



BCH  
training



## Finding information in the BCH Central Portal

March 2010

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## 1 Introduction to the Module

### **What the user will learn in this module:**

**This module will introduce the user to the components of the BCH Central Portal and provide guidance on how to search for information in the BCH databases.**

#### **Context**

The UNEP-GEF Project for Capacity Building for Effective Participation in the Biosafety Clearing-House (BCH), in collaboration with the Secretariat of the Convention on Biological Diversity (SCBD), prepared a modular training package aimed at providing a practical “how-to” guide for countries to assist them in learning, understanding, using, and setting up national access to the BCH. The training package was designed to be flexible and is tailored to meet the diverse needs of different countries, allowing them to select those tools that are most useful to their situation, needs and priorities. The training package is divided into several modules, each addressing one element of the BCH. This module has been developed by the Secretariat after the revamping of the Management Centre, in line with all the other previous modules.

#### **Audience**

This module is designed to provide guidance to users of the BCH. It is developed for a non-technical audience with little or no knowledge of the Protocol and the BCH, but with a need to access and use data. Access to information is available to all users, but access to input facilities for the BCH is limited to those who have particular levels of access, e.g. National Focal Points (NFPs) and data entry personnel.

#### **Purpose**

This module provides detailed information about the databases found within the **Finding Information** section of the Central Portal. It explains how to find information in the BCH Central Portal. The web-based Central Portal allows governments to administer their information directly in the BCH databases. These databases, which form the nucleus of the BCH, can be searched to find relevant and useful information about the Protocol.

Each of the sections will guide the user into the different procedures to retrieve the maximum relevant information available through the BCH Central Portal.

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## 2 Finding Information

URL: <http://bch.cbd.int/database/>

Under Article 20, the BCH was established to facilitate the exchange of information about LMOs. The requirements for the types of information are listed in this Article and the BCH maintains databases with the relevant information. Access to this information is provided through the **Finding Information** page of the BCH website, which can be found through a link on the navigation bar of the BCH.

Figure 1

The screenshot shows the 'Finding Information' section of the BCH website. The left sidebar has a navigation menu with several categories: National Contacts, Laws and Regulations, Country's Decisions and other Communications, LMOs, Genes or Organisms, Roster of Experts, Capacity-Building, Biosafety Information Resource Centre (BIRC), Scientific Bibliographic Database, and Organizations. Below this is a 'Compiled Information' section with links to National Contacts, LMO Registry, Organism Registry, and Gene Registry. At the bottom of the sidebar is a 'Go to record ID' input field and a 'Go' button. Two specific links are highlighted with orange circles: 'National Contacts' under 'National Records' and 'Reference Records' under 'Reference Records'. The main content area starts with a welcome message about the variety of information available, followed by two main sections: 'National Records' and 'Reference Records', each with its own sub-links.

Figure 2

This section allows users to access a wide variety of scientific, technical, environmental, legal and capacity building information from the BCH databases. The categories of information are listed on the **Finding Information** page.

The main page of the **Finding Information** section contains a welcome message and a list of the information available which is divided into two groups. The left-hand group lists categories of National Records, which are submitted by Governments as mandated by Article 20 of the Protocol. The right-hand group lists categories of Reference Records, which are submitted by general BCH registered users. Both groups of information also appear in the Finding Information section of the left-hand menu. The **Compiled Information (Section 3)** section of the left-hand menu provides access to compiled records and listings.

The following chapters provide a general guide to the usage of the search pages, followed by an insight specifically into each of the categories of information and on how to access information from each database.

## 2.1 Using the search pages

The Finding Information section of the BCH provides web pages to search for each category of information in the BCH. To access a searchable database of interest, click on the link either on the Main page or in the left-hand menu. These web pages are designed to let the user specify the search criteria and then display the records found which match the search criteria used.

All search pages have a similar and consistent design. Let us take the **National Contacts** search page as an example.

Figure 3

The search page contains:

1. A brief description of the search page and the type of information that can be found through it.
2. The search criteria input area
3. The **Search** buttons
4. The **Browse all records** button

The criteria that can be used are given by the input boxes that appear on the search page of each category of information. The input boxes are used to narrow the search results, i.e. they can be used to obtain a smaller and more specific set of records, but never a wider one.

Several types of input boxes (also called fields) can be found in the criteria input area. Many of these types of fields are also found in the search pages of other categories of information. The following list describes these field types, which are shared among several categories of information:

- **Selection list field:** Fields of this type contain a list of pre-defined terms. This means that the user cannot input any term in the field, but must select terms from that pre-defined list. The list of terms is populated from a controlled vocabulary (see <http://bch.cbd.int/help/faq/#THE>). The most common example of this type of field is the **Country** field, which allows the user to narrow the search results to records regarding a specific country. Another example of this type of field is the **Region** field, which allows narrowing the search results to a specific region in the world. Please note that the **Country** and the **Region** fields cannot be used together: only one of them can be used at a time. The default setting for each selection list field is the first item at the top of the menu list. It is also possible to select more than one term from the list, and this is covered in “Using multiple selection” (Section 2.1.1).

## Finding information in the BCH Central Portal

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

[Search »](#)

	Select a country
<b>Geographical areas</b>	<input type="button" value="&lt;Any&gt;"/>  
	 
	 
<b>Type of National Contact</b>	 
<b>Date of record</b>	 
<b>Keyword search</b>	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	 
	<img alt="green plus" data-bbox="715 3360 732

inserted (i.e. a search with the single keyword “Maize” will produce a list of records containing the word “Maize” but not the words “Corn” or “Zea mays”)

- **AND:** if two keywords are combined using the AND operator (see picture) then only records containing both keywords will be returned
- **OR:** if two keywords are combined using the OR operator (see picture) then records which have at least one of the words will be returned.
- **Asterisk:** the user may enter part of a keyword followed by an asterisk (see picture) so that records with keywords which start with the text entered are returned. For example, if “Agricultur\*” is entered, then all records with keywords beginning with “Agricultur”, such as “Agriculture” and “Agricultural”, will be returned.

The figure consists of four vertically stacked screenshots of a 'Keyword search' interface. Each screenshot shows a search form with a text input field, a 'Browse all records' button, and a 'Search' button.

- Screenshot 1:** The text input field contains 'Import'. The text above the input field says 'Enter keywords. Separate words with AND or OR.'
- Screenshot 2:** The text input field contains 'Import AND Agriculture'. The text above the input field says 'Enter keywords. Separate words with AND or OR.'
- Screenshot 3:** The text input field contains 'Import OR Agriculture'. The text above the input field says 'Enter keywords. Separate words with AND or OR.'
- Screenshot 4:** The text input field contains 'Agricultur\*'. The text above the input field says 'Enter keywords. Separate words with AND or OR.'

Figure 6

- **Fields for adding additional search criteria:** Some categories of information contain fields that allow the user to add more search criteria to the search criteria area. For example, in the **LMOs, Genes and Organisms** search page there is a field called “Type of living organism” for adding additional search criteria to define how to search for living organisms. Selecting an option in that field will make a new field appear in the search criteria area. For example, if the user selects the “Filter by unique identifier” option, then a new selection list field called “Unique identifier” will appear. The user may then select a term from the pre-defined list of terms of that field so as to narrow the search results to a specific unique identifier. However, the user could have selected to “Filter by technique used” option before to make a field called “Technique” appear and thus narrow the search results to records of a specific technique.

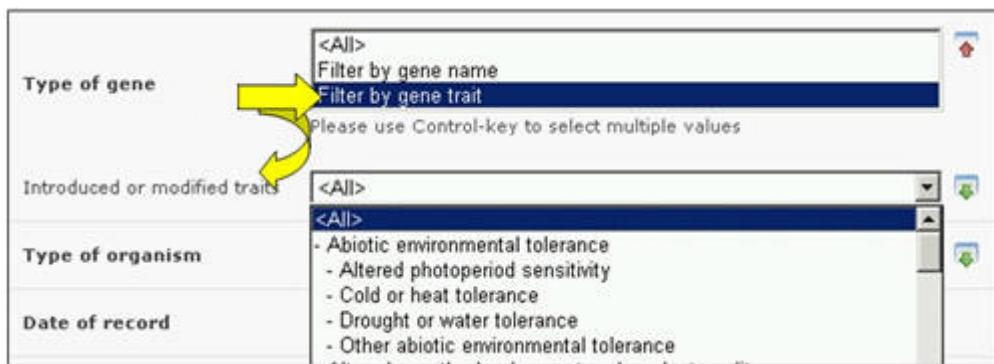


Figure 7

Fields of this type are similar in appearance to **Selection List** fields but absolutely different in their operation. One distinctive aspect of these fields is that all their options begin with “Filter by”. Note that several new search fields may be added by selecting more than one option from the additional criteria field; please see “**Using multiple selection**” (Section 2.1.1).

Finally, the **Search** button performs the search based on the specified criteria and then shows the search results, while the **Browse all records** button displays all records in the current category of information.

### 2.1.1 Using multiple selection

Many fields allow the user to select an option from a dropdown box, e.g. selection lists and additional criteria fields. These fields are often followed by a small icon with a green arrow, which can be used to select more than one option from the dropdown box.

The screenshot shows a search interface with various filters. A specific field under 'Geographical areas' is highlighted: 'Select a country' with a dropdown menu. An orange circle and a yellow arrow point to the green arrow icon next to the dropdown menu, indicating it's a multiple selection field. Below this, there are other fields like 'Select region', 'Type of National Contact', 'Date of record', and a 'Keyword search' input field. At the bottom are 'Browse all records' and 'Search' buttons.

Figure 8

Clicking on that icon displays the selectable options in a list. To select multiple options, hold down the Control (Ctrl) key if you are using a PC system or the Apple key if you are using a Macintosh system, while you click on the several options that you wish to select.

The icon now shows a red arrow pointing up, and clicking on it again will close the list, preserving your selected options.

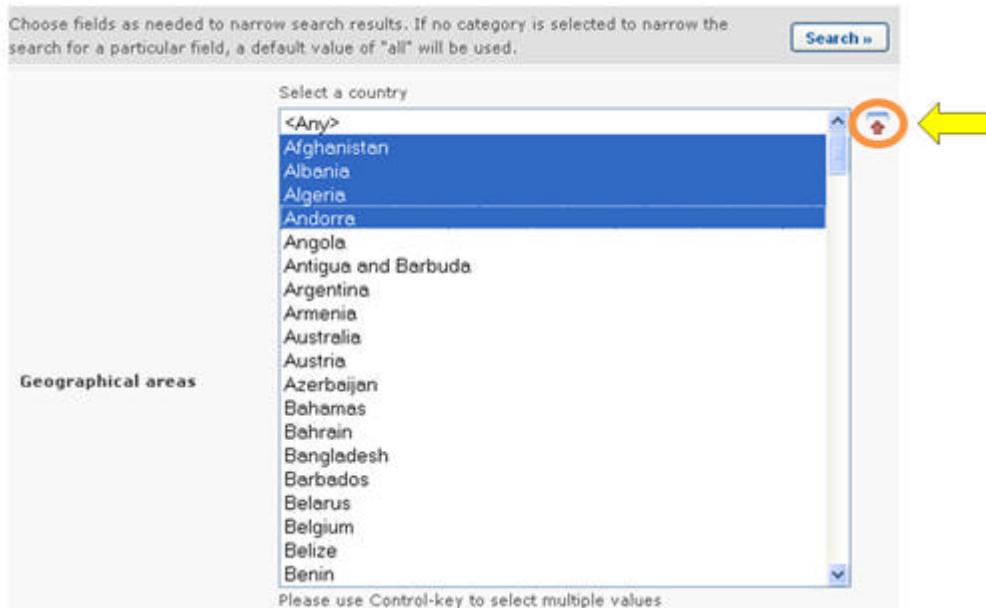


Figure 9

When more than one option is selected from a selection list field, records corresponding to any of the selected options are included in the results. For example, when searching for National Contacts, if two countries are selected in the Country field, National Contacts from both countries will be displayed in the search results, i.e., records corresponding to the first and to the second selected countries.

