



Convention on
Biological Diversity

The Biosafety Clearing-House

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Associate Programme Management Officer
16 March 2023

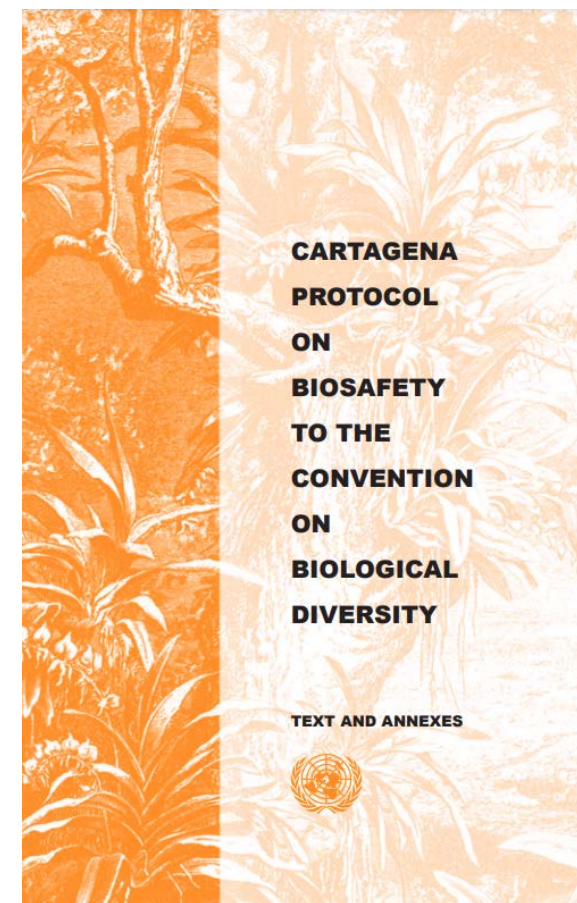


UNITED NATIONS DECADE ON
**ECOSYSTEM
RESTORATION**
2021-2030



What is the Biosafety-Clearing House?

- The Biosafety Clearing-House (BCH) was established:
 - By **Article 20** of the Cartagena Protocol on Biosafety
 - As part of the Clearing-House mechanism under Article 18, paragraph 3, of the Convention on Biological Diversity
- The BCH is the instrument that allows Parties to exchange information on living modified organisms (LMOs) and therefore plays **a fundamental role in facilitating the implementation of the Cartagena Protocol**



Why is the BCH important?

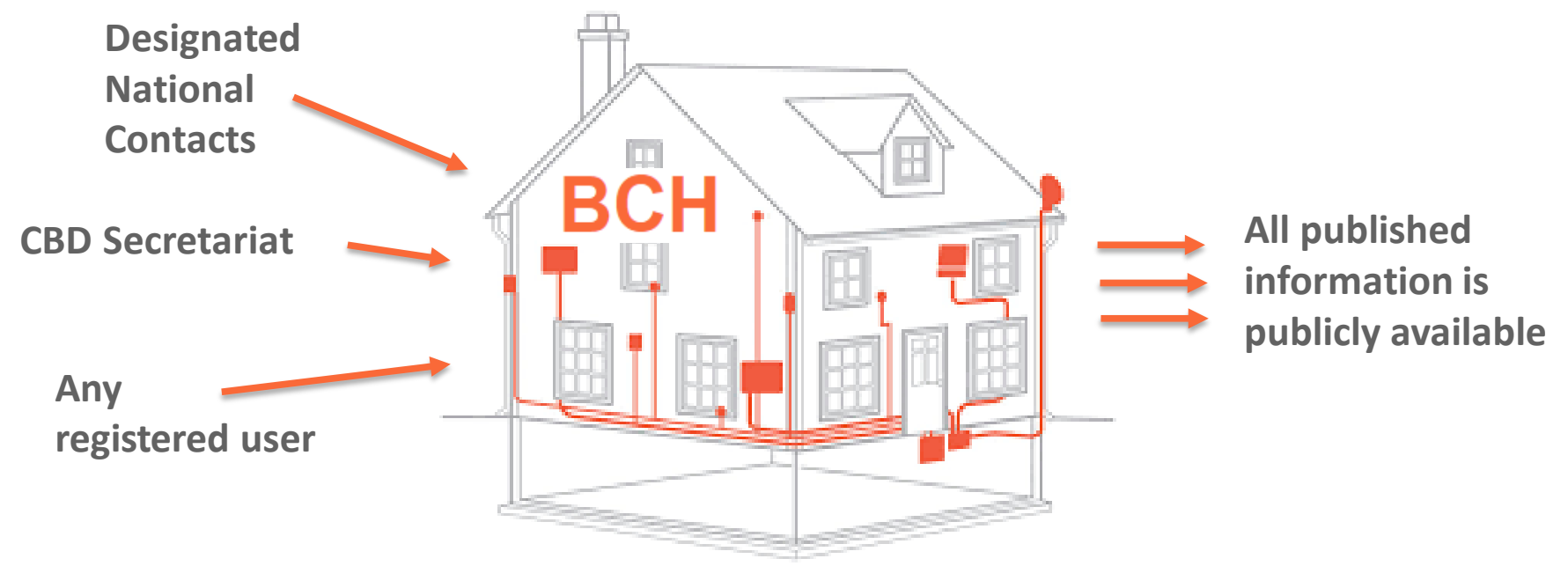
- The BCH fosters transparency:
 - In the regulation of LMOs → what rules apply and who to contact for more information
 - In decisions taken on LMOs → what LMOs have been approved or prohibited, for what uses, and where
 - Access to information on LMOs
- The BCH is for everyone:
 - Governments that are not Parties to the Protocol are also encouraged to publish information in the BCH
 - A large number of decisions in the BCH have been published by non-Parties
 - Other stakeholders can also publish some types of information in the BCH and the BCH is freely accessible to everyone



What information exists in the BCH?

