4) | <Text entry> |
| 1. Type of resource:\* | Please select the applicable option(s) from: <Option List – Resource Type>  *(see the list in the annex to this common format)* |
| 1. Author(s):\*[[4]](#footnote-5) | Author(s) name: <Text entry>  *and/or*  Reference to the authoring organization(s): <BCH record number>  *Please provide the BCH record number(s) containing this information or, if not registered, please attach a “Contact” or a “Biosafety Organization” common format.[[5]](#footnote-6)* |
| 1. Publisher: | Reference to the publishing house or publishing organization(s) of this resource: <Text entry> |
| 1. Source:[[6]](#footnote-7) | <Text entry> |
| 1. Publication date:\* | <YYYY-MM> |
| 1. Rights:[[7]](#footnote-8) | <Text entry> |
| **Access to the resource(s)** | |
| 1. Link to the resource(s):\*[[8]](#footnote-9) | <Attachment>  *and/or* <URL and website name>  <Select language>\* |
| 1. Cover image(s): | <Attachment> |
| **Information on the content of the resource** | |
| 1. Summary, abstract or table of contents (max 300 words):\* | <Text entry> |
| 1. Country(ies), regional or economic group(s) covered by the resource: | <Geographical or political/economic group(s)>  *and/or*  <Country name(s)> |
| **Keywords for facilitating searching for information in the clearing-houses** | |
| 1. CBD Subject Areas: | Please select the applicable option(s) from:  <Option List – CBD Subject Areas>  *(see the list in the annex to this common format)* |
| **Keywords related to Biosafety** | |
| 1. BiosafetyThematic Areas:\* | Please select the applicable option(s) from:  <Option List – Biosafety Thematic Areas>  *(see the list in the annex to this common format)* |
| 1. Guidance on risk assessment of living modified organisms: | If “Risk assessment” was indicated as one of the “Biosafety Thematic Areas” in the previous question, please answer the following question:  Would you like to recommend this document as background material for the “Guidance on Risk Assessment of Living Modified Organisms”?\* (see <http://bch.cbd.int/onlineconferences/ra_guidance_references.shtml>)  Yes  No  └ If “Yes”, please provide information on the author affiliation:  Academic or research institute  Government agency (National/Federal)  Government agency (Sub-national)  Intergovernmental organization (IGO)  Non-governmental organization (NGO)  Private sector (business and industry)  Regional economic integration organization  UN and other specialized agency of the UN Common System  Other (please specify): <Text entry>  *AND*  └ If “Yes”, please select the section(s) of the “Guidance” this resource is relevant to:\*  <Option List – Sections of Guidance on Risk Assessment of Living Modified Organisms>  *(see the list in the annex to this common format)* |
| 1. Does this resource address one or more specific LMOs?:\* | Yes  No  └ <BCH record number>  *Please enter the BCH record number containing this information or, if not registered, attach an “LMO” common format[[9]](#footnote-10).* |
| 1. Does this resource address one or more specific organisms?:\* | Yes  No  └ <BCH record number>  *Please enter the BCH record number containing this information or, if not registered, attach an “Organism” common format[[10]](#footnote-11).* |
| 1. Does this resource address one or more specific genetic elements[[11]](#footnote-12)?:\* | Yes  No  └ <BCH record number>  *Please enter the BCH record number containing this information or, if not registered, attach a “Genetic element” common format[[12]](#footnote-13).* |
| **Additional information** | |
| 1. Any other relevant information:[[13]](#footnote-14) | <Text entry>  *and/or* <URL and website name>  *and/or* <Attachment> |
| 1. Notes:[[14]](#footnote-15) | <Text entry> |

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| **Record Validation** | |
| Information should be submitted online to the BCH through the Submit page. This offline common format is made available to assist BCH users to gather and organize their records prior to submission to the BCH.  In case of difficulties in submitting this information online, the completed documents should be sent in MS Word format by e-mail to [bch@cbd.int](mailto:bch@cbd.int).  Alternatively, they can be sent by fax to **+1 514 288 6588**.  or postal mail to:  **Secretariat of the Convention on Biological Diversity**  **413 rue Saint-Jacques, suite 800**  **Montreal, Québec, H2Y 1N9**  **Canada**  **Important Notice:** Please note that if this form is going to be sent via fax, postal mail or from an e-mail address that is not registered in the BCH, a copy/scan of this signed page should be attached. A completed “Contact” common format should also be attached if the user is not registered in the BCH. | |
| Date:\* | <YYYY-MM-DD> |
| Name of the person submitting the request:\* | <Text entry> |
| Contact details of the person submitting the request: | *<registered e-mail address>*  *Please enter the e-mail address that is registered in the BCH or, if not registered, attach a “Contact” common format[[15]](#footnote-16).* |
| *I hereby confirm that the above information is correct and request its inclusion in the Biosafety Clearing-House.* | |
| Signature of the person submitting the information:\* |  |