Conversely, when more than one option is selected from an additional search criteria field, several new fields will be displayed in the search criteria area for the user to fill. For example, when searching for Country's Decisions and Other Communications, new search criteria can be added by selecting multiple options in the Type of Living Organism field. For example, if the “Filter by Unique Identifier”, “Filter by Gene name” and “Filter by technique used” options are selected, then three new fields will appear accordingly in the screen for the user to input search criteria in them.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Registries <All>

Type of living modified organism <All>

- <All>
- Filter by unique identifier
- Filter by LMO identity
- Filter by technique used

Please use Control-key to select multiple values.

Unique Identifier <All>

LMO Identity <All>

Technique <All>

Type of gene <All>

Figure 10

## 2.1.2 Managing Search Results

Pressing the **Search** button will display the search results page, listing all records that match the specified search criteria. The header of the list shows the amount of records found and provides links to navigate through the pages of the search results list.

Record 1 to 25 of 795

ID	Record holder and type
9896	Afghanistan National Focal Point <a href="#">Hashim Barikzai</a> CBD National Focal Point
9312	Albania Competent National Authority <a href="#">Ministry of Environment, Forestry and Water Administration</a>
9313	Albania Competent National Authority <a href="#">Ministry of Agriculture and Food</a>
9314	Albania Competent National Authority <a href="#">Ministry of Health</a>
9619	Albania National Focal Point <a href="#">Zamir Dedei</a> Biosafety Clearing-House Focal Point
9652	Albania National Database or Website <a href="#">Development of a National Biosafety Framework for Albania</a> Development of a National Biosafety Framework for Albania
9655	Albania National Database or Website <a href="#">Albanian Ministry of the Environment</a> Albanian Ministry of the Environment website
57024	Albania National Focal Point <a href="#">Fatmir Mediu</a> Cartagena Protocol on Biosafety National Focal Point, CBD National Focal Point, Emergency Measures (Article 17) Contact Point
8681	Algeria National Focal Point <a href="#">Nadia Chenouf</a> Biosafety Clearing-House Focal Point, CBD National Focal Point

Figure 11

For some categories of information, additional features are provided for handling the search results, and these are covered in the section corresponding to each category of information.

Each record displayed contains a link (which can be on the record ID or on the record name, depending on the record type) which displays the detailed record information when clicked on.

The screenshot shows two pages from the BCH Central Portal. The top page is titled 'Search results' and displays a single record for 'Paraguay'. The record details a 'National Focal Point' named 'Maria Cristina Torres' who is associated with the 'Cartagena Protocol on Biosafety National Focal Point, Emergency Measures (Article 17) Contact Point'. A yellow arrow points from the 'Record holder and type' section to the 'Record' page below. The bottom page is titled 'National Focal Point' and provides detailed information about the record, including its ID (9851), status (Published), creation date (2005-07-18), last update date (2009-10-16), and owner (bchadmin@biodiv.org). It also lists the country (Paraguay) and category (Cartagena Protocol on Biosafety National Focal Point, Emergency Measures (Article 17) Contact Point).

Figure 12

If the record is available in more than one language, then a bar is displayed which allows the user to view the record information in another available language.

The screenshot shows a page from the BCH Central Portal titled 'Recurso de información sobre seguridad de la biotecnología'. The page displays registration information (ID 48852, Published status, creation date 2009-05-26, last update 2009-09-17, owner manuela.miranda@cbd.int) and general information (title: 20 PREGUNTAS SOBRE LOS ALIMENTOS GENÉTICAMENTE MODIFICADOS (GM)). A blue bar at the bottom of the page contains the text 'This document is also available in the following languages:' followed by a dropdown menu set to 'Spanish'. This bar is highlighted with a red oval.

Figure 13

If any record in the database references the one currently being displayed, then a section called "Records referencing this record" appears at the bottom of the page. This section provides direct links to all records that reference the current one.

Records referencing this document (87)	
ID	Description
213	<a href="#">Country's Decision or any other Communication</a> MON-00810-6 - YieldGard™ Maize Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths)
777	<a href="#">Country's Decision or any other Communication</a> MON 810 MON-00810-6 - YieldGard™ Maize Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths)
5434	<a href="#">Country's Decision or any other Communication</a> MON-00603-6 x MON-00810-6 - Roundup Ready™ YieldGard™ Maize Resistance to diseases and pests - Insects - Lepidoptera (butterflies and moths) Resistance to herbicides - Glyphosate
	<a href="#">Country's Decision or any other Communication</a>

Figure 14

## 2.2 National Contacts

URL: <http://bch.cbd.int/database/contacts/>

Article 19 of the Protocol requires the designation of Competent National Authorities and National Focal Points. This information, as well as National Biosafety Websites and Databases, is searchable from the [Search for National Contacts](#) page.

The search page for information about **National Contacts** can be accessed from the link in the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu of the **Finding Information** page, or from the **National Contacts** link in the text of that page.

The screenshot shows the main navigation bar of the Biosafety Cleaning-House website. The top bar includes links for Home, The BCH, The Protocol, Finding Information, Registering Information, Resources, Help, and Country Profiles... A magnifying glass icon is also present. Below the navigation bar, the left sidebar contains a tree-like menu under 'Finding Information'. The 'National Contacts' link is highlighted with a red oval. The main content area displays a search result for 'National Contacts', listing various categories such as 'Laws and Regulations', 'Country's Decisions and other Communications', 'LMOs, Genes or Organisms', 'Roster of Experts', 'Capacity-Building', 'Biosafety Information Resource Centre (BIRC)', 'Scientific Bibliographic Database', and 'Organizations'. Each category has a brief description and a link to more details. The right side of the page features a large green globe graphic.

Figure 15

The National Contacts search interface enables the user to search for:

1. National Focal Points for the Cartagena Protocol on Biosafety (CPB-NFPs), who are responsible for liaising between the CBD Secretariat and their respective governments;
2. National Focal Points for the Biosafety Clearing-House (BCH-NFPs), who are responsible for liaising with the CBD Secretariat regarding the development and implementation of the BCH;
3. Emergency Measures Contact Points for receiving notifications under Article 17 of the Protocol;
4. Competent National Authorities, who are designated and authorized by governments to be responsible for performing the administrative functions required by Article 19 of the Protocol; and
5. National Biosafety Websites and Databases.

The screenshot shows the 'Search for National Contacts' page. At the top, a message says: 'Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.' Below this is a 'Search' button. The page is divided into sections with dropdown menus:

- Geographical areas:** 'Select a country' dropdown (1)
- Type of National Contact:** 'Select region' dropdown (2)
- Date of record:** 'Type of National Contact' dropdown (3)
- Keyword search:** 'Date of record' dropdown (4)
- Keyword search:** 'Enter keywords. Separate words with AND or OR.' input field (5)

At the bottom are 'Browse all records >' and 'Search >' buttons.

Figure 16

On the **Search for National Contacts** page there are several search criteria boxes:

1. Country: Selection list field for selecting a country
2. Region: Selection list field for selecting a region
3. Type of National Contact: Selection list field for narrowing the search results to specific types of national contacts
4. Date of record: Date field for narrowing the search results to a time interval
5. Keyword search: Keyword field for narrowing the results by keyword

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

**Example 1:** A user may wish to identify the emergency measures contact points in Paraguay for issues related to unintentional transboundary movements of LMOs or emergency measures. By selecting Paraguay from the **Country** field and ‘Emergency Measures (Article 17) Contact Point’ from the **Type of National Contact** drop down menu, the user narrows the search results to the records most likely to provide the needed information.

## Finding information in the BCH Central Portal

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Geographical areas

Select a country  
Paraguay

Type of National Contact

Date of record

Keyword search

Search Now »

Browse all records »

Search Now » (circled)



Figure 17

When the **Search** button is clicked on, a page of **search results** shows which National Contacts in Paraguay have some responsibility for emergency measures. Clicking on the name of the focal point opens the record that contains the details for that national contact.

Home | Finding Information | Search results

### Search results

Record 1 to 1 of 1

ID	Record holder and type
9851	Paraguay National Focal Point <a href="#">Maria Cristina Torres</a> Cartagena Protocol on Biosafety National Focal Point, Emergency Measures (Article 17) Contact Point

[Home](#) | [Finding Information](#) | Record

### National Focal Point

Record information and status

Record ID	9851
Status	Published
Date of creation	2005-07-18 14:35 GMT (bchadmin@biodiv.org)
Date of last update	2009-10-16 05:00 GMT (bchadmin@biodiv.org)
Owner	bchadmin@biodiv.org

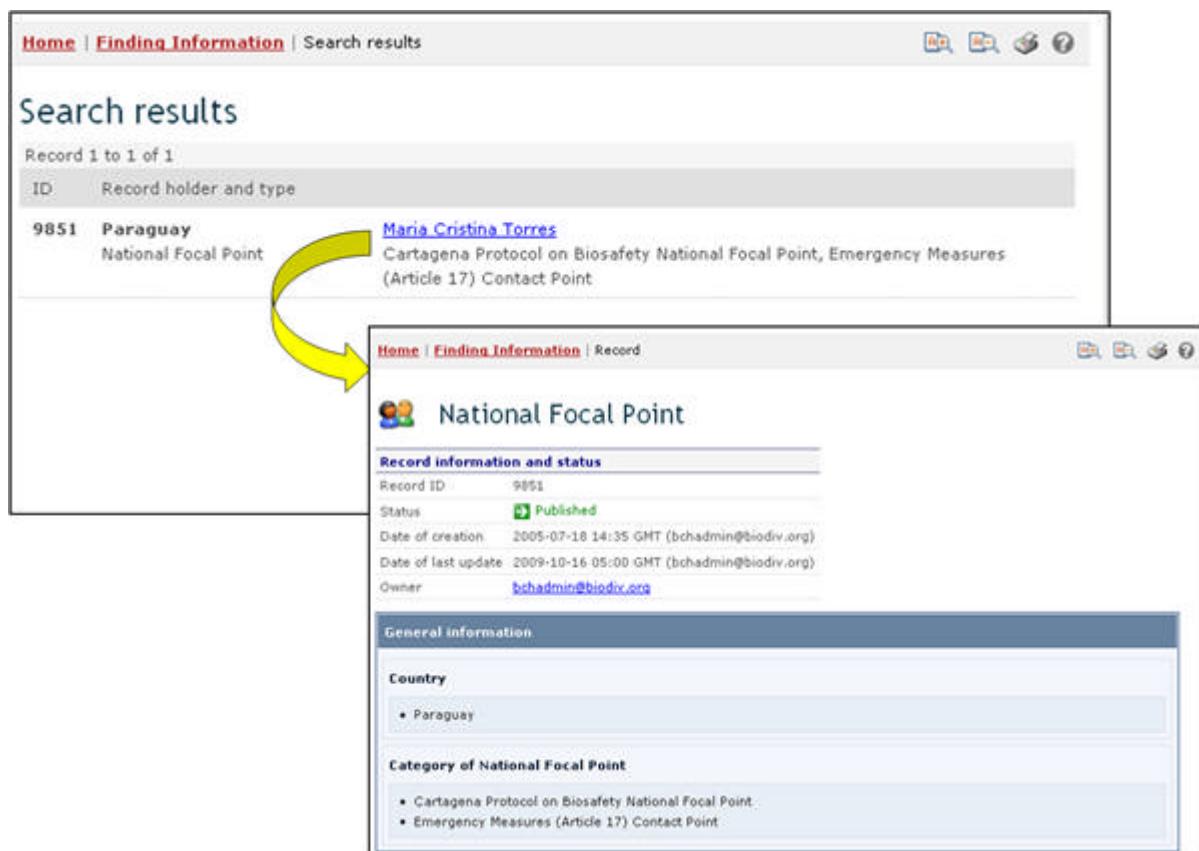
General information

Country

- Paraguay

Category of National Focal Point

- Cartagena Protocol on Biosafety National Focal Point
- Emergency Measures (Article 17) Contact Point