- **National records** are published by governments and include information Parties are obliged to provide in accordance with the Protocol as well as other national information relevant to the implementation of the Protocol
- **Reference records** include a number of biosafety-related resources and information that can be submitted by any registered user and are validated by the Secretariat prior to their publication

The BCH at its core



How does the BCH contribute to the field of detection and identification of LMOs?

- Database of information related to biosafety and LMOs (scientific records, resource records, experts)
- User-friendly search and cross-referencing between records
- Linkages to other databases
- Network of Laboratories



What type of scientific records are on the BCH?

- Living modified organisms
- Genetic elements
- Organisms
- Biosafety Virtual Library Resources
- Laboratories for detection and identification of LMOs
- Risk assessments generated by an independent or non-regulatory process

Reference

- Risk assessment generated by a regulatory process
- Biosafety experts

National



Snapshot of the BCH

- 17,400+ records published
 - 940+ LMOs
 - 840+ genetic elements
 - 260+ organisms
 - 70+ laboratories
 - 1570+ virtual library resources
 - 2600+ risk assessments
 - 360+ biosafety experts

What does a BCH record look like: Living Modified Organisms

LIVING MODIFIED ORGANISM (LMO)


[BCH-LMO-SCBD-15168-16](#) | [PDF](#) | [Print](#) | [Share](#) | [Compare](#) | [Edit](#)

[Decisions on the LMO](#) [Risk Assessments](#)

LAST UPDATED: 25 SEP 2020


Living Modified Organism identity

The image below identifies the LMO through its unique identifier, trade name and a link to this page of the BCH. Click on it to download a larger image on your computer. For help on how to use it go to the LMO quick-links page.



MON-88913-8
Roundup Ready™ Flex™ cotton

<https://bch.cbd.int/database/record?documentID=15168>



Read barcode or type above URL into internet browser to access information on this LMO in the Biosafety Clearing-House © SCBD 2012

Name

Roundup Ready™ Flex™ cotton

EN

Transformation event

MON88913 (88913)


Does this LMO have a unique identifier?

Yes

Unique identifier

MON-88913-8

Developer(s)

- [ORGANIZATION: MONSANTO](#) | [BCH-CON-SCBD-14925-3](#) 

ORGANIZATION:

Monsanto
800 North Lindbergh Blvd.
St. Louis, MO
63167, United States of America
Phone: + 1 314 694-1000
Fax: +1 314 694-3080
Website: <http://www.monsanto.com>

Description

Roundup Ready® Flex cotton (MON 88913) was developed to allow the use of glyphosate, the active ingredient in the herbicide Roundup®, as a weed control option in cotton production. This genetically engineered cotton contains a novel form of the plant enzyme 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS) that allows MON 88913 to survive otherwise lethal applications of glyphosate. The *epsps* gene introduced into MON 88913 was isolated from a strain of the common soil bacterium *Agrobacterium tumefaciens* strain CP4; the EPSPS enzyme expressed by this gene is tolerant to glyphosate. MON 88913 cotton contains two copies of the EPSPS gene to confer tolerance to glyphosate later in the growing season, specifically after the fifth true leaf stage.

EN

Recipient Organism or Parental Organisms

The term "Recipient organism" refers to an organism (either already modified or non-modified) that was subjected to genetic modification, whereas "Parental organisms" refers to those that were involved in cross breeding or cell fusion.

 [BCH-ORGA-SCBD-12080-6](#) ORGANISM | GOSSYPIUM HIRSUTUM (COTTON) |

Crops

Point of collection or acquisition of the recipient organism or parental organisms

Variety: 'Coker 312'

EN

Characteristics of the modification process

Vector

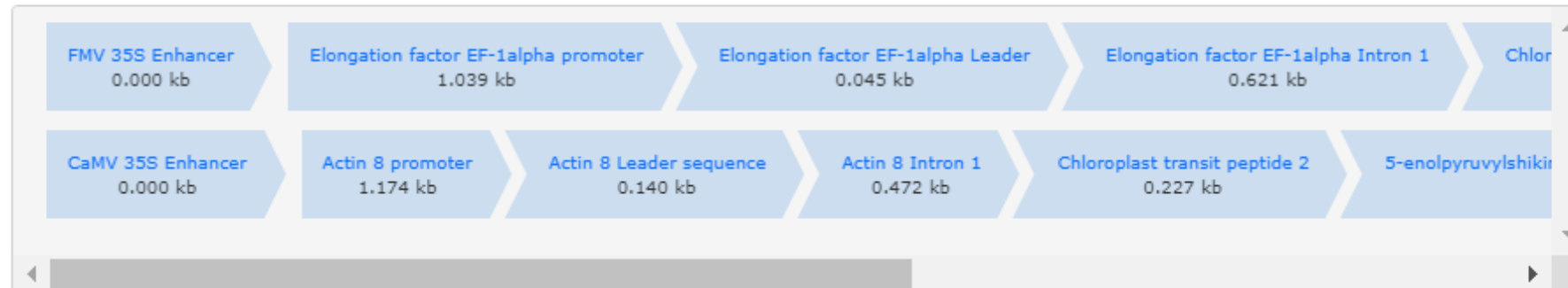
PV-GHGT35

EN

Techniques used for the modification

Agrobacterium-mediated DNA transfer

Genetic elements construct



Introduced or modified genetic element(s)

Some of these genetic elements may be present as fragments or truncated forms. Please see notes below, where applicable.