**ANNEX**

**OPTIONS FOR COMPLETING THE FORMAT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **OPTION LIST - Resource TYPE**  *(choose as many options as needed in order to best describe the resource)* | | | | |
| General library resourceArticleBookBook chapterBriefingConference paperConference proceedingsExecutive summaryJournalMagazineNewspaperReportReview | Capacity-building relatedBest practicesCase studiesChecklistFact sheetFAQsGuideHandoutLessons learnedManualNeeds assessment toolQuizStandardsTechnical guideTutorialWorksheet | MultimediaE-learning courseImageInstructional videoMapPodcast /Audio recordingPosterPresentationRecording of an academic courseWebinar recording | Online/VirtualListservMailing listNews serviceOnline databaseOnline forumSoftware applicationWebsiteCataloguesArchiveBibliographyCatalogueDictionaryGlossary |

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| **OPTIONS LIST – CBD Subject Areas**  *(choose as many options as needed in order to best describe the resource)* | |
| Biomes:   * Agricultural biodiversity * Dry and sub-humid lands * Forest biodiversity * Inland waters biodiversity * Island biodiversity * Marine and coastal biodiversity * Mountain biodiversity * Polar biodiversity | Cross-cutting issues:   * Scientific and technical cooperation * Access to genetic resources and benefit-sharing * Biodiversity for development * Chemicals and pollution * Climate change and biodiversity * Economics, trade and incentive measures * Ecosystem approach and restoration * Ex-situ conservation * Gender and biodiversity * Handling of biotechnology * Health and biodiversity * Protected areas * Intellectual property rights * Invasive alien species * Traditional knowledge, innovations & practices * Taxonomy * Tourism * Genetic use restriction technologies * Sustainable use of biodiversity * Transfer of technology and cooperation * Biosafety and biotechnology * Endangered species * Exchange of information * South-south cooperation * New and emerging issues * In-situ conservation |

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| **OPTIONS LIST – Biosafety Thematic Areas**  *(choose as many options as needed in order to best describe the resource)* |
| **Biosafety policy and regulation**  Advance informed agreement (AIA)  Compliance and Enforcement  Import / Export  Liability and redress  Multilateral agreements  National administrative frameworks  National decision-making system  National policies  National/Domestic regulatory frameworks or guidelines  Precautionary approach (Principle 15 of Rio Declaration)  Transit  **Capacity-building and financial resources**  Cooperation and coordination mechanism  Financial mechanisms and resources  Institutional capacity development  Project design, monitoring and evaluation  Technology transfer  Training  **Information-sharing and management**  BCH Central Portal  BCH National nodes  Biosafety databases  Additional sources of biosafety information  **LMO use and transboundary movement**  Contained use  Emergency measures  Field trials  Handling, transport, packaging and identification  Illegal transboundary movement  LMOs for introduction into the environment (Environmental releases)  LMOs for pharmaceuticals  LMOs for use as food or feed or for processing  LMOs or specific traits that may have adverse effects  LMOs or specific traits that are not likely to have adverse effects  Unintentional transboundary movement  **Public awareness, education and participation**  Access to information  Biosafety education  Communication  Public participation  Public awareness  **Scientific and technical issues**  Food and feed safety  Human health  Detection  Environmental monitoring  Sampling  Risk assessment  Risk management  **Socio-economic and trade issues**  Bioethics  Coexistence  Intellectual property rights  Social and/or economic assessments  Trade rules and standards  **Other (please specify):** <Text entry> |