*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 18

**Example 2:** A user may wish to identify all of the BCH Focal Points in countries that are members of the Association of Southeast Asian Nations (ASEAN). The user selects Asia-Pacific - Association of Southeast Asian Nations in the **Region** box and Biosafety Clearing-House Focal Point in the **Type of National Contacts** box. Clicking on the **Search** button displays a set of results showing the BCH Focal Points in the countries that are members of ASEAN.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

**Search Now >**

Select a country <input type="text" value="&lt;Any&gt;"/>	
Select country group (optional) <input type="text" value="Americas - North American countries"/> <input type="text" value="Americas - South American countries"/> <input type="text" value="Americas - The Caribbean Community (Caricom)"/> <b>Asia-Pacific - Association of Southeast Asian Nations</b> <input type="text" value="Asia-Pacific - Central Asian countries"/> <input type="text" value="Asia-Pacific - East Asian countries"/> <input type="text" value="Asia-Pacific - Economic and Social Commission for Asia and the Pacific"/> <input type="text" value="Asia-Pacific - Economic and Social Commission for Western Asia"/>	
<small>Please use Control-key to select multiple values</small>	
<input type="text" value="&lt;All&gt;"/> <input type="text" value="All National Focal Points (CPB, BCH, Art 17, CBD)"/> <b>- Biosafety Clearing-House Focal Point</b> <input type="text" value="- Cartagena Protocol on Biosafety National Focal Point"/> <input type="text" value="- Cartagena Protocol on Biosafety Secondary National Focal Point"/> <input type="text" value="- CBD National Focal Point"/> <input type="text" value="- Emergency Measures (Article 17) Contact Point"/> <input type="text" value="All Competent National Authorities (AIA, A11, Cont.use, Handling..."/>	
<small>Please use Control-key to select multiple values</small>	

Figure 19

Home | Finding Information | Search results



## Search results

Record 1 to 10 of 10

ID	Record holder and type
8633	Brunei Darussalam National Focal Point
45313	Cambodia National Focal Point
8726	Indonesia National Focal Point
8764	Lao People's Democratic Republic National Focal Point
9667	Malaysia National Focal Point
11562	Myanmar National Focal Point

**Ministry of Development**  
Biosafety Clearing-House Focal Point

**National Focal Point**

**Record information and status**

Record ID: 8633  
Status: Published  
Date of creation: 2005-03-23 21:52 GMT (bchadmin@biodiv.org)  
Date of last update: 2008-02-21 05:00 GMT (bchadmin@biodiv.org)  
Owner: bchadmin@biodiv.org

**General information**

**Country**

- Brunei Darussalam

**Category of National Focal Point**

- Biosafety Clearing-House Focal Point

**Person Details**

**Coordinates**

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 20

## 2.3 Laws and Regulations

URL: <http://bch.cbd.int/database/laws/>

Under the Cartagena Protocol, Parties are responsible for making available through the BCH information about their relevant laws and regulations.

The search page for information about **Laws and Regulations** can be accessed from the link in the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu on the **Finding Information** page, or from the **Laws and Regulations** link in the text of that page.

Figure 21

This database enables users to search for:

1. National Laws;
2. National Regulations;
3. National Guidelines;
4. Bilateral Agreements;
5. Multilateral Agreements; and
6. Regional Agreements.

On the **Search for Laws and Regulations** page there are several search criteria boxes:

1. Country: Selection list field for selecting a country
2. Region: Selection list field for selecting a region
3. Type of Laws or regulations: Selection list field for narrowing the search results to specific types of laws and regulations
4. Subject area: Selection list field for narrowing the search results to specific subject areas
5. Date of record: Date field for narrowing the search results to a time interval
6. Keyword search: Keyword field for narrowing the results by keyword

**Finding Information**

- National Contacts
- Laws and Regulations
- Country's Decisions and other Communications
- LMOs, Genes or Organisms
- Roster of Experts
- Capacity-Building
- Biosafety Information Resource Centre (BIRC)
- Scientific Bibliographic Database
- Organizations

**Compiled Information**

- National Contacts
- LMO Registry
- Organism Registry
- Gene Registry

Go to record ID  Go

**Search for Laws and Regulations**

On this page you can search for: (i) National Laws (typically laws that have been passed by the national legislative body of a country's government); (ii) National Regulations (typically 'subordinate legislation'; usually of an administrative nature, that is authorized by a national law); (iii) National Guidelines (typically intended to assist with providing ways of complying with national laws, and national regulations.); (iv) Bilateral Agreements (typically agreements between two governments); (v) Multilateral Agreements (typically agreements between three or more governments); and (vi) Regional Agreements (typically agreements that are restricted to a particular region).

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Geographical areas	Select a country <input type="button" value="&lt;Any&gt;"/>	1
	Select region <input type="button" value="&lt;Any&gt;"/>	2
Type of Laws or regulations	<input type="button" value="&lt;All&gt;"/>	3
Subject area	<input type="button" value="&lt;All&gt;"/>	4
Date of record	<input type="button" value="&lt;All&gt;"/>	5
Keyword search	Enter keywords. Separate words with AND or OR. <input type="text"/> <input type="button" value="Browse all records »"/> <input type="button" value="Search »"/>	

Figure 22

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

**Example:** A user wishes to identify national laws and regulations in the Oceania region. Select Asia-Pacific-Oceania in the **Region** box. Select National laws, regulations & guidelines in the **Type of Laws or regulations** box. Click on the **Search** button. The search results are displayed and the user can select any record to study the documentation from specific countries in the region.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Geographical areas	Select a country <input type="button" value="&lt;Any&gt;"/>	1
	Select country group (optional) <input type="button" value="Asia-Pacific - Oceania"/>	2
Type of Laws or regulations	<input type="button" value="- National Laws, Regulations &amp; Guidelines"/>	3
Subject area	<input type="button" value="&lt;All&gt;"/>	4
Date of record	<input type="button" value="&lt;All&gt;"/>	5
Keyword search	Enter keywords. Separate words with AND or OR. <input type="text"/> <input type="button" value="Browse all records »"/> <input type="button" value="Search Now »"/>	

Figure 23

[Home](#) | [Finding Information](#) | Search results

## Search results

Record 1 to 20 of 20

ID	Record holder and type
24	Australia Law, Regulation or Guideline
45292	Kiribati Law, Regulation or Guideline
45293	Kiribati Law, Regulation or Guideline
9951	New Zealand Law, Regulation or Guideline

[Gene Technology Act 2000](#)

[Environment Act 1999 - as amended](#)

[Home](#) | [Finding Information](#) | Record

Law, Regulation or Guideline

**Record information and status**

Record ID: 11345  
Status: Published  
Date of creation: 2005-12-21 20:37 GMT ([andrew.bowers@cbd.int](mailto:andrew.bowers@cbd.int))  
Date of last update: 2006-11-17 00:45 GMT ([kirsty.mdean@cbd.int](mailto:kirsty.mdean@cbd.int))  
Owner: [andrew.bowers@cbd.int](mailto:andrew.bowers@cbd.int)

**General Information**

**Jurisdiction**

- Council of Europe and other signatories

**Title of document**

Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention)

**Legislative details**

**Type of document**

- Multilateral Agreement or Arrangement

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 24

## 2.4 Country's Decisions and other Communication

URL: <http://bch.cbd.int/database/decisions/>

Under the Cartagena Protocol, Parties are responsible for making available through the BCH information regarding their relevant decisions, declarations and other communications.

The search page for information about **Country's Decisions and other Communications** can be accessed from the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu of the **Finding Information** page, or from **Country's Decisions and other Communication** link in the text on that page.

Figure 25

This database enables users to search for decisions and other communication related to:

- Decisions on Contained use of LMOs (Article 6.2)
- Decisions on LMOs for direct use as food or feed, or for processing (Article 11, LMOs-FFPs)
  - Decisions on domestic use of an LMO, including its placing on the market
  - Decisions on import of LMOs
- Decisions on LMOs for intentional introduction into the environment (Article 7-10)
  - Decisions taken in accordance with the Advance Informed Agreement (AIA) procedure specified in Article 10
  - Decisions taken in accordance with your domestic regulatory framework
- Decisions on Pharmaceuticals (Article 5)
- Decisions on Transit of LMOs (Article 6.1)
- Decisions under the Simplified Procedure (Article 13)
- Other decisions, notifications, declarations or communications
  - Communication of information on 'Handling, Transport, Packaging and Identification' (Article 18)
  - Declarations made upon ratification of or accession to the Protocol
  - Declaration that, in the absence of a domestic regulatory framework, decisions on LMOs-FFPs will be taken according to Article 11.6
  - Notifications about illegal transboundary movements of LMOs (Article 25.3)Notification about the unintentional transboundary movement of LMOs (Article 17.1)

- Notifications that a Party does not have access to the Biosafety Clearing-House (Article 11.1)
- Notifications that domestic regulations shall apply with respect to specific imports of LMOs (Article 14.4)
- Risk Assessments

On the **Search for Country's Decisions and Other Communications** page there are several search criteria boxes:

1. Country: Selection list field for selecting a country
2. Region: Selection list field for selecting a region
3. Type of decision, declaration, notification or report: Selection list field for narrowing the search results to specific types of decisions, declarations, notifications or reports
4. Type of living modified organisms: Additional search criteria field to add different search criteria.
5. Date of record: Date field for narrowing the search results to a time interval
6. Keyword search: Keyword field for narrowing the results by keyword

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

The screenshot shows the 'Search for Country's Decisions and other Communications' page. On the left, there is a sidebar with various links such as 'National Contacts', 'Laws and Regulations', 'Country's Decisions and other Communications', 'LMOs, Genes or Organisms', 'Roster of Experts', 'Capacity-Building', 'Biosafety Information Resource Centre (BIRC)', 'Scientific Bibliographic Database', 'Organizations', 'Compiled Information', 'National Contacts', 'LMO Registry', 'Organism Registry', and 'Gene Registry'. Below these are buttons for 'Go to record ID' and 'Go'. The main content area has a heading 'Search for Country's Decisions and other Communications'. It includes a paragraph about the types of decisions and notifications. Below this is a section titled 'Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.' There are six search criteria boxes numbered 1 through 6: 1. 'Select a country' dropdown with '<Any>'. 2. 'Select region' dropdown with '<Any>'. 3. 'Type of decision, declaration, notification or report' dropdown with '<All>'. 4. 'Type of living modified organisms' dropdown with '<All>'. 5. 'Date of record' dropdown with '<All>'. 6. 'Keyword search' input field with placeholder 'Enter keywords. Separate words with AND or OR..'. At the bottom right of the search area, there is a 'Search' button highlighted with a yellow circle. To its left are 'Browse all records' and 'Search' buttons.