[BCH-GENE-SCBD-14979-7](#) 5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE SYNTHASE GENE | AGROBACTERIUM TUMEFACIENS (AGROBACTERIUM) |

Protein coding sequence | Resistance to herbicides (Glyphosate)

[BCH-GENE-SCBD-103903-1](#) ELONGATION FACTOR EF-1ALPHA PROMOTER | ARABIDOPSIS THALIANA (THALE CRESS, MOUSE-EAR CRESS, ARABIDOPSIS, ARATH) |

Promoter

[BCH-GENE-SCBD-103904-1](#) ELONGATION FACTOR EF-1ALPHA LEADER | ARABIDOPSIS THALIANA (THALE CRESS, MOUSE-EAR CRESS, ARABIDOPSIS, ARATH) |

Leader

[BCH-GENE-SCBD-103905-1](#) ELONGATION FACTOR EF-1ALPHA INTRON 1 | ARABIDOPSIS THALIANA (THALE CRESS, MOUSE-EAR CRESS, ARABIDOPSIS, ARATH) |

Intron

[BCH-GENE-SCBD-100365-6](#) CHLOROPLAST TRANSIT PEPTIDE 2 | ARABIDOPSIS THALIANA (THALE CRESS, MOUSE-EAR CRESS, ARABIDOPSIS, ARATH) |

[BCH-GENE-SCBD-105196-2](#) FMV 35S ENHANCER | FIGWORT MOSAIC VIRUS (FIGWORT MOTTLE VIRUS, FMV, CMOV B)

Leader

[BCH-GENE-SCBD-105197-2](#) CAMV 35S ENHANCER | CAULIFLOWER MOSAIC VIRUS (CAMV)

Leader

Notes regarding the genetic elements present in this LMO

Information on the inserted DNA sequences

The transforming plasmid PV-GHGT35 carried a transfer DNA sequence comprising of two codon-optimised *Agrobacterium tumefaciens* 5-enolpyruvylshikimate-3-phosphate synthase (*epsps*) cassettes:

(1) the first *epsps* coding sequence under the regulation of a chimeric transcriptional promoter (*Figwort mosaic virus* 35S promoter enhancer and *Arabidopsis thaliana* elongation factor EF-1 alpha (*tsf1*) promoter), *tsf1* leader and intron sequences, an *A. thaliana* chloroplast transit peptide 2 sequence and a *Pisum sativum* ribulose-1,5-bisphosphate carboxylase/oxygenase (rubisco) E9 transcript termination and polyadenylation sequence (T-E9).

(2) the second *epsps* coding sequence regulated by another chimeric transcriptional promoter (*Cauliflower mosaic virus* 35S enhancer and *A. thaliana* actin 8 (*act8*) promoter), *act8* leader and intron sequences, *A. thaliana* chloroplast targeting peptide 2 and T-E9.

High levels of transcription are expected from both cassettes due to the presence of viral enhancer sequences. The EPSPS protein is expected to accumulate in the chloroplast due to the transit signal peptide.

Vector information

Monsanto constructed the double border, binary plasmid vector PV-GHGT35 for the transformation of cotton variety Coker 312. The plasmid contains a single copy of two *epsps* expression cassettes within the T-DNA region. The T-DNA region of PV-GHGT35 was incorporated into the target cotton genome using *Agrobacterium*-mediated transformation. Plasmid PV-GHGT35 also contains several genes from the plasmid backbone necessary for maintenance and selection of the plasmid that are not ultimately incorporated into the plant genome. Plasmid PV-GHGT35 contains both vegetative and bacterial origins of replication that allow replication of the plasmid in both *A. tumefaciens* and *Escherichia coli*. The plasmid contains the *aad* gene encoding the Tn7 adenyltransferase that provides resistance to spectinomycin and streptomycin. The plasmid also contains a sequence, known as *rop*, which represses the formation of RNA primer thereby allowing maintenance and copy number control of the plasmid in *Escherichia coli*.

Note on genetic element sizes:

The promoter for both genetic constructs are chimeric promoters containing viral enhancer sequences. Thus, the size of the promoters (Elongation factor 1 alpha and Actin 8) in the 'Genetic elements construct' reflects the size of chimeric promoters (FMV 35S enhancer + Elongation factor 1 alpha promoter; CaMV 35S enhancer + Actin 8 promoter).

EN



What does a BCH record look like: Living Modified Organisms

LMO characteristics

Modified traits

Resistance to herbicides
Glyphosate

Common use(s) of the LMO

Fiber/textile

Detection method(s)

External link(s)

[MON-88913-8 - EU Reference Laboratory for GM Food and Feed \(EURL-GMFF\) \(JRC \) \[English \]](#)

[MON-88913-8 - CropLife International Detection Methods Database \(CropLife \) \[English \]](#)



Meeting challenges in a growing world

A I A I A

[Home](#) [About Us](#) [Crop Protection](#) [Plant Biotechnology](#) [Resources](#) [Contact Us](#)

[database home](#) [technology overview](#) [about us](#) [library](#) [intellectual property](#)

The CropLife International Detection Methods Database

Background

Genetically modified (GM) crops were first introduced in 1994 and have now been adopted by farmers in more

 **SEARCH THE
DATABASE**

Filter products by crop, protein,
developer, and more.


Additional Information

Additional Information

The EPSPS enzyme is part of the shikimate pathway, an important biochemical pathway in plants involved in the production of aromatic amino acids and other aromatic compounds. When conventional plants are treated with glyphosate, the plants cannot produce the aromatic amino acids needed for growth and survival. EPSPS is present in all plants, bacteria, and fungi. It is not present in animals, since these organisms are unable to synthesize their own aromatic amino acids. Because the aromatic amino acid pathway is not present in mammals, birds, or aquatic life forms, glyphosate has little, if any, toxicity for these organisms. The EPSPS enzyme is naturally present in foods derived from plant and microbial sources.

