



# EPPO CODES

## Latest developments

Anne-Sophie Roy (Information Officer) - [roy@eppo.int](mailto:roy@eppo.int)



# GD: a new interface to consult the EPPO Codes



The main screenshot shows the EPPO Global Database interface for *Bemisia tabaci* (BEMITA). The page features a search bar at the top with the text "Search by name or EPPO cod" and a "Go!" button. Below the search bar is a navigation menu with options: Home, Standards, Photos, Reporting Service, and Explore by. The main content area is titled "Bemisia tabaci (BEMITA)" and includes a "MENU" on the left with options: Overview, Distribution, Host plants, Host commodities, Categorization, Reporting, Photos, and Documents. The "Overview" section is highlighted with a pink box. The "Basic information" section lists: EPPO code: BEMITA, Preferred name: Bemisia tabaci, and Authority: (Gennadius). The "Other scientific names" section is a table with columns "Name" and "Authority". The "Taxonomy" section is a tree view showing the classification from Kingdom to Species.

**Overview**

**Basic information**

- EPPO code: BEMITA
- Preferred name: Bemisia tabaci
- Authority: (Gennadius)

**Other scientific names**

Name	Authority
Aleurodes tabaci	Gennadius
Bemisia achyranthes	Singh
Bemisia bahiana	Bondar
Bemisia emiliae	Corbett
Bemisia goldingi	Corbett
Bemisia gossypiperda	Misra & Lamba
Bemisia hibisci	Takahashi
Bemisia inconspicua	(Quaintance)
Bemisia longispina	Priesner & Hosny
Bemisia lonicerae	Takahashi

**Taxonomy**

- Kingdom: Animalia (1ANIMK)
- Phylum: Arthropoda (1ARTHYP)
- Subphylum: Hexapoda (1HEXAQ)
- Class: Insecta (1INSEC)
- Order: Hemiptera (1HEMIO)
- Suborder: Sternorrhyncha (1STERR)
- Family: Aleyrodidae (1ALEYF)
- Genus: Bemisia (1BEMIG)
- Species: Bemisia tabaci (BEMITA)