Figure 26

Search results are displayed in the **Search results for country's communications** page. Firstly, a set of icons is displayed to the right of each record. These icons indicate which categories of LMO use each record refers to. For example, some records may contain decisions regarding an LMO for use as feed, food and processing, while others may contain a decision about an LMO for introduction into the environment.

## Finding information in the BCH Central Portal

ID	Description	
771	Argentina ACS-ZM003-2 Liberty Link™ Maize	Zea mays Glufosinate
777	Argentina MON-00810-6 YieldGard™ Maize	Zea mays Lepidoptera (butterflies and moths)
789	Argentina SYN-BT011-1 YieldGard™ Maize	Zea mays Lepidoptera (butterflies and moths) Glufosinate

Figure 27

An icon in colors means that the record involves that category of LMO use, while a grey icon indicates that it does not. The meaning of each icon is described in the following table.

	Intentional introduction into the environment
	Direct use as food
	Direct use as feed
	Processing
	Contained use
	Pharmaceutical
	Transit

In addition to the features described in “Managing Search Results” (Section 2.1.2), this results page provides features for grouping and sorting the records in the result list. The grouping feature displays a grouped view of the results by selecting an option in the “Group records by” box. For example, by selecting “Country”, the result list is arranged into folders, so that all records from the same country appear inside a folder labeled with the country name. Clicking on the arrow to the right of the folder will open the folder and show its records.

Group records by and then	Results per page	
Country	25	<a href="#">Export results to CSV file</a>
Sort records by		
LMO		
Novel trait		
Taxonomic Status		
Type of decision		
ID		
Description		

70 record(s) found

	Bulgaria	1 record
	Japan	69 records

Figure 28

The “Sort records by” box allows sorting the records by the specified criteria. Multiple sort stages can be defined by using the additional “and then” fields that appear every time a sorting option is selected. For example, search results may be sorted by country by selecting the “Country” option in the “Sort records by” box; records from the same country can be further sorted by LMO by selecting “LMO” in the “and then” field that appears.

The screenshot shows a search results page with the following configuration:

- Group records by:** (dropdown menu)
- Results per page:** 25 (dropdown menu)
- Export results to CSV file:** (link)
- Sort records by:** Country (dropdown menu)
  - and then: LMO (dropdown menu)
  - and then: (dropdown menu)

Below the configuration, the results table is displayed:

ID	Description	
1193 record(s) found		
<a href="#">765</a>	Argentina	
<a href="#">771</a>	Argentina ACS-ZM003-2 Liberty Link™ Maize	Zea mays Glufosinate 
<a href="#">11814</a>	Argentina DAS-01507-1 Herculex™ I Maize	Zea mays Lepidoptera (butterflies and moths), Glufosinate 
<a href="#">11815</a>	Argentina MON-00021-9 Roundup Ready™ Maize	Zea mays Glyphosate 
<a href="#">783</a>	Argentina MON-00531-6 Bollgard™ insect protected cotton	Gossypium hirsutum Lepidoptera (butterflies and moths), Kanamycin 
<a href="#">7456</a>	Argentina MON-00603-6 NK603 Roundup Ready™ Maize	Zea mays Glyphosate 
<a href="#">43633</a>	Argentina MON-00603-6 x MON-00810-6 Roundup Ready™ YieldGard™ Maize	Zea mays Lepidoptera (butterflies and moths), Glyphosate 

Figure 29

Additionally, the results page contains a box in which the user can select how many records are to be shown in each page. There is also a link to download the search results in CSV (comma separated values) format, so that they can be used and inserted into other documents and handled by other applications.

**Example:** A user wishes to identify all the decisions taken by New Zealand under Article 11 of the Protocol. Select New Zealand in the **Select a country** box. Select Decision on LMOs for direct use as food or feed, or for processing (Article 11, LMOs – FFP) in the **Type of decision, declaration, notification or report** box. Click on the **Search** button.

The search results are displayed as a list of records. Detailed information about each record can be viewed by clicking on the record ID number (in bold blue type).

## Finding information in the BCH Central Portal

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

[Search »](#)

Geographical areas	
Select a country	New Zealand
Select region	<Any>
Type of decision, declaration, notification or report	Decision on LMOs for direct use as food or feed, or for processing
Type of living modified organisms	<All>
Date of record	<All>
Keyword search	Enter keywords. Separate words with AND or OR: <input type="text"/>
<a href="#">Browse all records »</a> <a href="#">Search »</a>	

Figure 30

Home | Finding Information | Search results

Search results for country's communications

Group records by:  Results per page: 25  Export results to CSV file

Sort records by:

ID	Description
187	New Zealand SYN-BT011-1 YieldGard™ Maize
192	New Zealand DD-026005-3 High oleic acid Soybean
203	New Zealand MON-01445-2 Roundup Ready™ Cotto

23 records found

Zea mays

Home | Finding Information | Record

Country's Decision or any other Communication

**Record information and status**

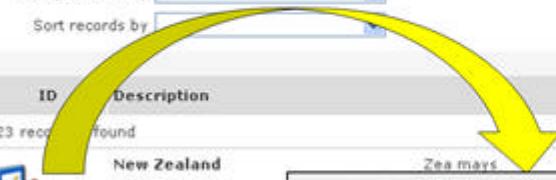
Record ID: 187  
Status: Published  
Date of creation: 2002-08-23 21:56 GMT (Masahiro.MIYAZAKO@oecd.org)  
Date of last update: 2007-07-16 18:20 GMT (bch@biodiv.org)  
Owner: [Masahiro.MIYAZAKO@oecd.org](#)

**General information**

Country submitting the decision or communication: New Zealand

Competent National Authority(ies) responsible for the decision or communication: Food Standard Australia New Zealand [Record #184](#)

Decision or communication details



*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 31

## 2.5 LMOs, Genes and Organisms

URL: <http://bch.cbd.int/database/organisms/>

The Secretariat maintains three registries in the BCH to assist users to access information regarding LMOs as follows:

1. LMO Registry;
2. Gene Registry;
3. Organism Registry.

Each registry contains records with information about LMOs, Genes and Organisms. They can be accessed from the search pages for information about LMOs, Genes or Organisms, which can be found in the **Finding Information** drop down menu on the navigation bar, in the link in the left hand menu of the **Finding Information** page, or in the **LMOs, Genes or Organisms** link in the text of that page.

These registries can be accessed from the search pages explained in this section or can also be used in the form of Compiled Information, which is covered in “Compiled Information” (Section 3).

The screenshot shows the 'Finding Information' section of the BCH website. On the left, there's a sidebar with various links like 'National Contacts', 'Laws and Regulations', and 'Country's Decisions and other'. The 'LMOs, Genes or Organisms' link in this sidebar is circled in orange. The main content area has a heading 'Finding Information' followed by a welcome message. Below it, there are two main sections: 'National Records' and 'Reference Records'. The 'LMOs, Genes or Organisms' link under 'National Records' and the 'LMOs, Genes or Organisms' link under 'Reference Records' are also circled in orange. Other visible links include 'National Contacts', 'LMO Registry', 'Organism Registry', 'Gene Registry', 'Roster of Experts', 'Capacity-Building', 'Biosafety Information Resource Centre (BIRC)', 'Scientific Bibliographic Database', 'Organizations', 'Compiled Information', and 'Go to record ID'.

Figure 32

On the **Search for LMOs, Genes or Organisms** page there are several search criteria boxes:

1. Registries: Selection list field for selecting the registries in which to search for information. This allows the user to select what types of information (LMOs, Genes or Organisms) are to be included in the search results.
2. Type of living modified organism: Additional search criteria field to add more criteria regarding LMOs to

narrow the search results. Only records containing or referencing the specified LMO criteria will be returned. Selecting items in this list will make the following new fields appear:

1. Unique Identifier: Selection list field to specify the unique identifier of the LMO.
2. LMO Identity: Keyword field to search for keywords in the identity part of the LMO records
3. Technique: Selection list to narrow search results to records which match the selected techniques.
3. Type of gene: Additional search criteria field to add more criteria regarding genes to narrow the search results. Only records containing or referencing the specified gene criteria will be returned. Selecting items in this list will make the following new fields appear:
  1. Gene: Selection list to select a specific gene name.
  2. Introduced or modified traits: Selection list to narrow the search results to records which match the selected options.
4. Type of organism: Additional search criteria field to add more criteria regarding organisms to narrow the search results. Only records containing or referencing the specified organism criteria will be returned. Selecting items in this list will make the following new fields appear:
  1. Parental organism (common name): Selection list for specifying an organism by its common name.
  2. Parental organism (scientific name): Selection list for specifying an organism by its scientific name.

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

The screenshot shows the search interface for LMOs, Genes, or Organisms. At the top, there are navigation links: Home, Finding Information, and LMOs, Genes or Organisms. To the right are icons for help, search, and file operations. Below the header is the title "Search for LMOs, Genes or Organisms". A descriptive text explains the search categories: LMO-Unique Identifiers Registry (LMO-UIDs), Gene Registry, and Organism Registry. A note states that if no category is selected, a default value of "all" will be used. The search form contains six fields with dropdown menus and green selection icons, each labeled with a yellow callout number: 1 (Registries), 2 (Type of living modified organism), 3 (Type of gene), 4 (Type of organism), 5 (Date of record), and 6 (Keyword search). A note below the keyword search field says "Enter keywords. Separate words with AND or OR." At the bottom are "Browse all records" and "Search" buttons.

Figure 33

## 2.5.1 LMO - Unique Identifiers Registry

The **LMO - Unique Identifiers Registry** contains all LMO records, which includes information about the transformation event, genetic modification, and the unique identification code (if available). The records provide links to all decisions and risk assessment reports that refer to these organisms.

### Search for LMOs, Genes or Organisms

On this page you can search: (i) The **LMO-Unique Identifiers Registry (LMO-UIDs)**, which 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 that refer to these organisms are provided at the bottom of each LMO record accessible through the registry; (ii) The **Gene Registry**, which provides summary information on gene inserts and characteristics of the genetic modifications of LMOs; and (iii) The **Organism Registry**, which provides summary information on parental, recipient or donor organisms related to the LMOs registered in the BCH.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Registries	<input type="text" value="&lt;All&gt;"/>
Type of living modified organism	<input type="text" value="LMO-Unique Identifiers Registry (LMO-UIDs)"/>
Type of gene	<input type="text" value="&lt;All&gt;"/>

[Search »](#)

Figure 34

To narrow search results to records in the LMO - Unique Identifiers Registry, select that option from the Registries field. Records in the LMOs registry provide the following information:

1. Contact information of the developer, company or applicant;
2. Name and identity of the LMO (trade name);
3. Unique identification (when available);
4. Information about related LMOs;
5. Information on the recipient or parental organism (including Taxonomic name or status, Common name(s) and Point of collection or acquisition);
6. Information about the LMO (including the Transformation event, Techniques used for modification, Gene inserts, Donor organism(s) Point of collection or acquisition of donor organism(s), Introduced or modified traits and description of gene modification);
7. Any other relevant information and references.