EN

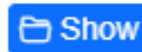

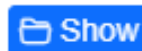
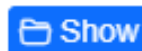
Other relevant website addresses and/or attached documents

 [MON 88913-8 - APHIS](#) [English]

 [Euginius: MON88913](#) [English]

Records referencing this document

Show in search

	Record type	Field	Record(s)
	Living Modified Organism	Recipient Organism" or "Parental Organisms	10
	Risk Assessment generated by a regulatory process	Living modified organism(s)	43
	Country's Decision or any other Communication	Living modified organism(s)	47
	Laboratory for detection and identification of LMOs	LMO(s) detectable by the laboratory	6

What does a BCH record look like: Living Modified Organisms

Records referencing this document

Show in search

	Record type	Field	Record(s)
Show	Living Modified Organism	Recipient Organism" or "Parental Organisms	11
Show	Risk Assessment generated by a regulatory process	Living modified organism(s)	43
Show	Country's Decision or any other Communication	Living modified organism(s)	47
Hide	Laboratory for detection and identification of LMOs	LMO(s) detectable by the laboratory	6

Title ↓	UId ↓	Updated on ↓
LAB - Executive Environment Agency (ExEA)	BCH-LAB-SCBD-250602-2	29 Mar 2021 18:13
LAB - National Bureau of Plant Genetic Resources, New Delhi (NBPGR)	BCH-LAB-SCBD-250645-6	29 Mar 2021 15:26
LAB - European Union Reference Laboratory for Genetically Modified Food and Feed (EU-RL GMFF)	BCH-LAB-SCBD-250649-4	29 Mar 2021 15:20
LAB - Comisión Intersecretarial de Bioseguridad de los Organismos Genéticamente Modificados (CIBIOGEM)	BCH-LAB-SCBD-250671-15	29 Mar 2021 15:13
LAB - Wageningen Food Safety Research (WFSR), Wageningen University & Research (Formely RIKILT Wageningen University & Research) (WFSR)	BCH-LAB-SCBD-250647-9	15 Jun 2020 13:25
LAB - Centre de Recerca en Agrigenòmica (CRAG)	BCH-LAB-SCBD-250661-2	03 Aug 2012 19:38

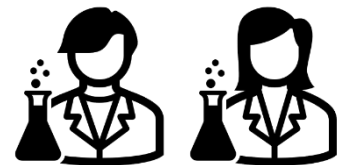
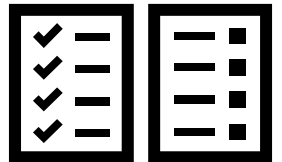
Where can you find detection-related information on the BCH?

- Living modified organisms (LMO)
 - Detection methods field (automated links)
 - Characteristics of the modification process section
 - Sequence information, regulatory documents and/or related journal publications in the additional information field
- Genetic elements (GENE)
 - GMO Genetic Elements Thesaurus (with EUginius)
 - Sequence information in the additional information field (if available)
- Organisms (ORGA)
 - Sequence information in the additional information field (if available)



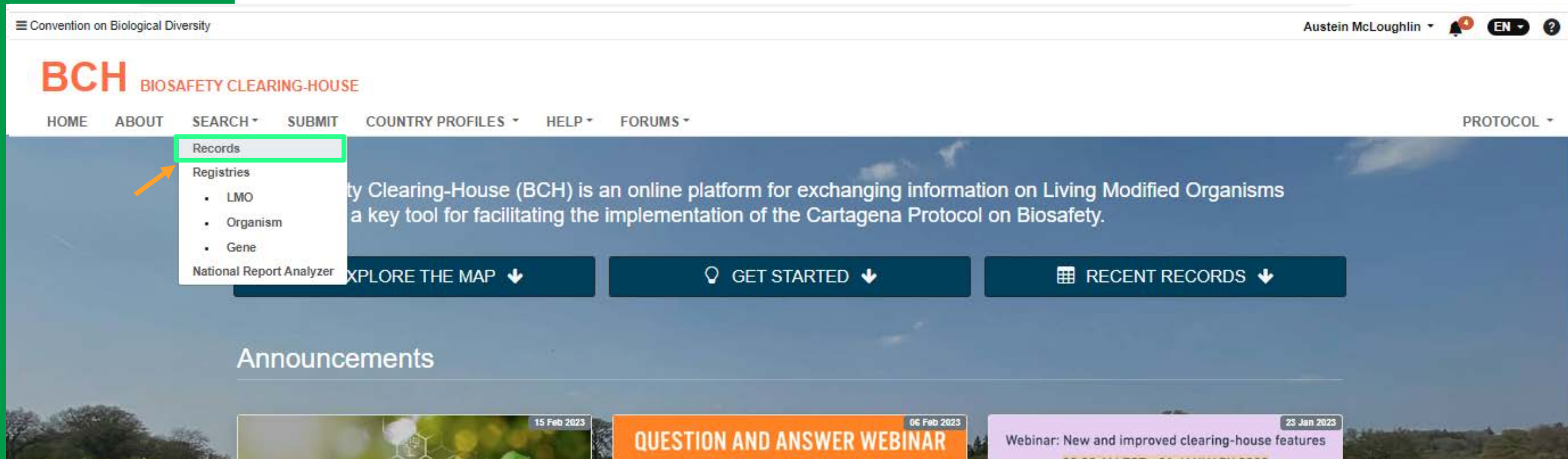
Where can you find detection-related information on the BCH?

- Biosafety Virtual Library Resources (VLR)
 - Scientific publications related to the field of detection and identification of LMOs
 - Detection is a “Biosafety Thematic Area”
- Laboratories for detection and identification of LMOs (LAB)
 - Information on services performed, methods used, types of LMOs analyzed, LMOs, genetic elements, accreditation
- Risk assessments (regulatory and non-regulatory; RA & IRA)
 - Risk assessment summary or report
 - LMO detection and identification methods proposed
- Biosafety experts (EXP)
 - Sampling and detection of LMOs is an Area of Expertise



How do I search for information related to detection?


1. Go to <http://bch.cbd.int>
2. Click “Search” and select “Records”
3. Select specific types of records under “Record types”



The screenshot shows the BCH (Biosafety Clearing-House) website. The navigation menu includes HOME, ABOUT, SEARCH, SUBMIT, COUNTRY PROFILES, HELP, FORUMS, and PROTOCOL. The SEARCH menu is open, showing a list of options: Records (highlighted with a green box and an orange arrow), Registries, LMO, Organism, Gene, and National Report Analyzer. Below the navigation menu, there is a main banner with the text: "BCH BIOSAFETY CLEARING-HOUSE" and "The Biosafety Clearing-House (BCH) is an online platform for exchanging information on Living Modified Organisms... a key tool for facilitating the implementation of the Cartagena Protocol on Biosafety." Below the banner, there are three buttons: EXPLORE THE MAP, GET STARTED, and RECENT RECORDS. Below the buttons, there is an Announcements section with three items: "15 Feb 2023", "06 Feb 2023 QUESTION AND ANSWER WEBINAR", and "23 Jan 2023 Webinar: New and improved clearing-house features".

