How to use the online tools to make batch queries in the EPPO Global Database?
- Guidelines -

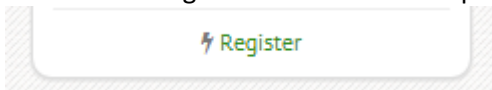## Contents

In order to use the online tools that will allow you to make batch queries in the EPPO Global Database, the first step is to become a **registered user** of the database (**free and simple procedure**). Once you have created your account, you will just have to login when returning to Global Database and start your queries. These online tools are very simple to use and do not require any particular IT knowledge.
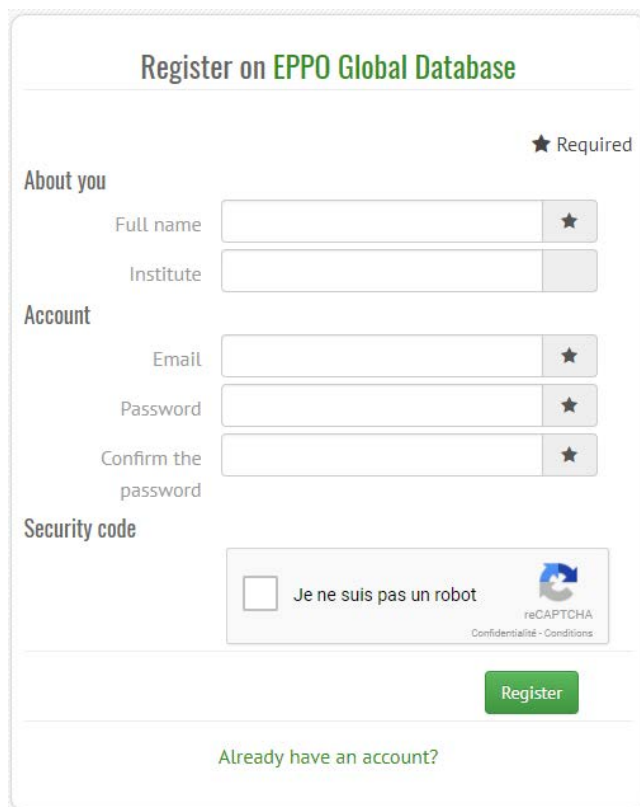
Registering on the EPPO Global Database (new user)

In order to register, please follow the following steps:

- Click on the 'register' button on the top right of the Database home screen.

- In the new page, please enter your details in the relevant fields.

- Once you have finished entering your personal details and password, simply click on the green 'register' button. You are now registered and will access the homepage associated with your profile (**dashboard**).
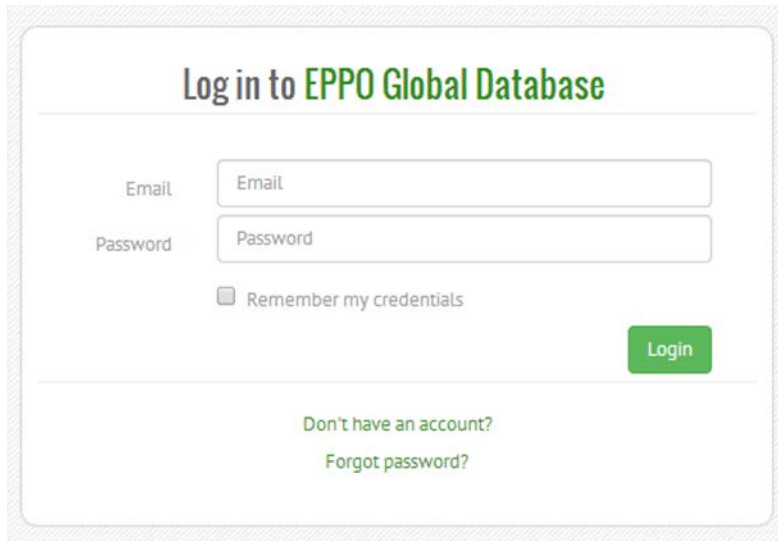
Logging in (already registered user)

You have already registered on EPPO Global Database and you want to start batch queries:
- click on the 'login' button on the top right of the Database home screen
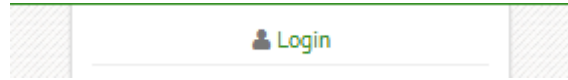
● Login

- enter your email and password (if you wish, tick the box 'Remember my credentials' to be recognized automatically at your next visit).