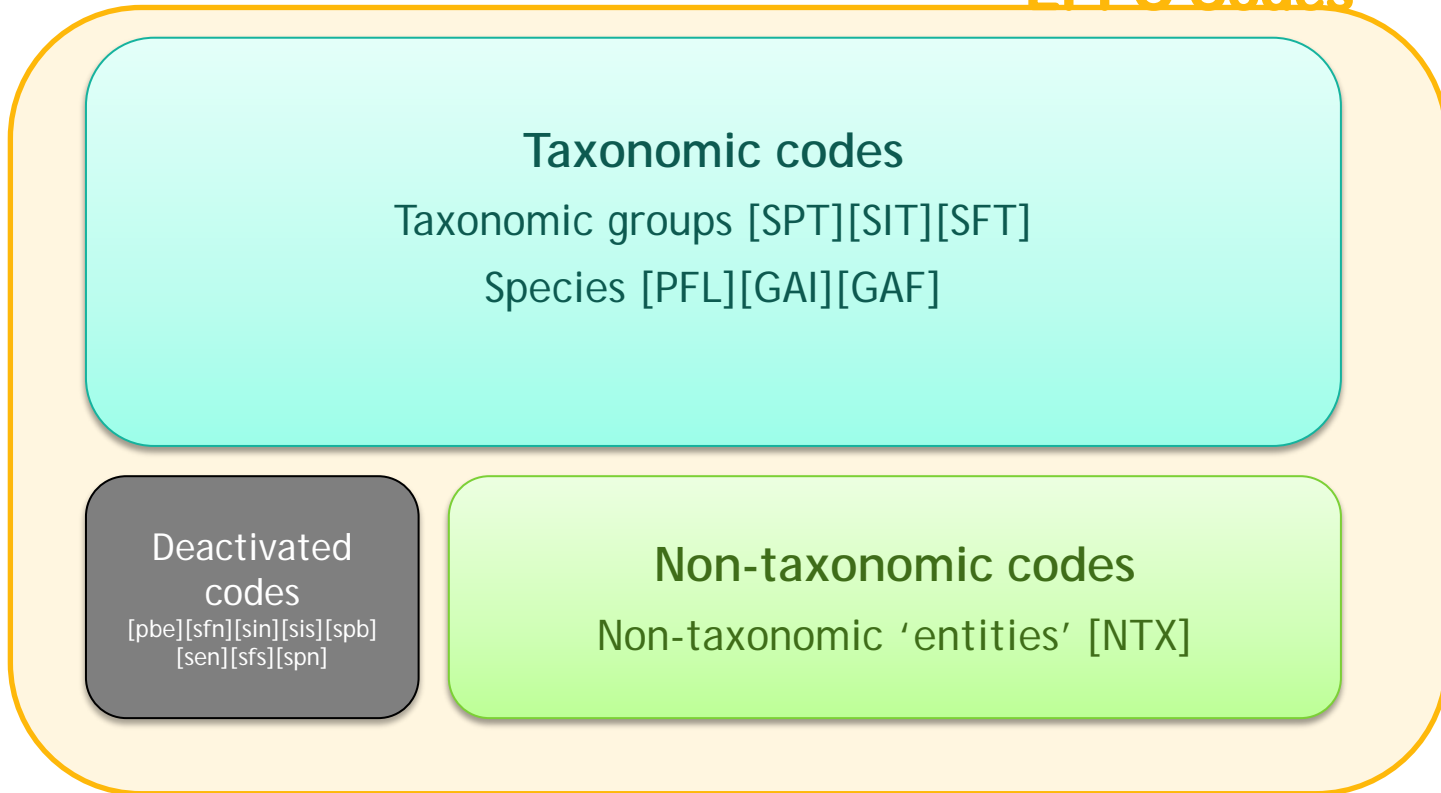
more photos...

<https://gd.eppo.int>

# Codes for non-taxonomic entities

Creation of a new data-type field to separate taxonomic from non-taxonomic codes

## EPPO Codes



Data-types currently used:

PFL: plants	SPT: plant taxonomic group
GAI: animals	SIT: animal taxonomic group
GAF: microorganisms	SFT: microorganism taxonomic group
USE: uses	NTX: non-taxonomic group

# Example of taxonomic/non-taxonomic codes

*Solanum lycopersicum*

*Solanum lycopersicum* (direct-seeded)

*Solanum lycopersicum* (transplanted)

LYPES

LYPXS

LYPXP



## LYPES (active code)

Preferred name: *Solanum lycopersicum*

Synonym: *Lycopersicum esculentum*

Taxonomic code [PFL]

## LYPXS (active code)

Preferred name: tomato (direct-seeded)

Synonym: *Solanum lycopersicum* (direct-seeded)

## LYPXP (active code)

Preferred name: tomato (transplanted)

Synonym: *Solanum lycopersicum* (transplanted)

Non-taxonomic codes [NTX]

### Data-types currently used (values):

PFL: plants	SPT: plant taxonomic group
GAI: animals	SIT: animal taxonomic group
GAF: microorganisms	SFT: microorganism taxo, group
USE: uses	<u>NTX: non-taxonomic group</u>

# A different lay-out for non-taxonomic codes

The screenshot shows a web interface for the non-taxonomic code 'cereal plants (spring) (NNNGS)'. The interface includes a menu, a title, a 'Basic information' section, a 'Classification' section, and an 'Other names' table. Annotations highlight specific changes:

- A different title:** The title 'cereal plants (spring) (NNNGS)' is highlighted.
- Classification instead of Taxonomy:** The 'Classification' section is highlighted, showing a hierarchy: Crop group ( 3CRGK ) and cereal plants (spring) ( NNNGS ).
- Other names instead of Common names:** The 'Other names' table is highlighted, showing names in English, French, and German.