CBD / BCH / Search

Search

 TAKE SEARCH TOUR


Search the Clearing-House


















DEFAULT VIEW ▾

 SORT SHARE EXPORTGLOBAL FILTERS: **Record types** ✕ Keywords ▾ Country ▾ Regions ▾ Date ▾ My saved searches ▾

National Records











 National records are published by governments and include information Parties are obliged to provide in accordance with the Protocol as well as other national information relevant to the implementation of the Protocol.

- National Focal Points (344) 
- Competent National Authorities (407) 
- Supplementary Protocol Competent Authorities (13) 
- Biosafety Laws, Regulations, Guidelines and Agreements (1139) 
- Countries' Decisions or any other Communications (2710) 
- Risk Assessments generated by a regulatory process (2597) 
- National Biosafety Websites or Databases (151) 
- Fourth National Reports on the Implementation of the Cartagena Protocol on Biosafety (135) 
- Third National Reports on the Implementation of the Cartagena Protocol on Biosafety (160) 
- Second National Reports on the Implementation of the Cartagena Protocol on Biosafety (156) 
- First National Reports on the Implementation of the Cartagena Protocol on Biosafety (0) 
- Interim National Reports on the Implementation of the Cartagena Protocol on Biosafety (0) 
- Biosafety Experts (363) 
- Country Profiles for Biosafety Clearing-House (168) 

- Contacts (2460) 

Reference Records

 Reference records include a number of biosafety-related resources and information that can be submitted by any registered user and are validated by the Secretariat prior to their publication.

- Biosafety Virtual Library Resources (1571) 
- Biosafety Organizations (377) 
- Laboratories for detection and identification of LMOs (74) 
- Living Modified Organisms (941) 
- Genetic elements (847) 
- Organisms (268) 
- Risk Assessments generated by an independent or non-regulatory process (32) 
- Submissions (525) 
- Capacity Development Initiatives (423) 
- BCH News (558) 

Party Status



- Party to the Cartagena Protocol on Biosafety
- Party to the Supplementary Protocol
- Ratified, not yet Party to the Cartagena Protocol on Biosafety
- Not a Party to the Cartagena Protocol on Biosafety



How do I refine my search: Laboratories for the detection and identification of LMOs

Search

Laboratories for detection and identification of LMOs Clear filters TAKE SEARCH TOUR

Search the Clearing-House Q DEFAULT VIEW SORT SHARE EXPORT

GLOBAL FILTERS: Record types Keywords Country Regions Date My saved searches Save this search

SUB-FILTERS

Laboratories for detection and identification of LMOs

Free Text

Search in Laboratories for detection and identification of LMC Q

Services and activities performed >

Types of LMOs >

Geographical region >

Types of detection/identification method(s) available for use in the laboratory >

LMO(s) detectable by the laboratory >

Genetic element(s) detectable by the laboratory >

All records **74** National records **0** Reference records **74** SCBD records **0**

Page 1 of 3 « First « Prev **1** 2 3 Next » Last » 1 - 25 of 74 Items per page 25

LAB - The P.I "Central Phytosanitary Laboratory" of the NFSA of the Republic of Moldova Q

Field sampling, Development of standard methods, Development of reference materials

LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-263325-1 | REPUBLIC OF MOLDOVA | 24 FEB 2023

LAB - Department of Chemistry Malaysia (DOC) Q

Development of standard methods, Organization of inter-laboratory comparisons, Validation of third parties' results and methods , Capacity-building or training

LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-260243-1 | MALAY SIA | 27 APR 2022

LAB - GMO Detection Laboratory in Shanghai Jiao Tong University (GMODL-SJTU) Q

Development of standard methods, Development of reference materials , Other

LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-259921-1 | CHINA | 30 MAR 2022



LAB - Centre National de Recherches sur l'Environnement (CNRE) Q

Field sampling, Development of reference materials , Supply of reference materials, Organization of inter-laboratory comparisons


LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-259867-1 | MADAGA SCAR | 23 MAR 2022

How do I refine the search: Laboratories for the detection and identification of LMOs