Log in to **EPPO Global Database**

Email	Email
Password	Password

☐ Remember my credentials

Login

Don't have an account?

Forgot password?

If you have lost your password, click on 'Forgot password?' to receive an email with a link allowing you to reset your password.

Necessary tools are in your dashboard

On your dashboard, choose one of the 'Online tools' and follow the online instructions.

Batch query for a **long** list of names/codes.

Batch query for a **short** list of names/codes.

Batch query for a short list of names/EPPO Codes: use 'Quick search' button

If your batch query only contains a short list of names or Codes (one name/code per line), the quick search function can be used to:

- Get a preferred name from an EPPO Code
- Get an EPPO Code from a preferred scientific name
- Get an EPPO Code from a scientific name (preferred name or synonym)

The instructions are given online as follows:

1) Choose the function you need in the "Function" combobox.
2) Paste your short list of EPPO Codes or names in the box "Enter your text"
3) Click on the Process button.

Examples of quick searches:

In this example, we have obtained a list of Codes from a list of preferred scientific names.

In this example, we have obtained a list of preferred scientific names from a list of EPPO Codes.

Batch query for a long list of names/EPPO Codes: use 'Excel' button

If your batch query contains a long list of names or EPPO Codes, it is recommended to prepare this list in the format of an Excel file and to use the online tool 'Excel'.

The instructions are given online as follows:

1) First prepare your list in an Excel file.
2) Upload this Excel file.
3) Click on 'Apply a function' button.
4) Select the appropriate worksheet within the Excel file.
5) Select the input column (which contains your initial list)
6) Select the output column.
7) Select the function you need.
8) Wait until the system has processed your file (usually only a few seconds).
9) Download the resulting Excel file.

The following functions are available:

- Input a preferred name to get an EPPO Code
- Input a preferred name or a synonym to get an EPPO Code
- Input an EPPO Code to get a preferred name
- Input an EPPO Code to get synonyms and common names
- Input an EPPO Code to get the taxonomic position
- Input an EPPO Code to get a list of host plants (when additional information on this pest is available in the database)
- Input an EPPO Code to get the main category (when additional information on this pest is available in the database)
- Input an EPPO Code to get the categorization (when additional information on this pest is available in the database)