Once a record is selected from the registry (either from the search results or from the compiled information registry), its information is displayed on the screen. Three tabs at the top of each LMO record provide links to:

1. LMO information;
2. Decisions on the LMO; and
3. Risk assessments.

## Finding information in the BCH Central Portal

The screenshot shows the 'Finding Information' section of the BCH Central Portal. On the left, there are two columns of links: 'Finding Information' (National Contacts, Laws and Regulations, Country's Decisions and other Communications, LMOs, Genes or Organisms, Roster of Experts, Capacity-Building, Biosafety Information Resource Centre (BIRC), Scientific Bibliographic Database, Organizations) and 'Compiled Information' (National Contacts, LMO Registry, Organism Registry, Gene Registry). The main area displays 'Search results' for 'Modified Organism'. It lists records 1 to 25 of 25, with entries for NMK-89170-9 (ID 14787), NMK-89170-8 (ID 14788), NMK-89170-9 (ID 14789), and NMK-89170-9 (ID 14790). A large yellow arrow points from the search results table to the detailed view of NMK-89170-9.

Figure 35

The **LMO Information** tab displays general information about the LMO, including its name, transformation event, unique identifier, and more data.

The **Decisions on the LMO** tab displays all decisions taken by countries regarding this LMO in a table format. The first column of the table displays the country taking the decision, while the rest of the columns indicate which categories of use of the LMO have been addressed in the decision. If a decision from a country addresses a particular use of the LMO, then a green icon will appear in the column corresponding to that category of use; clicking on that icon will take the user to the record of the decision and display the information about it. If, for example, a country has taken a decision about using the LMO for food, feed and processing, then there will be a green icon under each of those three categories in the row corresponding to that country in the table.

The screenshot shows the 'Decisions on the LMO' tab for NMK-89170-9 - NewLeaf™ Atlantic Potato. The top navigation bar includes 'Home', 'Finding Information', 'Record details', and 'Decisions'. The main content area shows a table with columns: Country, Domestic Use (Food, Feed, Processing), Import (Food, Feed, Processing), Environmental Release, and Other. The 'Decisions on the LMO' tab is selected. The table shows decisions for Canada (green icons for Food, Feed, Processing) and the United States of America (green icons for Food, Feed).

Figure 36

The **Risk Assessments** tab provides a list of all records containing information about risk assessments regarding the LMO selected.

## Unique Identification

The BCH Central Portal uses a unique identification system for living modified organisms to facilitate searching and retrieval of information. Currently, the only existing unique identification system in international use is the OECD Unique Identifier for Transgenic Plants.

The OECD **Unique Identifier** is a simple alphanumeric code that is given to each living modified plant that is approved for commercial use, including for use as food or feed, similar to the ISBN codes used to identify books. The OECD naming system has been designed so that developers of a new transgenic plant can generate an identifier and include it in the dossiers that they forward to national authorities during the safety assessment process. Once approved, national authorities forward the unique identifier to the OECD Secretariat for inclusion in the OECD's product database, from which the information is automatically shared with the Biosafety Clearing-House.

The unique identifier is a nine-digit code, composed of three elements that are separated by dashes (-). These elements are:

1. 2 or 3 alphanumeric digits to designate the applicant;
2. 5 or 6 alphanumeric digits to designate the transformation event;
3. 1 numerical digit for verification (this is intended to reduce errors by ensuring the integrity of the alphanumeric code).

		< Previous   1 2   Next >
ID	Record holder and type	Source
14759	Unique Identification Registry <a href="#">ACS-BN005-8 - InVigor™ Canola</a> Bayer CropScience (Aventis (AgrEvo (Plant Genetic Systems))) Brassica napus - Canola (Argentine) Male sterility, Glufosinate tolerance, Kanamycin resistance	OECD
14839	Unique Identification Registry <a href="#">FLO-00066-8 - Long vase life carnation</a> Florigene Dianthus caryophyllus - Carnations Reduced ethylene synthesis, Sulfonyleurea tolerance	OECD Cont. 1

Figure 37

Two approaches are possible for products created with more than one transformation event (often referred to as “stacked” transformation events), where these transformation events have been previously approved for commercialization. An applicant may choose to generate a novel unique identifier for such products or they may choose to use a combination of the unique identifiers from products previously approved for commercialization.

## 2.5.2 Gene Registry

The **Gene Registry** contains information about gene inserts and characteristics of the modification of LMOs. Records in this registry provide the following information:

1. Name of the gene;
2. Introduced or modified traits;
3. Gene product;
4. Gene function;

5. Information about the donor organism (including reference to the point of collection or acquisition of recipient organism or parental organisms);
6. Additional information.

Conventionally, gene names are written in italics and the proteins typically use the same name as the originating gene but in regular font. For example, the *cry1A(b)* gene produces the Cry1A(b) protein.

### Search for LMOs, Genes or Organisms

On this page you can search: (i) The **LMO-Unique Identifiers Registry (LMO-UUIDs)**, which 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 that refer to these organisms are provided at the bottom of each LMO record accessible through the registry; (ii) The **Gene Registry**, which provides summary information on gene inserts and characteristics of the genetic modifications of LMOs; and (iii) The **Organism Registry**, which provides summary information on parental, recipient or donor organisms related to the LMOs registered in the BCH.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Registries	<All>	<input type="button" value=""/>
Type of living modified organism	<All> LMO Unique Identifiers Registry (LMO-UUIDs) <b>Gene Registry</b> <span style="border: 2px solid red; border-radius: 50%; padding: 2px;"> </span> Organism Registry	<input type="button" value=""/>
Type of gene	<All>	<input type="button" value=""/>

Figure 38

To narrow search results to records in the Gene Registry, select that option from the Registries field.

### 2.5.3 Parent or Donor Organism Registry

The **Parent or Donor Organism Registry** provides summary information on parental, recipient or donor organisms related to the LMOs registered in the BCH Central Portal. Records in this registry provide the following information:

1. Taxonomic name or status;
2. Common name(s);
3. Characteristics related to biosafety;
4. Centre(s) of origin of the organism;
5. Centre(s) of genetic diversity, if known, of the organism;
6. Habitats where the organism may persist or proliferate;
7. Any other relevant information.

## Search for LMOs, Genes or Organisms

On this page you can search: (i) The **LMO-Unique Identifiers Registry (LMO-UIds)**, which 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 that refer to these organisms are provided at the bottom of each LMO record accessible through the registry; (ii) The **Gene Registry**, which provides summary information on gene inserts and characteristics of the genetic modifications of LMOs; and (iii) The **Organism Registry**, which provides summary information on parental, recipient or donor organisms related to the LMOs registered in the BCH.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Registries	<input type="button" value="&lt;All&gt;"/> <input type="button" value="Organism Registry"/>	<input type="button" value="Search"/>
Type of living modified organism	<input type="button" value="&lt;All&gt;"/> <input type="button" value="LMO-Unique Identifiers Registry (LMO-UIds)"/>	
Type of gene	<input type="button" value="&lt;All&gt;"/> <input type="button" value="Organism Registry"/>	

Figure 39

To narrow search results to records in the Organism Registry, select that option from the Registries field.

### 2.5.4 Example on searching the registries

**Example:** A user wishes to identify all the potato modifications that result in resistance to viruses. The user: (i) selects Filter by gene trait in the Type of gene box and then Viruses in the Introduced or modified traits box; and (ii) selects the Filter by common name in the Type of organisms box and then selects Potato in the Parental organism (common name) box.

Clicking on the **Search** button presents the search results, which are displayed as a list of records. Detailed information about each LMO can be viewed by clicking on the title of the record.

## Finding information in the BCH Central Portal

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

[Search »](#)

<b>Registries</b>	<All>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
<b>Type of living modified organism</b>	<All>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
<b>Type of gene</b>	Filter by gene trait	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Introduced or modified traits	- Viruses	<input type="button" value="▼"/>	<input type="button" value="▼"/>
<b>Type of organism</b>	Filter by common name	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Parental organism (common name)	Potato	<input type="button" value="▼"/>	<input type="button" value="▼"/>
<b>Date of record</b>	<All>	<input type="button" value="▼"/>	
<b>Keyword search</b> Enter keywords. Separate words with AND or OR. <input type="text"/>			
		<a href="#">Browse all records »</a>	<a href="#">Search »</a>

Figure 40

The screenshot shows the BCH Central Portal's search results page. At the top, there's a navigation bar with links to Home, Finding Information, and Search results. Below this, a table lists search results for 'Modified Organism'. The first result, 'NMK-89185-6 - Russet Burbank NewLeaf Plus™ Potato', is highlighted. A yellow arrow points from the left side of the screen towards this result. To the right of the table, a detailed view of this specific record is shown in a modal window. The modal has tabs for LMO Information, Decisions on the LMO, and Risk Assessments. The LMO Information tab is active, displaying details like Record ID (14897), Status (Published), Date of creation (2006-06-05 19:40 GMT), Date of last update (2007-10-19 20:13 GMT), and Owner (kirsty.mcdean@bbsrc.ac.uk). The modal also contains sections for Living Modified Organism Identity (LMO name: Russet Burbank NewLeaf Plus™ Potato), Transformation event (R8M721-350), and Unique identifier (NMK-89185-6).

This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.

Figure 41

## 2.6 Roster of Experts

URL: <http://bch.cbd.int/database/experts/>

The Roster of Experts was established by the Conference of the Parties to the Convention on Biological Diversity (COP) when the Protocol was adopted (see Decision EM-1/3). Its purpose is "to provide advice and other support, as appropriate and upon request, to developing country Parties and Parties with economies in transition, to conduct risk assessment, make informed decisions, develop national human resources and promote institutional strengthening, associated with the transboundary movement of LMOs".

The COP-MOP, the governing body of the Protocol, decided that access to the roster of experts will be maintained through the BCH, where nomination forms for the roster are available, so that Parties can nominate experts. Reports on the Roster of Experts database and the voluntary fund are accessible under the reporting section of The Protocol pages. **Module 03 covers access to these reports ('Roster of Experts Annual Reports' in the on-line documentation).**

The search page for the **Roster of Experts** database can be accessed from the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu of the **Finding Information** page or the **Roster of Experts** link in the text of that page. These links take users to the **Search the Roster of Experts** page where they can search for biosafety experts nominated by Governments.