SUB-FILTERS

 **Laboratories for detection and identification of LMOs** 

Free Text



Services and activities performed >

Types of LMOs >

Geographical region >

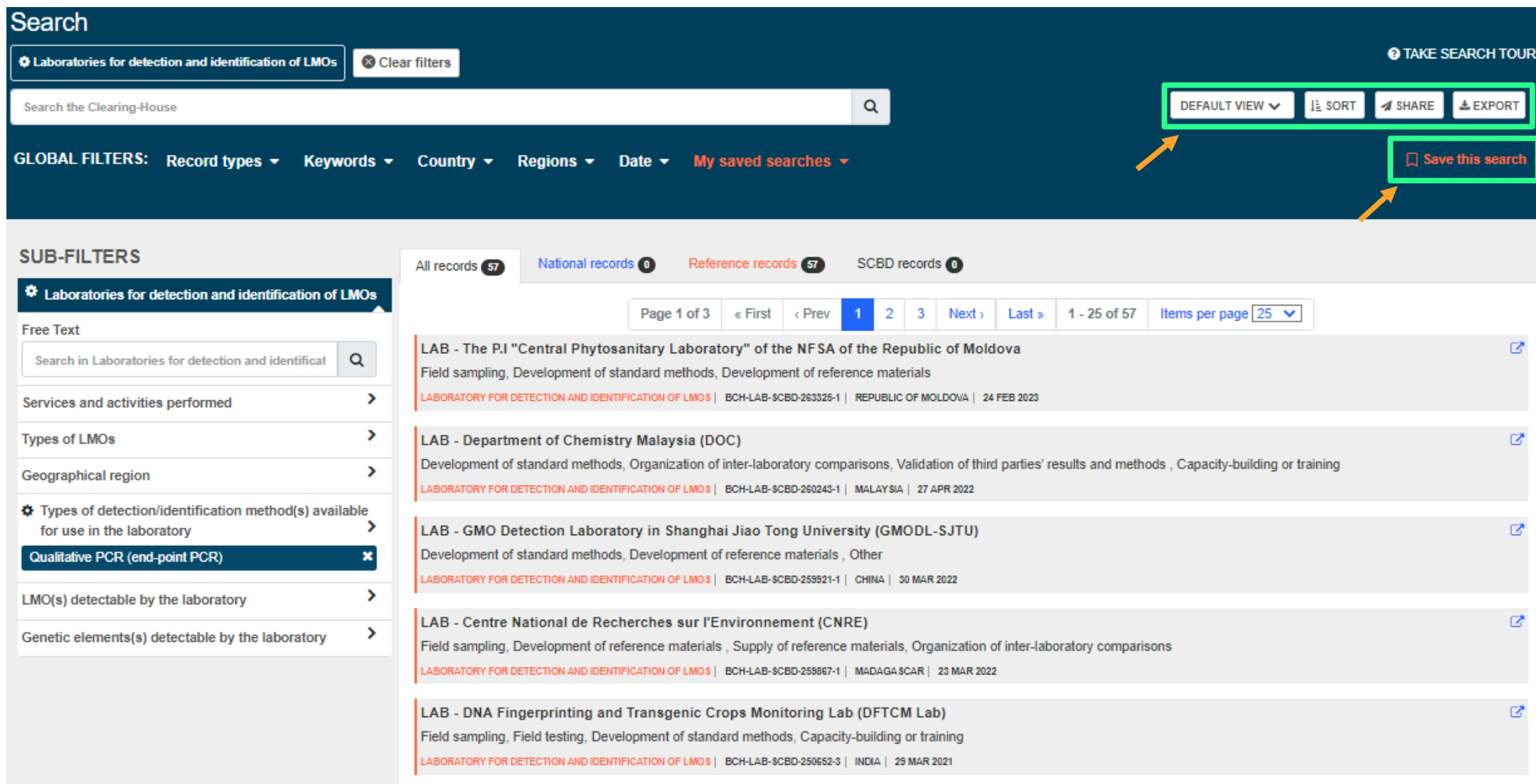
Types of detection/identification method(s) available for use in the laboratory >

LMO(s) detectable by the laboratory >

Genetic element(s) detectable by the laboratory >

- Sub-filters specific to the fields on the common format for each record type
- Improved functionality compared to previous version of the platform

How do I refine the search: Laboratories for the detection and identification of LMOs



Search

Laboratories for detection and identification of LMOs Clear filters

TAKE SEARCH TOUR

Search the Clearing-House

GLOBAL FILTERS: Record types ▼ Keywords ▼ Country ▼ Regions ▼ Date ▼ My saved searches ▼

DEFAULT VIEW ▼ SORT ▼ SHARE ▼ EXPORT ▼

Save this search

SUB-FILTERS

Laboratories for detection and identification of LMOs

Free Text

Search in Laboratories for detection and identification of LMOs

Services and activities performed ▶

Types of LMOs ▶

Geographical region ▶

Types of detection/identification method(s) available for use in the laboratory ▶

Qualitative PCR (end-point PCR) ✕

LMO(s) detectable by the laboratory ▶

Genetic element(s) detectable by the laboratory ▶

All records 57 National records 0 Reference records 57 SCBD records 0

Page 1 of 3 « First ◀ Prev 1 2 3 Next ▶ Last » 1 - 25 of 57 Items per page 25 ▼

LAB - The P.I "Central Phytosanitary Laboratory" of the NFSA of the Republic of Moldova
Field sampling, Development of standard methods, Development of reference materials
LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-263325-1 | REPUBLIC OF MOLDOVA | 24 FEB 2023