Please note that the last three functions search for data beyond the EPPO coding system itself (Codes/names/taxonomy) and can provide additional information for pests of regulatory interest that are documented in the EPPO Global Database. With these functions and for this limited number of pests, you can obtain their lists of host plants, the main category (e.g. insect, fungi, bacteria) to which they belong, and their phytosanitary categorization (e.g. quarantine pests listed by various countries or recommended for regulation by EPPO and other RPPOs).
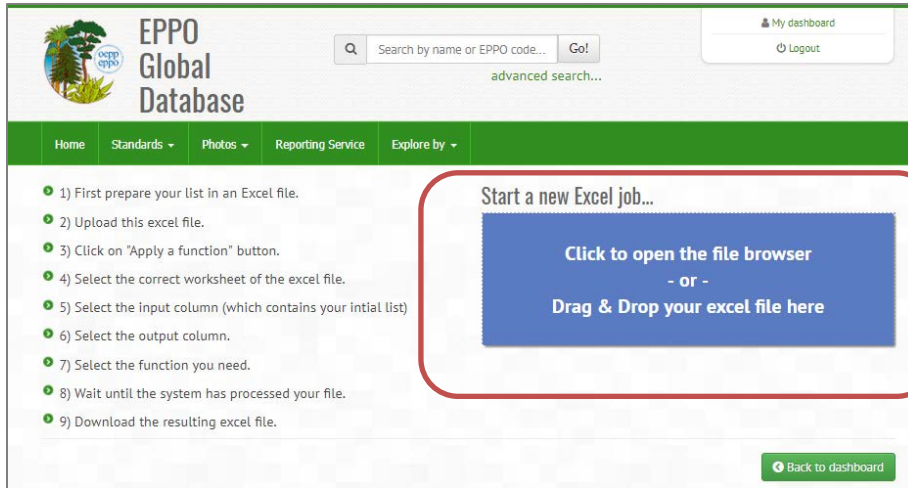
Upload your Excel file here (drag and drop in this blue box or click on it to open your file manager).
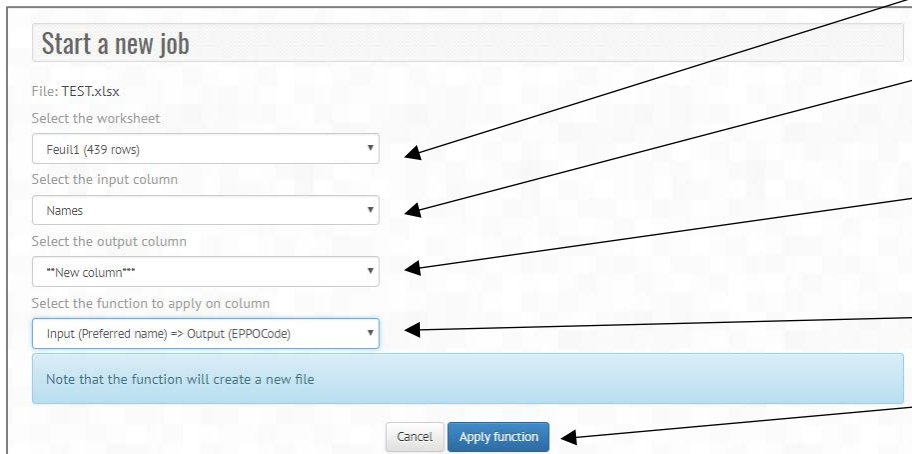
Select the worksheet.

Select the input column.

Select the output column (a new column or an existing one).

Select the function.

Click on the blue button.

You will then be able to see your original Excel file and a new Excel file which will contain the results of your query:
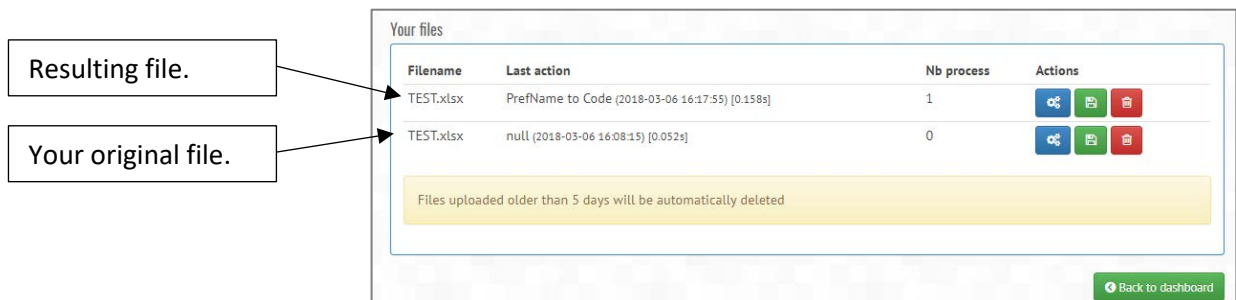
Resulting file.

Your original file.

Apply function

Download file

Delete file

Example of a batch query using an Excel file (here a simple file with 2 columns: 'Any other data' and 'Names' and 15 lines, but your file can contain as many columns/lines as you wish) and the function: input a list of scientific names to get EPPO Codes.