The screenshot shows the Biosafety Clearing-House website interface. At the top, there are language links (Arabic, Chinese, English, Spanish, French, Russian) and account options (Sign Up for an Account, Sign In). The header features the 'Biosafety Clearing-House' logo, the Convention on Biological Diversity logo, and a large globe graphic. The navigation bar includes links for Home, The BCH, The Protocol, Finding Information, Registering Information, Resources, Help, and Country Profiles... A search bar is also present. The main content area is titled 'Finding Information'. It contains two main sections: 'National Records' and 'Reference Records'. Under 'National Records', there are links for National Contacts, Laws and Regulations, and Country's Decisions and other Communications. Under 'Reference Records', there are links for LMOs, Genes or Organisms, Capacity-Building, and Directory of International Organizations involved in Biosafety Activities. On the left sidebar, under 'Finding Information', the 'Roster of Experts' link is highlighted with a red circle. Other links in the sidebar include National Contacts, Laws and Regulations, Country's Decisions and other Communications, LMOs, Genes or Organisms, Capacity-Building, Biosafety Information Resource Centre (BIRC), Scientific Bibliographic Database, Organizations, Compiled Information, National Contacts, LMO Registry, Organism Registry, Gene Registry, and Go to record ID. The 'Roster of Experts' link in the sidebar and the main content area are both circled in red.

Figure 42

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

**Search »**

<b>Geographical areas</b>	Select a country <input type="text" value="&lt;Any&gt;"/>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/> 
	Select region <input type="text" value="&lt;Any&gt;"/>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/> 
<b>Experts</b>	<input type="text" value="&lt;All&gt;"/>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/> 
<b>Main area of expertise</b>	<input type="text" value="&lt;Any&gt;"/>	<input type="button" value="▼"/> <input type="button" value="▼"/> 
<b>Date of record</b>	<input type="text" value="&lt;All&gt;"/>	<input type="button" value="▼"/> 
<b>Keyword search</b>	Enter keywords. Separate words with AND or OR. <input type="text"/>	
	<input type="button" value="Browse all records »"/> <input type="button" value="Search »"/>	

Figure 43

On the **Search the Roster of Experts** page there are several search criteria boxes:

1. Country: Selection list field for selecting a country
2. Region: Selection list field for selecting a region
3. Experts: Additional search criteria field to add more criteria regarding the experts to narrow the search results. Selecting items in this list will make the following new fields appear:
  1. Expert name: keyword field to search by expert name
  2. Nationality: Selection list to narrow search results to experts of the specified nationality
  3. Nominating country: Selection list to narrow search results to experts nominated by the specified country.
4. Main area of expertise: Selection list to narrow search results to experts with the specified main area of expertise.
5. Date of record: Date field for narrowing the search results to a time interval
6. Keyword search: Keyword field for narrowing the results by keyword

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

**Example:** A user wishes to identify experts from Europe who have experience in forestry and risk assessment. The user (i) selects Eurasia – Europe (all countries) in the **Region** box and (ii) enters forestry AND risk assessment in the **Keywords** box.

Clicking on the **Search** button presents the search results. The search results are displayed as a list of records, sorted by country. Detailed information about each expert can be viewed by selecting the expert’s name, which opens the record.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Select a country	
<b>Geographical areas</b>	<input type="button" value="&lt;Any&gt;"/> <span style="float: right;"></span> <span style="float: right;"></span>
Select region	
	<input type="button" value="Eurasia - Europe (all countries)"/> <span style="float: right;"></span> <span style="float: right;"></span>
<b>Experts</b>	<input type="button" value="&lt;All&gt;"/> <span style="float: right;"></span> <span style="float: right;"></span>
<b>Main area of expertise</b>	<input type="button" value="&lt;Any&gt;"/> <span style="float: right;"></span> <span style="float: right;"></span>
<b>Date of record</b>	<input type="button" value="&lt;All&gt;"/> <span style="float: right;"></span> <span style="float: right;"></span>
<b>Keyword search</b>	Enter keywords. Separate words with AND or OR. <input type="text" value="Forestry AND Risk assessment"/>
<input type="button" value="Browse all records &gt;"/> <span style="margin-left: 10px; border: 2px solid orange; padding: 2px;"><input type="button" value="Search &gt;"/></span>	

Figure 44

## Search results

Record 1 to 3 of 3

ID	Record holder and type	Record information and status
100041	Austria Biosafety Expert	<b>Dr. Helmut Gaugitsch</b> Biosafety Expert <small>Umweltbundesamt</small>
100218	Czech Republic Biosafety Expert	<b>Dr. Slavek</b> Biosafety Expert <small>University of Botany, Prague</small>
100298	Norway Biosafety Expert	<b>Dr. Knut</b> Biosafety Expert <small>National Institute of Botany, Oslo</small>

**Biosafety Expert**

**Record information and status**

Record ID: 100041  
 Status: Published  
 Date of creation: 2008-11-07 02:51 GMT ([michael.eckerstorfer@umweltbundesamt.at](mailto:michael.eckerstorfer@umweltbundesamt.at))  
 Date of last update: 2008-11-07 02:51 GMT ([michael.eckerstorfer@umweltbundesamt.at](mailto:michael.eckerstorfer@umweltbundesamt.at))  
 Owner: [helmut.gaugitsch@umweltbundesamt.at](mailto:helmut.gaugitsch@umweltbundesamt.at)

**General information**

**Nominating Government**

- Austria

**Profile of the Expert**

Helmut Gaugitsch studied technical chemistry at the Technical University of Vienna, with graduation as PhD in biotechnology and food chemistry. He joined the Federal Environment Agency Austria in 1991 and worked on ecological risk assessment, monitoring and coexistence of genetically modified organisms (GMO) since. Presently he serves as Head of Unit Landuse & Biosafety at the Federal Environment Agency.  
 Main areas of work: Reviewing of European GMO notifications concerning the risk assessment and monitoring of GMOs, coordination and preparation of studies on environmental effects of GMOs, assistance development and implementation of national, regional and international Regulatory Frameworks for biosafety, National Focal Point for the Cartagena Protocol, environmental effects of landuse, agriculture and forestry.

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 45

## 2.7 Capacity-Building

URL: <http://bch.cbd.int/database/activities/>

Under Article 22 of the Protocol, Parties are required to cooperate in the developing and/or strengthening of human resources and institutional capacity for the effective implementation of the Protocol. Through the

## Finding information in the BCH Central Portal

BCH, Parties and others can access information about capacity-building and other assistance for implementation of the Protocol. In addition, governments can register their capacity-building needs and priorities in the BCH.

The search page for information about capacity building can be accessed from the link on the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu of the **Finding Information** page, or from the **Capacity Building** link in the text of that page.

The screenshot shows the BCH website's 'Finding Information' section. The left sidebar has a 'Capacity-Building' link, which is highlighted with a red circle. The main content area has two sections: 'National Records' and 'Reference Records'. Each section contains several links to specific types of records or databases.

**National Records:**

- National Contacts
- Laws and Regulations
- Country's Decisions and other Communications
- LMOs, Genes or Organisms
- Roster of Experts
- Capacity-Building** (circled in red)
- Biosafety Information Resource Centre (BIRC)
- Scientific Bibliographic Database
- Organizations

**Reference Records:**

- LMOs, Genes or Organisms
- Capacity-Building** (circled in red)
- Directory of International Organizations involved in Biosafety Activities
- Biosafety Information Resource Centre

Figure 46

On the **Search for information on Capacity-Building** page the user can search for:

1. Biosafety Capacity Building Projects;
2. Capacity-Building Opportunities;
3. Capacity-Building Needs and Priorities;
4. Academically - Accredited Biosafety Courses;
5. Outcomes and Lessons Learned

On the **Search for information on Capacity-Building** page there are several search criteria boxes:

1. Type of assistance: Selection list to narrow search results to countries proving or requiring assistance.

2. Country: Selection list field for selecting a country.
3. Region: Selection list field for selecting a region.
4. Capacity building categories: Selection list to narrow search results to records regarding specific categories of capacity building.
5. Project, Opportunities. Needs and Priorities: Additional search criteria field to add more criteria to narrow the search results. Selecting items in this list will make the following new fields appear:
  1. Name of the project: keyword field for searching by project name
  2. Capacity Building areas: Selection list for narrowing the search results by capacity building area
  3. Status: Selection list for narrowing the search results by project status
  4. Type of implementing agency: Selection list for narrowing the search results to records which match the specified types of implementing agency
  5. Lead organization: Keyword field for searching by organization
  6. Source of funding: Selection list for narrowing search results to specific sources of funding
6. Training offered: Additional search criteria field to add more criteria to narrow the search results. Selecting items in this list will make the following new fields appear:
  1. Thematic area: Selection list for narrowing the search results to the specified thematic areas in the training offered
  2. Type of accreditation: Selection list for narrowing the search results to the specified type of accreditation offered
7. Date of record: Date field for narrowing the search results to a time interval
8. Keyword search: Keyword field for narrowing the results by keyword

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

In addition to the features described in “Managing Search Results” (Section 2.1.2), the **Search results** page for Capacity-building provides a feature for sorting records. By selecting an option in the “Sort records by” box, records in the result list will be sorted accordingly. Also, at the end of the page there is an **Export all results to XML** link. This allows the user to download the search results in XML (Extensible Markup Language) format, a standard format useful for sharing data across different systems.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Type of assistance	<All>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/>	<input type="button" value="Search Now »"/> 1
Geographical areas	Select a country		
	<Any>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/>	2
Capacity building categories	Select country group (optional)		
	<Any>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/>	3
Project, Opportunities, Needs and Priorities	<All>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/>	4
Training offered	<All>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/>	5
Date of record	<All>	<input type="button" value="▼"/> <input type="button" value="▼"/> <input type="button" value="▼"/>	6
Keyword search	Enter keywords. Separate words with AND or OR. <input type="text"/>		
	<input type="button" value="Browse all records »"/> <input type="button" value="Search Now »"/> 7		

Figure 47

**Example.** A user wishes to obtain information about capacity building courses in African countries. The user selects (i) CBD Regional Groups - Africa in the **Region** box and (ii) Academically-Accredited Biosafety Courses in the **Capacity building categories** box. Clicking on the **Search** button presents the search results. Information about each of these activities can be accessed by clicking on the record title.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

[Search Now »](#)

Type of assistance	<All>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Geographical areas	Select a country <Any>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Capacity building categories	Select country group (optional) CBD Regional Groups - Africa	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Project, Opportunities, Needs and Priorities	Academically-Accredited Biosafety Courses	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Training offered	<All>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Date of record	<All>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
Keyword search	Enter keywords. Separate words with AND or OR. <input type="text"/>		
<a href="#">Browse all records »</a> <span style="float: right;"><a href="#">Search Now »</a></span>			

Figure 48

Home | Finding Information | Search results

[Home](#) | [Finding Information](#) | [Search results](#)



### Search results

Sort records by [Date of last update](#)

ID	Record holder and type	Source
5 record(s) found		
9693	Biosafety Course	<a href="#">Biosafety and Intellectual Property Rights</a> Kenya University, Nairobi I-CP
9881	Biosafety Course	<a href="#">Home</a>   <a href="#">Finding Information</a>   Record details
15789	Biosafety Course	 <a href="#">Biosafety Course</a>
48315	Biosafety Course	<a href="#">Record information and status</a> Record ID: 9693 Status: Published Date of creation: 2005-06-14 16:37 GMT ( <a href="#">andrew.bowers@cbd.int</a> ) Date of last update: 2005-06-14 16:37 GMT ( <a href="#">machuka@mtsuminet.com</a> ) Owner: <a href="#">machuka@mtsuminet.com</a>

**General information**

**Title of the course**  
Biosafety and Intellectual Property Rights

**Contacts**  
Mr. Jesse Machuka  
Kenya University  
Thika Road, 43844 (Record #11)

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 49

## 2.8 Biosafety Information Resource Centre (BIRC)

URL: <http://bch.cbd.int/database/resources/>

Article 20 of the Protocol establishes the BCH to facilitate the exchange of information and experience with LMOs among Parties in order to assist them in implementing the Protocol. To help fulfill this role, the BCH contains information submitted by Parties, governments and organizations that is relevant to biosafety and implementation of the Protocol.