**Overview for a non-taxonomic code**

**MENU**

- Overview →

**Basic information**

- EPPO code: NNNGS
- Preferred name: cereal plants (spring)

**Classification**

- |-- Crop group ( 3CRGK )
- |---- cereal plants (spring) ( NNNGS )

**Other names**

Name	Language
Search...	- select -
spring cereals	English
céréales de printemps	French
Pflanzen, Sommergetreide-	German
Sommergetreidepflanzen	German

# A different lay-out for non-taxonomic codes

*cucurbit plants* (FFFKU) 🖨 f 🐦

MENU

- Overview →

Overview for a non-taxonomic code

**Basic information**

- **EPPO code:** FFFKU
- **Preferred name:** cucurbit plants

**Classification**

- |-- Crop group ( 3CRGK )
- |---- cucurbit plants ( FFFKU )

**Associated scientific names**

- Cucurbitaceae

Link to an associated scientific name (when appropriate)



# Modified advanced search tool

Q

**ADVANCED SEARCH CRITERIA**

Search for

Names or EPPO codes

Search mode

Starting with...

Type of organism

All

**All**

**Species level**

Plant

Animal

Microorganism

**Taxonomic group level**

Plant taxonomic group

Animal taxonomic group

Microorganism taxonomic group

**Other**

Non-taxonomic group

Commodity

Search can be restricted to non-taxonomic codes only

# A few more points on non-taxonomic codes

- Hierarchies can be created whenever needed inside non-taxonomic codes
- Some governance had to be established for non-taxonomic codes as the EPPO Secretariat cannot rely on any 'external authority' when creating new codes: role of the *ad hoc* Panel on Harmonization of data on plant protection products and EPPO codes
- Names associated with non-taxonomic codes should be standardized as much as possible (some rules might have to be proposed) to facilitate data retrieval



# Advanced search results for a deactivated code

Search results - 10 record(s) found

EPPOCode	Name	Type	Language	Preferred
NIPAVA	<b>Nipaecoccus viridis</b> <small>Deactivated code</small>	animal	Scientific	♥
NIPAVA	<b>bolle wolluis</b> <small>Deactivated code</small>	animal	Dutch	
NIPAVA	<b>cotton mealybug</b> <small>Deactivated code</small>	animal	English	
NIPAVA	<b>globular coffee mealybug</b> <small>Deactivated code</small>	animal	English	
NIPAVA	<b>Karoo thorn mealybug</b> <small>Deactivated code</small>	animal	English	
NIPAVA	<b>lebbeck mealybug</b> <small>Deactivated code</small>	animal	English	
NIPAVA	<b>Nipaecoccus vastator</b> <small>Deactivated code</small>	animal	Scientific	
NIPAVA	<b>Pseudococcus perniciosus</b> <small>Deactivated code</small>	animal	Scientific	
NIPAVA	<b>Pseudococcus vastator</b> <small>Deactivated code</small>	animal	Scientific	
NIPAVA	<b>spherical mealybug</b> <small>Deactivated code</small>	animal	English	

Advanced Search Criteria

Search for: Names or EPPO codes

Search mode: Starting with...

Type of organism: All

Language: All

Show deactivated codes

OK

Deactivated codes can be shown if needed

# Link to the replacement code

*Nipaecoccus viridis* (NIPAVA) 📄 f 🐦

Overview Last modification: 2015-04-17

**This code has been deactivated and replaced by [NIPAVI](#)**

**Basic information**

- EPPO code: NIPAVA
- Preferred name: *Nipaecoccus viridis*
- Authority: Newstead

**Notes**

Duplicate

**Other scientific names**

Name	Authority
<i>Nipaecoccus vastator</i>	(Maskell)
<i>Pseudococcus perniciosus</i>	Newstead & Willcox
<i>Pseudococcus vastator</i>	(Maskell)