	Any other data	Names		EPPOCode
1	Any other data	Names		EPPOCode
2	XXX	Aculops fuchsiae		ACUPFU
3	XXX	Eotetranychus lewisi		EOTELE
4	XXX	Eutetranychus orientalis		EUTEOR
5	XXX	Oligonychus perditus		OLIGPD
6	XXX	Acidovorax citrulli		PSDMAC
7	XXX	Burkholderia caryophylli		PSDMCA
8	XXX	Clavibacter michiganensis subsp. insidiosus		CORBIN
9	XXX	Clavibacter michiganensis subsp. michiganensis		CORBMI
10	XXX	Clavibacter michiganensis subsp. sepedonicus		CORBSE
11	XXX	Coconut lethal yellowing phytoplasma		PHYP56
12	XXX	Curtobacterium flaccumfaciens pv. flaccumfaciens		CORBFL
13	XXX	Dickeya chrysanthemi		ERWICH
14	XXX	Dickeya dianthicola		ERWICD
15	XXX	Erwinia amylovora		ERWIAM

New column containing the results of the query (in this example: get EPPO Codes).

You can apply several functions in a successive way to your Excel file. In the example below, another function 'Input an EPPO Code to get the main category' to the file obtained after our first query above (get an EPPO Code) has been applied.

Second query results (main category).

First query results (EPPO Codes).

Original file.

Your files

Filename	Last action	Nb process	Actions
TEST.xlsx	Code to Main category (2018-03-06 16:42:11) [0.177s]	2	
TEST.xlsx	PrefName to Code (2018-03-06 16:17:55) [0.158s]	1	
TEST.xlsx	null (2018-03-06 16:08:15) [0.052s]	0	

Files uploaded older than 5 days will be automatically deleted

◀ Back to dashboard

	Any other data	Names		EPPOCode	Main category
1	Any other data	Names		EPPOCode	Main category
2	XXX	Aculops fuchsiae		ACUPFU	Acari
3	XXX	Eotetranychus lewisi		EOTELE	Acari
4	XXX	Eutetranychus orientalis		EUTEOR	Acari
5	XXX	Oligonychus perditus		OLIGPD	Acari
6	XXX	Acidovorax citrulli		PSDMAC	Bacteria
7	XXX	Burkholderia caryophylli		PSDMCA	Bacteria
8	XXX	Clavibacter michiganensis subsp. insidiosus		CORBIN	Bacteria
9	XXX	Clavibacter michiganensis subsp. michiganensis		CORBMI	Bacteria
10	XXX	Clavibacter michiganensis subsp. sepedonicus		CORBSE	Bacteria
11	XXX	Coconut lethal yellowing phytoplasma		PHYP56	Bacteria
12	XXX	Curtobacterium flaccumfaciens pv. flaccumfaciens		CORBFL	Bacteria
13	XXX	Dickeya chrysanthemi		ERWICH	Bacteria
14	XXX	Dickeya dianthicola		ERWICD	Bacteria
15	XXX	Erwinia amylovora		ERWIAM	Bacteria

New column containing the results of the query (in this example: get main category).

For some functions, you will be asked to select options on the type of outputs you prefer

Options for synonyms/common names: you can select the language and the type of separator (linebreak, ; , |) to be used in the resulting Excel file (as there may be several synonyms or common names given to a single organism).