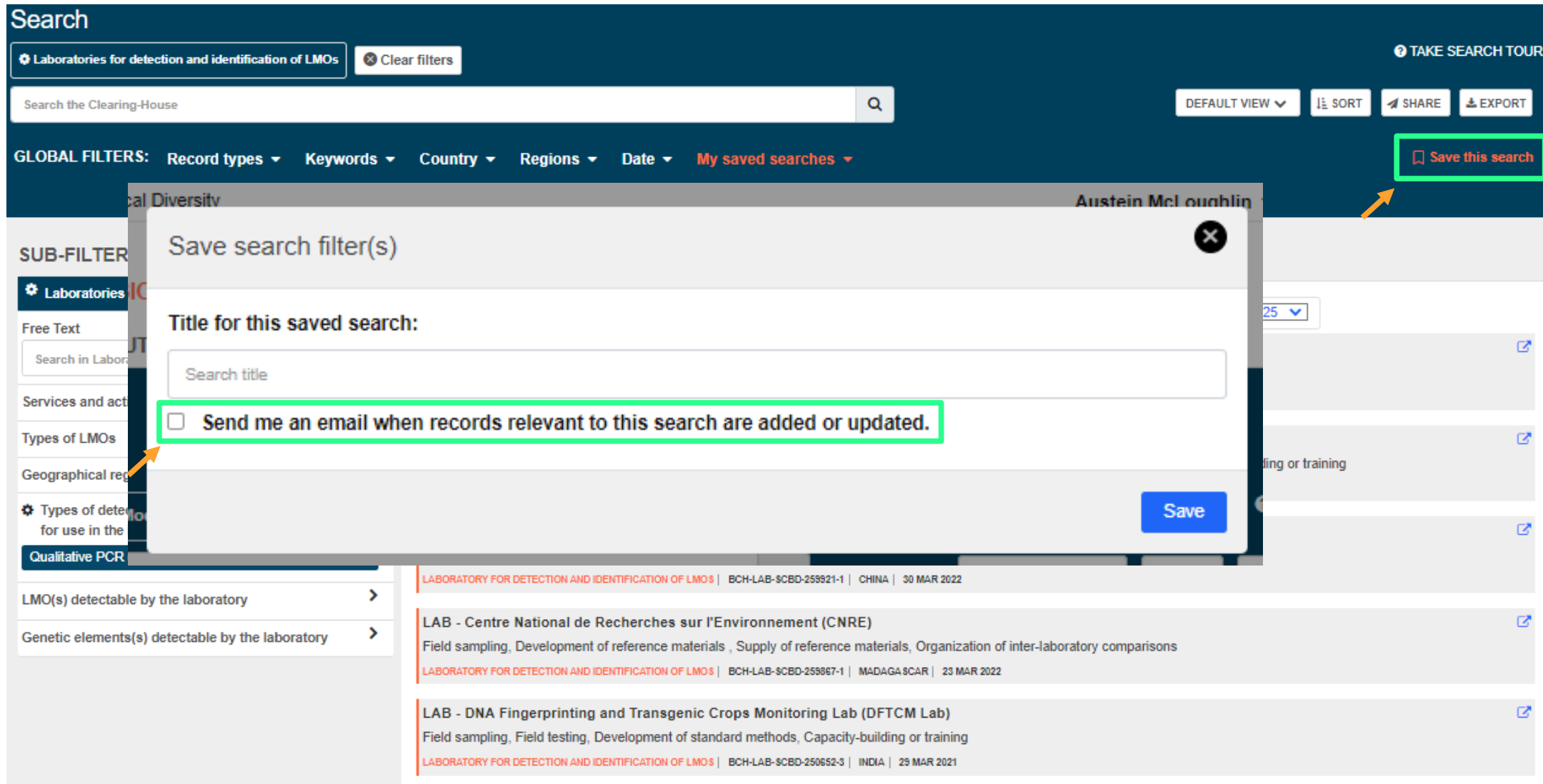
LAB - Department of Chemistry Malaysia (DOC)
Development of standard methods, Organization of inter-laboratory comparisons, Validation of third parties' results and methods , Capacity-building or training
LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-260243-1 | MALAYSIA | 27 APR 2022

LAB - GMO Detection Laboratory in Shanghai Jiao Tong University (GMODL-SJTU)
Development of standard methods, Development of reference materials , Other
LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-259921-1 | CHINA | 30 MAR 2022

LAB - Centre National de Recherches sur l'Environnement (CNRE)
Field sampling, Development of reference materials , Supply of reference materials, Organization of inter-laboratory comparisons
LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-259867-1 | MADAGASCAR | 23 MAR 2022

LAB - DNA Fingerprinting and Transgenic Crops Monitoring Lab (DFTCM Lab)
Field sampling, Field testing, Development of standard methods, Capacity-building or training
LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-250652-3 | INDIA | 29 MAR 2021

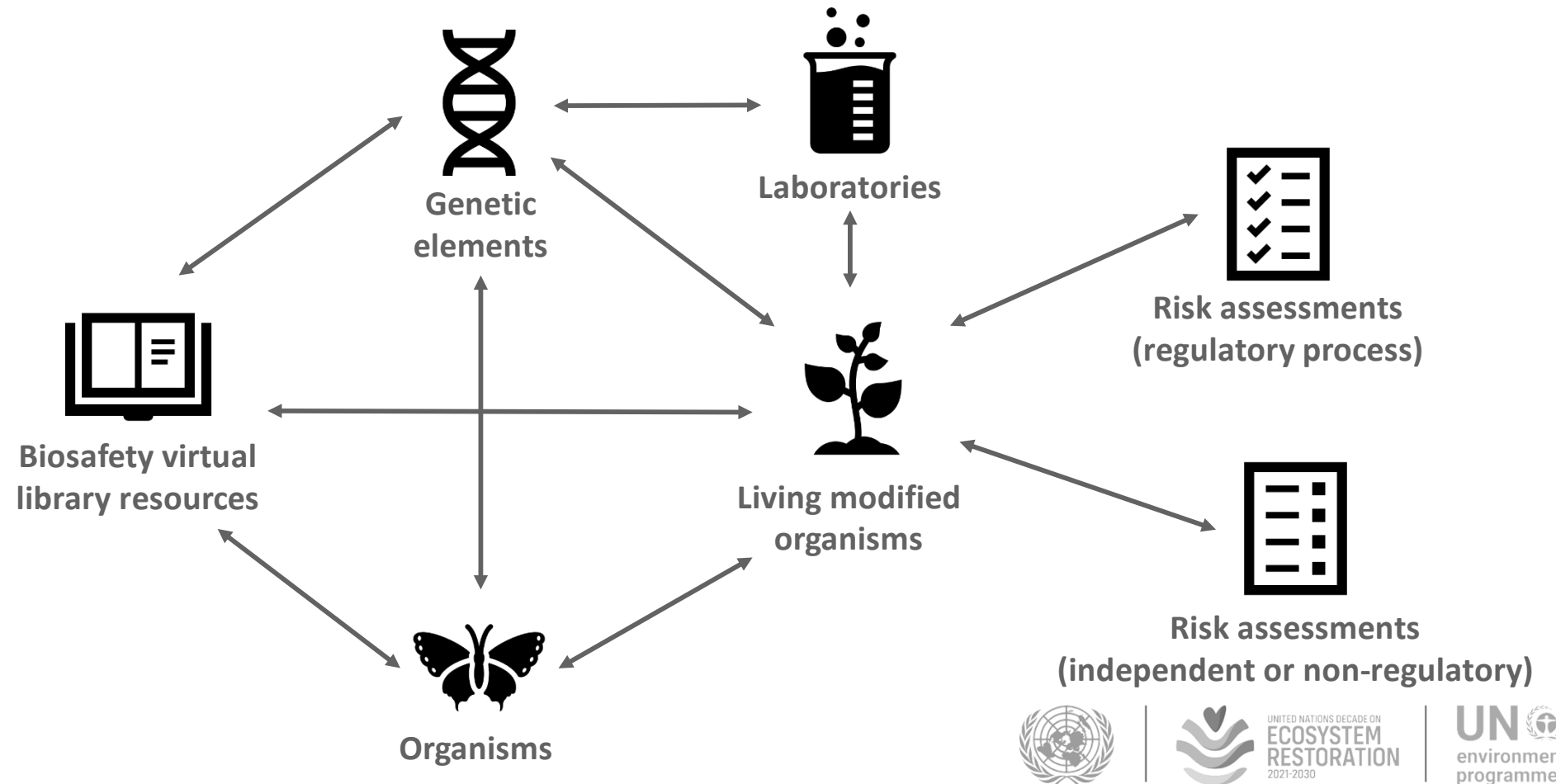
How do I refine the search: Laboratories for the detection and identification of LMOs