**Common names**

Name	Language
<input type="text" value="Search..."/>	<input type="text" value="- select -"/>
bolle wolluis	Dutch
cotton mealybug	English
globular coffee mealybug	English
Karoo thorn mealybug	English
lebbeck mealybug	English
spherical mealybug	English





Link to the replacement code

# Downloading EPPO Codes



- EPPO codes are ‘open data’
- Free downloads via a dedicated platform  
**EPPO Data Services: <https://data.eppo.int/>**

**How to cite EPPO Global Database?**  
EPPO (2016) EPPO Global Database (available online). <https://gd.eppo.int>


 <p><i>Alternaria mali</i> (ALTEMA) <a href="#">view more...</a></p>	 <p><i>Cryptostroma corticale</i> (CRPSCO) <a href="#">view more...</a></p>	 <p><i>Hyloicus pinastri</i> (SPHXPI) <a href="#">view more...</a></p>	 <p><i>Citrus ringspot virus</i> (CIRSVO) <a href="#">view more...</a></p>
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[Contact EPPO](#)   [EPPO Website](#)   [EPPO Data Services](#)   [Sitemap](#)

EPPO Data Services

# A dedicated platform for free downloads

EPPO Data Services Home Go to EPPO Global Database <https://data.epppo.int/> Login



## Welcome to EPPO Data Services

An interface dedicated to the users of the EPPO Codes  
Keep connected with EPPO !

**New user**  
create your account (free) and accept the terms of the Open Data Licence

[Register](#)

Already have an account

[Login](#)

**1<sup>st</sup> step: create your free account**

### About EPPO Data Services

EPPO Data Services (EDS) allow you to extract data without using a graphical interface (i.e. machine to machine) from the EPPO coding system, such as downloading the EPPO Codes for incorporation into your own IT systems, or running particular queries directly in the database. [Learn more about the EPPO Codes](#)

EDS is mainly addressed to IT specialists, although quick online tools can be used by anyone to get codes/names directly from the database without any programming skills. **All available services can be accessed from your dashboard once you have created your own account and accepted the terms of the [Open Data Licence \(pdf\)](#).**

#### What can I do with EPPO Data Services ?

With a minimum of coding you can:

- Perform several tasks at a time
- Automate current tasks
- Create scripts for mass actions/updates

And much more. The only limit is your creativity :)

All services which are currently available are summarized below:

# Create your free account

## Create your account

### Institute

Institution name

Country

### Contact point

Email address

Your name

Enter your full name

### Account

Username

Username can contain any letters or numbers, without spaces

Password

Password should be at least 4 characters

Password (confirm)

Please confirm password

### Open Data Licence

I accept the terms and conditions of the [Open Data Licence](#)

Register

European and Mediterranean Plant Protection Organization  
Organisation Européenne et Méditerranéenne pour la Protection des Plantes

#### EPPO Codes OPEN DATA LICENCE

You may re-use the EPPO Codes made available by EPPO under the freedoms and the conditions specified by this licence.

##### Re-use of EPPO Codes under this licence

EPPO grants the « Re-user » a worldwide, perpetual, free of charge, non-exclusive, personal right to use the EPPO Codes subject to this licence under the freedoms and the conditions set out below.

##### You are free to re-use the EPPO Codes:

- To reproduce, copy, publish and transmit the EPPO Codes;
- To build upon them in order to create « Derivative information »;
- To exploit the EPPO Codes freely or commercially, for example, by combining them with other information, or by including them in your own product or application.

##### You must, where you do any of the above:

- Attribute the EPPO Codes by acknowledging their source (at least the name of EPPO) and the date on which they were last downloaded.
- The « Re-user » may fulfil this condition by providing one or more hyperlinked links (URL) relating to the EPPO Codes and effectively acknowledging their source. The EPPO logo should not be used for this purpose, and in any case, it cannot be reproduced without prior authorization from the EPPO Secretariat.
- This attribution shall not suggest any official status or endorsement, by EPPO of the « Re-user » or the re-use of the EPPO Codes.