	Any other data	Names		EPPOCode	Synonyms_en
1					
2	XXX	Aculops fuchsiae		ACUPFU	fuchsia gall mite
3	XXX	Eotetranychus lewisi		EOTELE	Lewis spider mite
4	XXX	Eutetranychus orientalis		EUTEOR	citrus brown mite;citrus mite;lowveld citrus mite;oriental mite;oriental red mite;oriental spider mite
5	XXX	Oligonychus perditus		OLIGPD	
6	XXX	Acidovorax citrulli		PSDMAC	
7	XXX	Burkholderia caryophylli		PSDMCA	bacterial stem crack of carnation;bacterial wilt of carnation
8	XXX	Clavibacter michiganensis subsp. insidiosus		CORBIN	bacterial blight of lucerne;bacterial root rot of lucerne;bacterial wilt of lucerne;vascular wilt of lucerne
9	XXX	Clavibacter michiganensis subsp. michiganensis		CORBMI	bacterial canker of tomato;bird's eye of tomato fruits;vascular wilt of tomato
10	XXX	Clavibacter michiganensis subsp. sepedonicus		CORBSE	bacterial ring rot of potato;ring rot of potato;vascular wilt of potato
11	XXX	Coconut lethal yellowing phytoplasma		PHYP56	bronze leaf wilt of coconut;lethal yellowing of coconut
12	XXX	Curtobacterium flaccumfaciens pv. flaccumfaciens		CORBFL	bacterial tan spot of bean;bacterial tan spot of soybean;bacterial wilt of bean;vascular wilt of bean
13	XXX	Dickeya chrysanthemi		ERWICH	bacterial wilt of ornamentals
14	XXX	Dickeya dianthicola		ERWICD	bacterial stunt of carnation;bacterial wilt of carnation;bacterial wilt of dahlia;blackleg of potato;slow wilt of carnation
15	XXX	Erwinia amylovora		ERWIAM	fireblight;fire blight;twig blight of apple

In the example above, the options: common names in English, separated by a semicolon (;) have been selected.

Options for taxonomy, you can choose the output column to display either:

- Preferred names only
- EPPO Codes only
- Preferred names + EPPO Codes

	Any other data	Names	EPPOCod	Kingdom	Phylum	Subphylum	Class	Subclass	Order	Suborder	Family	Subfamily	Genus	Species
1														
2	XXX	Aculops fuchsiae	ACUPFU	Animalia	Arthropoda	Chelicerata	Arachnida		Acarida		Eriophyidae		Aculops	Aculops fuchsiae
3	XXX	Eotetranychus lewisi	EOTELE	Animalia	Arthropoda	Chelicerata	Arachnida		Acarida		Tetranychidae		Eotetranychus	Eotetranychus lewisi
4	XXX	Eutetranychus orientalis	EUTEOR	Animalia	Arthropoda	Chelicerata	Arachnida		Acarida		Tetranychidae		Eutetranychus	Eutetranychus orientalis
5	XXX	Oligonychus perditus	OLIGPD	Animalia	Arthropoda	Chelicerata	Arachnida		Acarida		Tetranychidae		Oligonychus	Oligonychus perditus
6	XXX	Acidovorax citrulli	PSDMAC	Bacteria	Proteobacteria		Betaproteobacteria		Burkholderiales		Comamonadaceae		Acidovorax	Acidovorax citrulli
7	XXX	Burkholderia caryophylli	PSDMCA	Bacteria	Proteobacteria		Betaproteobacteria		Burkholderiales		Burkholderiaceae		Burkholderia	Burkholderia caryophylli
8	XXX	Clavibacter michiganensis subsp. insidiosus	CORBIN	Bacteria			Actinobacteria		Actinomycetales		Microbacteriaceae		Clavibacter	Clavibacter michiganensis subsp. insidiosus
9	XXX	michiganensis	CORBMI	Bacteria			Actinobacteria		Actinomycetales		Microbacteriaceae		Clavibacter	Clavibacter michiganensis subsp. michiganensis
10	XXX	Clavibacter michiganensis subsp. sepedonicus	CORBSE	Bacteria			Actinobacteria		Actinomycetales		Microbacteriaceae		Clavibacter	Clavibacter michiganensis subsp. sepedonicus
11	XXX	Coconut lethal yellowing phytoplasma	PHYP56	Bacteria	Tenericutes		Mollicutes		Acholeplasmatales		Acholeplasmataceae		Phytoplasma	Coconut lethal yellowing phytoplasma
12	XXX	flaccumfaciens	CORBFL	Bacteria			Actinobacteria		Actinomycetales		Microbacteriaceae		Curtobacterium	Curtobacterium flaccumfaciens pv. flaccumfaciens
13	XXX	Dickeya chrysanthemi	ERWICH	Bacteria	Proteobacteria		Gammaproteobacteria		Enterobacteriales		Enterobacteriaceae		Dickeya	Dickeya chrysanthemi
14	XXX	Dickeya dianthicola	ERWICD	Bacteria	Proteobacteria		Gammaproteobacteria		Enterobacteriales		Enterobacteriaceae		Dickeya	Dickeya dianthicola
15	XXX	Erwinia amylovora	ERWIAM	Bacteria	Proteobacteria		Gammaproteobacteria		Enterobacteriales		Enterobacteriaceae		Erwinia	Erwinia amylovora

In the example above, the option 'preferred name' has been selected.