The screenshot shows a search interface for 'Laboratories for detection and identification of LMOs'. The search bar contains the text 'Search the Clearing-House'. The 'GLOBAL FILTERS' section includes 'Record types', 'Keywords', 'Country', 'Regions', 'Date', and 'My saved searches'. A 'Save this search' button is highlighted in a red box. A dialog box titled 'Save search filter(s)' is open, showing a 'Title for this saved search:' field with the text 'Search title'. Below this, there is a checkbox labeled 'Send me an email when records relevant to this search are added or updated.' which is also highlighted in a red box. The 'Save' button is visible at the bottom right of the dialog box. The background shows a list of search results for laboratories, including details like 'LABORATORY FOR DETECTION AND IDENTIFICATION OF LMOs | BCH-LAB-SCBD-253921-1 | CHINA | 30 MAR 2022' and 'LAB - Centre National de Recherches sur l'Environnement (CNRE) | Field sampling, Development of reference materials, Supply of reference materials, Organization of inter-laboratory comparisons'.

Other ways to find information

- Cross referencing between records in the BCH



Other ways to find information

- Cross referencing between records in the BCH
- Through the use of the registries
 - Compiled lists of all LMOs, genetic elements and organisms

Living Modified Organism (LMO) Registry 941

The LMO Registry provides summary information on all living modified organisms registered in the BCH, including transformation events, genetic modifications and the [unique identification code](#) (if available) for each record. Links to all decisions and risk assessment reports that refer to these organisms are accessible through the records in the registry.

[View registry](#)

Organism Registry 268

The Organism Registry includes summary information on those organisms that have been registered in the BCH as parental, recipient or donor organisms. The registry includes links to the records on each organism where further information about relevant biological characteristics, including information on taxonomic classification, common name, origin, centre of origin and centre of genetic diversity can be found. Links to records that reference the organism are provided at the bottom of each individual record.

[View registry](#)

Genetic Element Registry 847

The Genetic Element Registry provides a summary of information on the genetic elements associated with the LMOs registered in the BCH, including information on the donor organism, conferred traits and biological function. The registry includes links to the records on each genetic element where more details may be found. LMOs containing the particular genetic element are referenced at the bottom of the individual record.

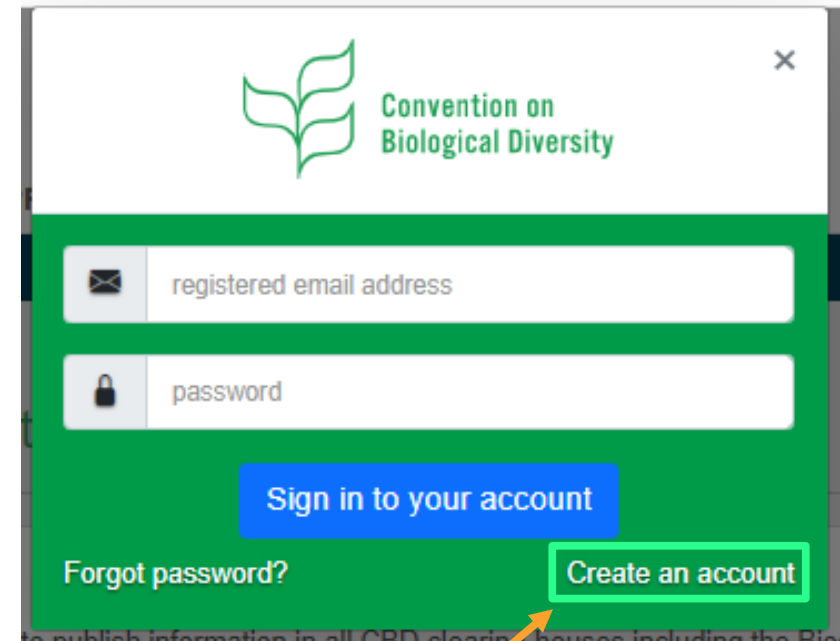
[View registry](#)

What is the Secretariat doing moving forward?

- Following the launch of the new platform in November, the Secretariat continues to improve the new BCH platform
- In decision CP-10/11, Parties are invited to submit information on their laboratories using the LAB common format
- Opportunities to explore further interlinkages and interoperability with other databases
 - Current: JRC GMOMethods + Croplife Detection methods database, FAO GM Foods platform, OECD BioTrack Product database

How to engage with the BCH?

- Sign up for a BCH account (<http://bch.cbd.int>)
- Submit information
 - New publications or protocols
 - Information on your lab
- Provide feedback (bch@cbd.int)
- Get help:
 - Chat
 - Training materials



The screenshot shows the BCH account sign-in page. At the top left is the Convention on Biological Diversity logo. Below it are two input fields: "registered email address" and "password". A blue button labeled "Sign in to your account" is positioned below the password field. At the bottom left, there is a link for "Forgot password?". At the bottom right, there is a green button labeled "Create an account". An orange arrow points from the "Create an account" button to the "?" icon in the navigation bar below.



Thank you

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