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| **OPTIONS LIST – Sections of “Guidance on Risk Assessment of Living Modified Organisms”** |
| Part I: Roadmap for risk assessment of living modified organisms Background  Introduction  Overarching issues in the risk assessment process  Protection goals, assessment endpoints and measurement endpoints  Protection goals and centres of origin and genetic diversity  Quality and relevance of information  Information requirements in the case of field trials or experimental releases  Identification and consideration of uncertainty  Planning phase of the risk assessment  Establishing the context and scope  Problem formulation  The choice of comparators  Conducting the risk assessment  Step 1: “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”  Identifying potential adverse effects to human health arising through environmental exposure  Characterization of LMOs developed through RNAi-based methods  LM crops and the use of herbicides  Step 2: “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””  Step 3: “Evaluation of the consequences should these adverse effects be realized”  Step 4: “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”  Step 5: “Recommendation as to whether or not the risks are acceptable or manageable, including, where necessary, identification of strategies to manage these risks”  Related issues Part II: Specific types of LMOs and traits Risk assessment of living modified plants with stacked genes or traits  Introduction  Planning phase of the risk assessment  The choice of comparators  Conducting the risk assessment  Sequence characteristics at the insertion sites, genotypic stability and genomic organization  Potential interactions among the stacked genes, their resulting phenotypic changes and effects on the environment and human health  Combinatorial and cumulative effects  Crossing and segregation of transgenes  Methods for distinguishing the combined transgenes in a stacked event from the parental LM plants  Risk assessment of living modified plants with tolerance to abiotic stress Introduction  Planning phase of the risk assessment  The choice of comparators  Conducting the risk assessment  Unintended characteristics, including cross-talk between stress responses  Testing the living modified plant in representative environments  Persistence in agricultural areas and invasiveness of natural habitats  Effects on the abiotic environment and ecosystem  Risk assessment of living modified trees Background  Introduction  Planning phase of the risk assessment  The choice of comparators  Conducting the risk assessment  Presence of genetic elements and propagation methods  Long lifespan, genetic and phenotypic characterization and stability of the modified genetic elements  Dispersal mechanisms  The likely potential receiving environment(s)  Exposure of the ecosystem to living modified trees and potential consequences  Risk management strategies  Risk assessment of living modified mosquitoes species that act as vectors of human and animal diseases Introduction Objective and scope  Planning phase of the risk assessment  The choice of comparators  Conducting the risk assessment  Characterization of the living modified mosquito  Unintended effects on biological diversity (species, habitats, ecosystems, and ecosystem function and services)  Vertical gene transfer  Horizontal gene transfer  Persistence of the transgene in the ecosystem  Evolutionary responses (especially in target mosquito vectors or pathogens of humans and animals)  Unintentional transboundary movement  Risk management strategies  Containment of the living modified mosquito  Related issues  **Part III: Monitoring of Living Modified Organisms Released into the Environment**  Introduction Objective and scope  Monitoring and its purposes  Development of a monitoring plan  Choice of indicators and parameters for monitoring (“what to monitor?”)  Monitoring methods, baselines including reference points, and duration of monitoring (“how to monitor?”)  Selecting monitoring methods  Establishing baselines, including reference points  Establishing the duration and frequency of monitoring  Choice of monitoring sites (“where to monitor?”)  Reporting of monitoring results (“how to communicate?”) |

1. Reference records contain information that may be submitted by any registered user. The information will be published in the BCH only after its completeness and accuracy have been validated by the Secretariat. The common formats for reference records can be accessed through the Submit page of the BCH. [↑](#footnote-ref-2)
2. The Biosafety Virtual Library Resource (VLR) is a database of biosafety-related publications and information resources maintained by the CBD Secretariat with the objective of increasing the accessibility and use of available biosafety information and resources by policymakers, educators, researchers, and the general public. Please note that to complete this form you may also need to download the following common format(s): “Contact”, “Biosafety Organization”; “Living Modified Organism”, “Genetic element” and “Organism”. [↑](#footnote-ref-3)
3. This will appear as the title of the BCH record. [↑](#footnote-ref-4)
4. Name of the person or organization who has authored the publication or information resource. [↑](#footnote-ref-5)
5. All BCH common formats can be accessed through the Submit page of the BCH. [↑](#footnote-ref-6)
6. A reference to a resource from which the present resource is derived, e.g. the name of a journal for an article published in a journal. [↑](#footnote-ref-7)
7. Information about rights held in and over the resource, such as copyright holder, and availability for reproduction for educational or non-profit purposes. [↑](#footnote-ref-8)
8. Please always attach the relevant document(s) that will be stored in the database for users to download. When resources are available on the Internet, please also provide a link to them. Please note that attachments are preferable to links because attachments are permanently accessible whereas links can become broken. [↑](#footnote-ref-9)
9. All BCH common formats can be accessed through the Submit page of the BCH. [↑](#footnote-ref-10)
10. All BCH common formats can be accessed through the Submit page of the BCH. [↑](#footnote-ref-11)
11. Information on genetic elements refers to *DNA sequences*, including genes, regulatory DNA sequences and other nucleic acids used to create a living modified organism. They may encode a protein or may have a specific regulatory function. [↑](#footnote-ref-12)
12. All BCH common formats can be accessed through the Submit page of the BCH. [↑](#footnote-ref-13)
13. Please use this field to provide any other relevant information that may not have been addressed elsewhere in the record. [↑](#footnote-ref-14)
14. The “Notes” field is for personal use. It can be seen only when the record is being edited but is not visible when the record is published. This field is not meant to be used for confidential information. [↑](#footnote-ref-15)
15. All BCH common formats can be accessed through the Submit page of the BCH. [↑](#footnote-ref-16)