Options for host plants, you can choose the output column to display either:

- Preferred names only
- EPPO Codes only

As for some pests, the EPPO Global Database may provide an estimate of the importance of their host plants (i.e. indicate whether they are major, minor, incidental ...), this data can also be retrieved.

	Any other data	Names	EPPOCode	Hosts
1				
2	XXX	Aculops fuchsiae	ACUPFU	Fuchsia hybrids (Major); Fuchsia (Minor); Fuchsia magellanica (Minor)
3	XXX	Eotetranychus lewisi	EOTELE	Euphorbia pulcherrima (Major); Carica papaya (Minor); Citrus (Minor); Citrus limon (Minor); Citrus sinensis (Minor); Euphorbia mar
4	XXX	Eutetranychus orientalis	EUTEOR	Citrus limon (Major); Citrus reticulata (Major); Citrus sinensis (Major); Citroncirus (Minor); Citrus (Minor); Citrus paradisi (Minor); F
5	XXX	Oligonychus perditus	OLIGPD	Chamaecyparis pisifera (Major); Juniperus chinensis (Major); Platycladus orientalis (Major); Chamaecyparis (Minor); Cryptomeria j
6	XXX	Acidovorax citrulli	PSDMAC	Citrullus lanatus (Major); Cucumis melo (Major); Cucumis sativus (Minor); Cucurbita moschata (Minor); Cucurbita pepo (Minor); Pip
7	XXX	Burkholderia caryophylli	PSDMCA	Dianthus caryophyllus (Major); Dianthus (Minor); Dianthus allwoodii hybrids (Minor); Dianthus barbatus (Minor); Limonium sinuat
8	XXX	Clavibacter michiganensis subsp. insidiosus	CORBIN	Medicago sativa (Major); Medicago (Minor); Medicago falcata (Minor); Melilotus albus (Minor)
9	XXX	Clavibacter michiganensis subsp. michiganensis	CORBMI	Solanum lycopersicum (Major); Lycopersicon (Minor); Phaseolus vulgaris (Incidental); Pisum sativum (Incidental); Zea mays (Incide
10	XXX	Clavibacter michiganensis subsp. sepedonicus	CORBSE	Solanum tuberosum (Major); Beta vulgaris (Incidental); Solanum lycopersicum (Incidental); Solanum melongena (Artificial)
11	XXX	Coconut lethal yellowing phytoplasma	PHYP56	Cocos nucifera (Major); Arecaceae (Minor); Cocos (Minor); Phoenix (Minor); Phoenix canariensis (Minor); Phoenix dactylifera (Min
12	XXX	Curtobacterium flaccumfaciens pv. flaccumfaciens	CORBFL	Phaseolus vulgaris (Major); Dolichos (Minor); Glycine max (Minor); Phaseolus (Minor); Lablab purpureus (Incidental); Phaseolus co
13	XXX	Dickeya chrysanthemi	ERWICH	Dendranthema x grandiflorum (Major); Dianthus caryophyllus (Major); Dahlia hybrids (Minor); Dianthus (Minor); Dieffenbachia ma
14	XXX	Dickeya dianthicola	ERWICD	
15	XXX	Erwinia amylovora	ERWIAM	Cotoneaster bullatus (Major); Cotoneaster dammeri (Major); Cotoneaster lacteus (Major); Cotoneaster lucidus (Major); Cotoneaste

In the example above, the options 'preferred name' and 'indicate host plant classification' have been selected.