The **Biosafety Information Resource Centre** (BIRC) contains electronic catalogues of biosafety-related publications and information resources for policymakers, educators, researchers, and the general public. BIRC records may be registered by all BCH account-holders.

The search page for the BIRC can be accessed from the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu of the **Finding Information** page, or from **Biosafety Information Resource Centre** link in the text of that page.

Figure 50

These links enable users to access electronic catalogues of biosafety-related publications and information resources as follows:

1. News services (including email listservs);
2. Online databases and search engines;

3. Reports and case studies;
4. Journals;
5. Newsletters;
6. Teaching materials (including manuals, toolkits and presentations).

On the **Search the Biosafety Information Resource Centre (BIRC)** page there are several search criteria boxes:

1. Publication year: Selection lists to narrow search results by year of publication. The first selection list specifies whether resources published earlier or later than the date specified in the second box are to be considered. If any of the two selection lists is left empty, then this field will not narrow the search results.
2. Thematic area: Selection list to narrow the search results to resources regarding the specified subjects.
3. Type of record: Selection list to specify the types of resources to be included in the search results.
4. Language: Selection list to narrow the search results to resources in the specified languages.
5. Date of record: Date field for narrowing the search results to a time interval
6. Keyword search: Keyword field for narrowing the results by keyword

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

**Publication year** 1 <All> 2

**Thematic area** 3

**Type of record** 4

**Language** 5

**Date of record** 6

**Keyword search** 7

Enter keywords. Separate words with AND or OR.

**Search »**

**Browse all records »**

Figure 51

**Example:** A user wishes to identify articles written recently about liability issues. The user selects (i) later than and 2009 in the **Publication year** boxes and (ii) Liability and redress in the **Thematic area** box. Clicking on the **Search** button, calls up the search results. The results are presented in alphabetical order based on the titles of the articles.

## Finding information in the BCH Central Portal

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

[Search »](#)

Publication year	Later than <input type="text" value="2009"/> <input type="button" value="▼"/>	2009 <input type="button" value="▼"/>
Thematic area	- Liability and redress <input type="button" value="▼"/> <input type="button" value="▼"/>	
Type of record	<All> <input type="button" value="▼"/> <input type="button" value="▼"/>	
Language	<All> <input type="button" value="▼"/> <input type="button" value="▼"/>	
Date of record	<All> <input type="button" value="▼"/>	
Keyword search	Enter keywords. Separate words with AND or OR. <input type="text"/>	
<a href="#">Browse all records »</a> <a href="#">Search »</a>		

Figure 52

[Home](#) | [Finding Information](#) | Search results 

### Search results

Record 1 to 3 of 3

ID	Record holder and type	Delivering Genetically Engineered Crops to Poor Farmers - Recommendations										
101001	Biosafety Information Resource	<a href="#">Home</a>   <a href="#">Finding Information</a>   Record  <h3>Biosafety Information Resource</h3> <p><b>Record information and status</b></p> <table><tr><td>Record ID</td><td>101001</td></tr><tr><td>Status</td><td> Published</td></tr><tr><td>Date of creation</td><td>2010-03-03 20:31 GMT (<a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a>)</td></tr><tr><td>Date of last update</td><td>2010-03-03 20:31 GMT (<a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a>)</td></tr><tr><td>Owner</td><td><a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a></td></tr></table> <p><b>General Information</b></p> <p><b>Title</b></p> <p>Delivering Genetically Engineered Crops to Poor Farmers - Recommendations for Improved Biosafety Regulations in Developing Countries (IFPRI Policy Brief 14)</p> <p><b>Author</b></p>	Record ID	101001	Status	 Published	Date of creation	2010-03-03 20:31 GMT ( <a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a> )	Date of last update	2010-03-03 20:31 GMT ( <a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a> )	Owner	<a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a>
Record ID	101001											
Status	 Published											
Date of creation	2010-03-03 20:31 GMT ( <a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a> )											
Date of last update	2010-03-03 20:31 GMT ( <a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a> )											
Owner	<a href="mailto:andrew.bowers@cbd.int">andrew.bowers@cbd.int</a>											
101005	Biosafety Information Resource											
100974	Biosafety Information Resource											

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 53

## 2.9 Scientific Bibliographic Database

URL: <http://bch.cbd.int/database/bibliographic-references/>

Article 20 of the Protocol establishes the BCH in order to facilitate the exchange of information and experience with LMOs among parties, so as to assist them in implementing the Protocol. To help fulfill this

role the BCH Central Portal contains information submitted by Parties, governments and organizations that is relevant to biosafety and implementation of the Protocol.

In addition to the **Biosafety Information Resource Centre (BIRC)** (Section 2.8), the BCH provides access to a bibliographic collection of scientific articles (full reference + abstract), published in national and international scientific periodicals from 1990 onwards, that are relevant to biosafety and risk assessment of biotechnology. The **Scientific Bibliographic Database** is hosted and managed by the International Centre for Genetic Engineering and Biotechnology (ICGEB) and has been made interoperable with the BCH.

The BCH search page for publications in the **Scientific Bibliographic Database** can be accessed using the link in the **Finding Information** drop down menu on the navigation bar, or the link in the left-hand menu of the **Finding Information** page or **Scientific Bibliographic Database** link in the text of that page.

The screenshot shows the BCH website's 'Finding Information' section. The left sidebar has a 'Funding Information' dropdown menu with several options: National Contacts, Laws and Regulations, Country's Decisions and other Communications, LMOs, Genes or Organisms, Roster of Experts, Capacity-Building, Biosafety Information Resource Centre (BIRC), and Scientific Bibliographic Database. The 'Scientific Bibliographic Database' option is circled in red. The main content area has tabs for Home, Finding Information, Registering Information, Resources, Help, and Country Profiles... The 'Finding Information' tab is selected. Below it, there are two main sections: 'National Records' and 'Reference Records'. Each section contains links to various databases and registries.

Figure 54

On the **Search the Scientific Bibliographic Database on Biosafety** page there are several search criteria boxes:

1. Title: Keyword field to search by publication title.
2. Authors(s): Keyword field to search by authors
3. Publication year: Selection lists to narrow search results by year of publication. The first selection list specifies whether resources published earlier or later than the date specified in the second box are to be considered. If any of the two selection lists is left empty, then this field will not narrow the search results.
4. Date of record: Date field for narrowing the search results to a time interval

## 5. Keyword search: Keyword field for narrowing the results by keyword

See “Using the search pages” (Section 2.1) to learn about types of fields and their operation.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

**Search »**

Title	<b>1</b>	<input type="text"/>
Author(s)	<b>2</b>	<input type="text"/>
Publication year	<b>3</b>	<All> <input type="button" value="▼"/> <input type="button" value="▼"/>
Date of record	<b>4</b>	<All> <input type="button" value="▼"/>
Keyword search	Enter keywords. Separate words with AND or OR. <b>5</b> <input type="text"/>	
<input type="button" value="Browse all records »"/> <input type="button" value="Search »"/>		

Figure 55

**Example:** A user wishes to identify recent scientific articles on gene flow from crops. The user selects (i) later than 2008 in the publication year boxes and (ii) enters gene flow OR outcrossing in the Keyword search. The search results are presented in alphabetical order based on the titles of the articles.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

**Search »**

Title	<input type="text"/>
Author(s)	<input type="text"/>
Publication year	Later than <input type="button" value="▼"/> 2008 <input type="button" value="▼"/>
Date of record	<All> <input type="button" value="▼"/>
Keyword search	Enter keywords. Separate words with AND or OR. gene flow or outcrossing
<input type="button" value="Browse all records »"/> <input type="button" value="Search »"/>	

Figure 56

The screenshot shows a search results page with a yellow arrow highlighting the 'Source' link in the header. Below the header, there is a list of records with titles and abstracts. A specific record is expanded, showing detailed information in a modal window.

**Record information and status:**

- Record ID: 40941
- Status: Published
- Date of creation: 2007-01-29 00:45:00 (ICGEB-NODE)
- Date of last update: 2008-01-25 21:03:00 (ICGEB-NODE)
- Owner: ICGEB-NODE

**General information:**

- Title:** A flexible modelling framework linking the spatio-temporal dynamics of plant genotypes and populations: application to gene flow from transgenic forests.
- Author / Creator:** Kuparinen, A.; Schurr, F. H.
- Date:** 2007
- Rights:** Department of Mathematics and Statistics, University of Helsinki, P.O. Box 68, 00014 University of Helsinki, Finland.
- Source:** Ecological Modelling vol. 202 (3/4) p.476-486

**Cont. ↓**

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 57

Assuming that the user finds a useful article by a certain author, the search can be refined by adding the author's name to the **Author(s)** search box. This will narrow the search results to recent articles by the same author regarding this subject.

## 2.10 Organizations

URL: <http://bch.cbd.int/database/organizations/>

The worldwide and multidisciplinary nature of the Protocol provides a wide stakeholder base for its implementation, extending beyond its Parties. Accordingly, the BCH maintains a database of organizations that are involved in biosafety-related issues.

The search page for information about **Organizations** can be accessed from the **Finding Information** drop down menu on the navigation bar, or from the link in the left-hand menu of the **Finding Information** page or from the **Directory of International Organizations involved in Biosafety Activities** link in the text of that page.

Figure 58

This search page allows users to access information about organizations involved in biosafety and includes summaries of the activities of these organizations and their contact information.

On the **Search for Organizations involved in Biosafety Activities** page are several search criteria boxes:

1. Country: Selection list field for selecting a country
2. Region: Selection list field for selecting a region
3. Organization name: Keyword field for searching by organization name
4. Contact name: Keyword field for searching by organization contact
5. Type of organization: Selection list to narrow search results to organization of the specified types
6. Date of record: Date field for narrowing the search results to a time interval
7. Keyword search: Keyword field for narrowing the results by keyword

**Finding Information**

- National Contacts
- Laws and Regulations
- Country's Decisions and other Communications
- LMOs, Genes or Organisms
- Roster of Experts
- Capacity-Building
- Biosafety Information Resource Centre (BIRC)
- Scientific Bibliographic Database
- Organizations

**Compiled Information**

- National Contacts
- LMO Registry
- Organism Registry
- Gene Registry

**Go to record ID**

[Home](#) | [Finding Information](#) | [Organisations](#)

## Search for Organisations involved in Biosafety Activities

On this page you can access information about **international organizations** involved in activities relevant to implementation of the Biosafety Protocol with summaries of their activities and contact information.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Geographical areas	Select a country <input type="button" value="Select a country"/> <Any> <span style="float: right;">1</span>	
	Select region <input type="button" value="Select region"/> <Any> <span style="float: right;">2</span>	
	Organization name <input type="text"/> <span style="float: right;">3</span>	
	Contact name <input type="text"/> <span style="float: right;">4</span>	
	Type of organization <input type="button" value="Type of organization"/> <All> <span style="float: right;">5</span>	
	Date of record <input type="button" value="Date of record"/> <All> <span style="float: right;">6</span>	
	Keyword search <input style="width: 100%;" type="text"/> <span style="float: right;">7</span>	

Figure 59

**Example:** A user wishes to identify government organizations that work with farmers. The user: (i) selects Government agency in the **Type of organization** box and (ii) types farmer OR agriculture into the **Keyword search** box. The results indicate a number of organizations.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

Geographical areas	Select a country <input type="button" value="Select a country"/> <Any> <span style="float: right;">1</span>	
	Select region <input type="button" value="Select region"/> <Any> <span style="float: right;">2</span>	
Organization name	<input type="text"/>	
Contact name	<input type="text"/>	
Type of organization	<input type="button" value="Type of organization"/>	Government agency <span style="float: right;">3</span>
Date of record	<input type="button" value="Date of record"/>	<All> <span style="float: right;">4</span>
Keyword search	Enter keywords. Separate words with AND or OR. <input style="width: 100%;" type="text"/> farmer OR agriculture <span style="float: right;">5</span>	

Figure 60

## Finding information in the BCH Central Portal

The screenshot shows the BCH Central Portal's search interface. At the top, there are links for 'Home', 'Finding Information', and 'Search results'. Below this is a 'Search results' section with a table of records. A yellow arrow points from the 'Record holder and type' column to a detailed view of record 15893. The detailed view shows the organization's name, status, creation date, last update date, and owner. It also includes sections for 'General information' and 'Coordinates'.

ID	Record holder and type	Details
15893	Organization	State Environmental Protection Administration (China) Government agency
15904	Organization	US Dept. of State Bureau Government
15906	Organization	Danish Government
15933	Organization	National Government
16340	Organization	Biotech Government

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 61

To change the search to projects linked to the private sector, the user selects industry in the type of organization box.

Choose fields as needed to narrow search results. If no category is selected to narrow the search for a particular field, a default value of "all" will be used.

[Search »](#)

<b>Geographical areas</b>	Select a country <input type="text" value="&lt;Any&gt;"/> <a href="#">▼</a> <a href="#">▼</a>
	Select region <input type="text" value="&lt;Any&gt;"/> <a href="#">▼</a> <a href="#">▼</a>
<b>Organization name</b>	<input type="text"/>
<b>Contact name</b>	<input type="text"/>
<b>Type of organization</b>	<input type="text" value="&lt;All&gt;"/> <a href="#">▼</a> <a href="#">▼</a>
<b>Date of record</b>	<input type="text" value="&lt;All&gt;"/> <a href="#">▼</a>
<b>Keyword search</b>	Enter keywords. Separate words with AND or OR. <input type="text" value="industry"/>

[Browse all records »](#) [Search »](#)

Figure 62

[Home](#) | [Finding Information](#) | Search results 

## Search results

Record 1 to 21 of 21

ID	Record holder and type
15846	Organization <a href="#">International Seed federation (ISF)</a> Non-governmental organization (NGO)
15867	Organization <a href="#">Monsanto Company</a> Private sector (business and industry)
15868	Organization <a href="#">Novartis International AG</a> Private sector (business and industry)
15915	Organization <a href="#">Center for Biological Informatics (CBI) of the U.S. Geological Survey - National Biological Information Infrastructure</a> Government agency
15954	Organization <a href="#">Wageningen University and Research Centre, Plant Research International</a> Academic or research institute

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 63

### 3 Compiled Information

URL: <http://bch.cbd.int/database/>

The *Compiled Lists* of information are maintained and regularly updated by the BCH for the following categories of data: National Contacts, LMOs, Organisms and Genes. Unlike information accessible through the search pages, compiled information is provided in a list format, and is easily accessible either on the screen or in a PDF file.

Access to the compiled lists of information is provided from the link in the **Finding Information** drop down menu on the navigation bar or from the link in the left-hand menu of the **Finding Information** page.

The screenshot shows the 'Finding Information' page of the BCH Central Portal. The left sidebar has a 'Compiled Information' section highlighted with an orange circle. The main content area displays sections for 'National Records' and 'Reference Records'. The 'National Records' section includes links for 'National Contacts', 'LMO Registry', 'Organism Registry', and 'Gene Registry'. The 'Reference Records' section includes links for 'LMOs, Genes or Organisms', 'Capacity-Building', and 'Directory of International Organizations involved in Biosafety Activities'.

Figure 64

#### 3.1 National Contacts Compiled List

URL: <http://bch.cbd.int/database/contacts/focalpoints.shtml>

Access to the compiled lists of national contacts can be obtained using the **National Contacts** link in the left-hand menu of the **Finding Information** page or in the **Finding Information** drop down menu on the navigation bar of the BCH Central Portal.

These links take users to the **National Contacts & Competent Authorities** page, which provides links to complied lists of:

1. Cartagena Protocol National Focal Points;
2. Biosafety Clearing-House National Focal Points;
3. Emergency Measures Contact Points (Article 17); and
4. Competent National Authorities.

These compiled lists are updated weekly.

**Finding Information**

- National Contacts
- Laws and Regulations
- Country's Decisions and other Communications
- LMOs, Genes or Organisms
- Roster of Experts
- Capacity-Building
- Biosafety Information Resource Centre (BIRC)
- Scientific Bibliographic Database
- Organizations
- National Contacts** (highlighted with a red circle)
- Bio-registry
- Organism Registry
- Gene Registry

**National Contacts & Competent Authorities**

**National Contacts under the Cartagena Protocol on Biosafety**

This list, updated weekly, includes Cartagena Protocol National Focal Points (CPB-NFPs), Biosafety Clearing-House National Focal Points (BCH-NFPs) and National contact points for unintentional transboundary movements and emergency measures (Article 17 NCPs).

[Download all Biosafety National Contacts in PDF format](#)

**Cartagena Protocol National Focal Points**

National Focal Points (NFPs) are responsible for managing the implementation of the Cartagena Protocol on Biosafety in their countries. Under Article 19 of the Cartagena Protocol, each party shall designate one or more NFPs responsible on its behalf for liaison with the Secretariat.

[Download all Cartagena Protocol National Focal Points in PDF format](#)

**Biosafety Clearing-House (BCH) National Focal Points**

BCH National Focal points are responsible for coordinating the implementation of the BCH. Under Decision BS-1/3 (Article 19 of the Cartagena Protocol) they are also responsible for the Biosafety Clearing-House regarding issues of relevance to the development and functioning of the BCH. Their functions shall include the following roles and responsibilities:

- Active clearance for publishing information registers at the national level of records to make them publicly available
- Liaison with the Secretariat regarding the technical aspects of the Biosafety Clearing-House, as well as provision of advice on further technical improvements to the layout and system specifications
- Facilitation of the development of a network of multilateral implementation process of the Biosafety Clearing-House

[Download all BCH National Focal Points in PDF format](#)

**Emergency Measures Contact Points (Article 17)**

**Secretariat of the Convention on Biological Diversity**

**Cartagena Protocol on Biosafety, Biosafety Clearing-House and Article 17 National Focal Points**

For more information, please contact the Biosafety Clearing-House at:

- 445 Queen Street West, Suite 800  
M4V 1E1, Montréal, Québec, Canada
- Tel: (1-514) 288-2200
- Fax: (1-514) 288-6568
- E-mail: [bch@cbd.int](mailto:bch@cbd.int)
- Web: <http://bch.cbd.int>

29 January 2010

**Argentina**

**Ministerio de Ambiente y Desarrollo Sostenible**

**Algeria**

**Biosafety Clearing-House**

**Ministère de l'Aménagement du territoire et de l'environnement**

**Cartagena Protocol on Biosafety**

**Ministère de l'Aménagement du territoire et de l'environnement**

*This picture was taken on February 2010 with the only purpose of providing an example on the usage of the BCH.*

Figure 65

### 3.2 LMO Registry Compiled List

URL: <http://bch.cbd.int/database/organisms/uniqueidentifiers/default.shtml>

Access to the compiled list of LMOs can be obtained using the **LMO Registry** link in the left hand menu of the **Finding Information** page or in the **Finding Information** drop down menu on the navigation bar of the BCH Central Portal.

The **Living Modified Organism (LMO) Registry** page provides a list of all LMOs registered in the BCH database. Clicking on a record ID number will display the record data. It is also possible to search for specific LMOs in the LMO registry by using the **LMOs, Genes or Organisms** search page.

### 3.3 Organism Registry Compiled List

URL: <http://bch.cbd.int/database/organisms/organismslist.shtml>

Access to the compiled list of organisms can be obtained using the **Organism Registry** link in the left hand menu of the **Finding Information** page or in the **Finding Information** drop down menu on the navigation bar of the BCH Central Portal.

The **Organism Registry** page provides a list of all organisms registered in the BCH database. Clicking on a record ID number will display the record data. It is also possible to search for specific organisms in the organism registry by using the **LMOs, Genes or Organisms** search page.

## 3.4 Gene Registry Compiled List

URL: <http://bch.cbd.int/database/organisms/genes/default.shtml>

Access to the compiled list of genes can be obtained using the **Gene Registry** link in the left hand menu of the **Finding Information** page or in the **Finding Information** drop down menu on the navigation bar of the BCH Central Portal.

The **Gene and DNA Sequence Registry** page provides a list of all genes and DNA sequences registered in the BCH database. Clicking on a record ID number will display the record data. It is also possible to search for specific genes and DNA sequences in the gene registry by using the **LMOs, Genes or Organisms** search page.

## 4 Search using Record ID

URL: <http://bch.cbd.int/database/>

The BCH Central Portal provides a quick search facility which allows users to search for specific records by the official ID number under which the record has been registered in the BCH. The **Go to record ID** search box is located on all pages of the **Finding Information** section at the bottom of the left-hand menu.

Users wishing to access a specific record can enter the record number there and press **Go** to be taken directly to the record.



Figure 66

**Example:** A user looking for Record ID 300 will enter 300 in the **Go to record ID** search box and then press **Go**.

**Finding Information**

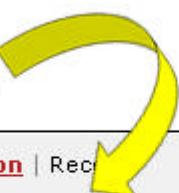
- National Contacts
- Laws and Regulations
- Country's Decisions and other Communications
- LMOs, Genes or Organisms
- Roster of Experts
- Capacity-Building
- Biosafety Information Resource Centre (BIRC)
- Scientific Bibliographic Database
- Organizations

**Compiled Information**

- National Contacts
- LMO Registry
- Organism Registry
- Gene Registry

Go to record ID

Go



[Home](#) | [Finding Information](#) | Rec



## Law, Regulation or Guideline

### Record information and status

Record ID	300
Status	 Published
Date of creation	2003-03-14 22:58 GMT ( <a href="mailto:Liina.Eek-Piirsoo@ekm.envir.ee">Liina.Eek-Piirsoo@ekm.envir.ee</a> )
Date of last update	2009-08-31 05:00 GMT ( <a href="mailto:giovanni.ferraiolo@cbd.int">giovanni.ferraiolo@cbd.int</a> )
Owner	<a href="mailto:hardo.lillevali@envir.ee/1595">hardo.lillevali@envir.ee/1595</a>

### General Information

#### Country

- Estonia

#### Jurisdiction

- Estonia

#### Title of document

*This picture was taken on February 2010 with the only purpose of providing an example on the usage*

*of the BCH.*

Figure 67