Options for the categorization of pests: you can select individual countries (to view national quarantine lists), EU (to view EU regulated pests), EPPO (to view EPPO listed pests), or all (e.g. to view all categorizations contained in the EPPO Global Database).

	Any other data	Names		EPPOCode		Main category		Categorization EPPO
1								
2	XXX	Aculops fuchsiae		ACUPFU		Acari		A2 list
3	XXX	Eotetranychus lewisi		EOTELE		Acari		
4	XXX	Eutetranychus orientalis		EUTEOR		Acari		A2 list
5	XXX	Oligonychus perditus		OLIGPD		Acari		A1 list
6	XXX	Acidovorax citrulli		PSDMAC		Bacteria		A1 list
7	XXX	Burkholderia caryophylli		PSDMCA		Bacteria		A2 list
8	XXX	Clavibacter michiganensis subsp. insidiosus		CORBIN		Bacteria		A2 list
9	XXX	Clavibacter michiganensis subsp. michiganensis		CORBMI		Bacteria		A2 list
10	XXX	Clavibacter michiganensis subsp. sepedonicus		CORBSE		Bacteria		A2 list
11	XXX	Coconut lethal yellowing phytoplasma		PHYP56		Bacteria		A1 list
12	XXX	Curtobacterium flaccumfaciens pv. flaccumfaciens		CORBFL		Bacteria		A2 list
13	XXX	Dickeya chrysanthemi		ERWICH		Bacteria		
14	XXX	Dickeya dianthicola		ERWICD		Bacteria		A2 list
15	XXX	Erwinia amylovora		ERWIAM		Bacteria		A2 list

In the example above, the option 'EPPO' in the list has been selected. Therefore, the resulting file indicates in which EPPO List (e.g. EPPO A1 and A2 lists of pests recommended for regulation as quarantine pests) the pest concerned is included.
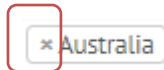
To select a country, several countries or international bodies (i.e. EPPO, EU), click in the white box.

Options for categorization
For which country? (click in the box below to select the country or regional organizations)

Click here

Clear   E.U. countries   EPPO countries

Click here.

You can add as many items as you wish by clicking on the white box again.

Options for categorization
For which country? (click in the box below to select the country or regional organizations)

× EPPO   × Armenia   × Australia   × Burkina Faso   × Reunion   ×

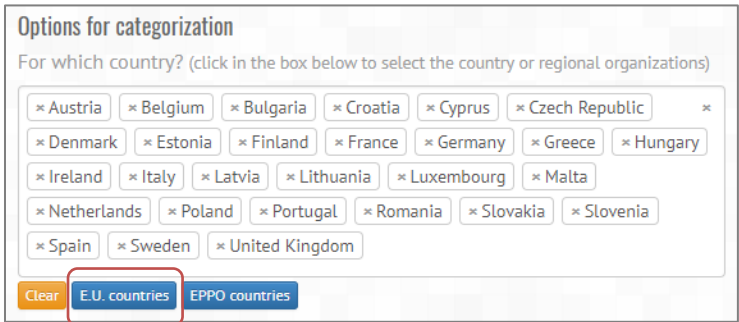Clear   E.U. countries   EPPO countries

To remove a selected item, click on the cross.   × Australia

The button clear will remove all selected items.   Clear

The blue buttons 'E.U countries' and 'EPPO countries' will allow you to select in one click, all EU members states and all EPPO member countries, respectively.

Options for categorization
For which country? (click in the box below to select the country or regional organizations)

× Austria   × Belgium   × Bulgaria   × Croatia   × Cyprus   × Czech Republic   ×
× Denmark   × Estonia   × Finland   × France   × Germany   × Greece   × Hungary
× Ireland   × Italy   × Latvia   × Lithuania   × Luxembourg   × Malta
× Netherlands   × Poland   × Portugal   × Romania   × Slovakia   × Slovenia
× Spain   × Sweden   × United Kingdom

Clear   E.U. countries   EPPO countries

In the example above, the button 'E.U countries' has been selected.