##### Liability

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EPPO guarantees that it makes the currently available EPPO Codes free of charge, under the freedoms and the conditions defined by this licence. It cannot guarantee that the EPPO Codes do not contain any error or irregularity. It does not guarantee the continued supply of the EPPO Codes. It shall not be liable for any loss, injury or damage of any kind caused to third parties resulting from their re-use.

The « Re-user » is solely responsible for its re-use of the EPPO Codes. The re-use shall not mislead third parties or misrepresent the content of the EPPO Codes, their source and time of last update.

<sup>1</sup> Contains EPPO Codes (www.eppo.int)

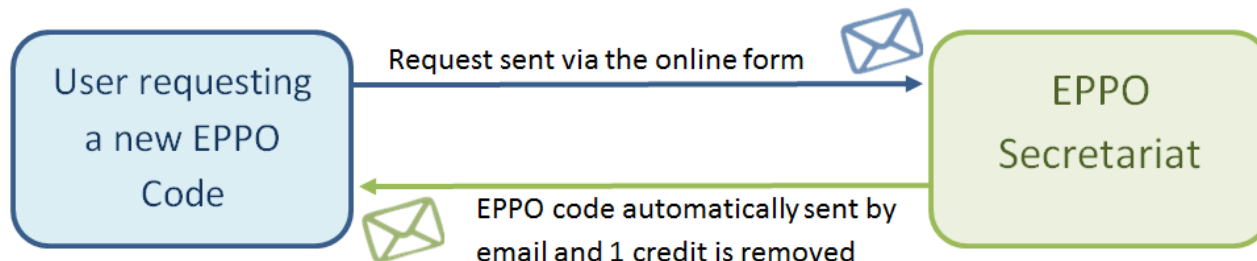
# Different services are provided

- ✓ Downloads with different file formats
- ✓ Online tools for quick and simple searches (for all users)
- ✓ REST API (for IT specialists)

*More details will be provided in a separate presentation during this meeting*

# Creation of new EPPO Codes

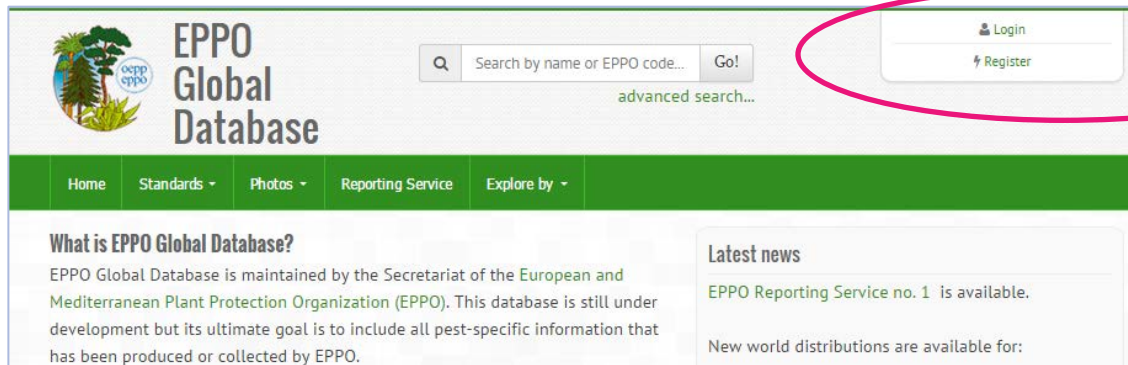
- ✓ Additional service subject to fees (50 euros per code)
- ✓ All necessary online forms have just been created in **EPPO Global Database**
- ✓ Guidance will soon be added to the website





# How to request new EPPO Codes

## 1. Register on EPPO Global Database

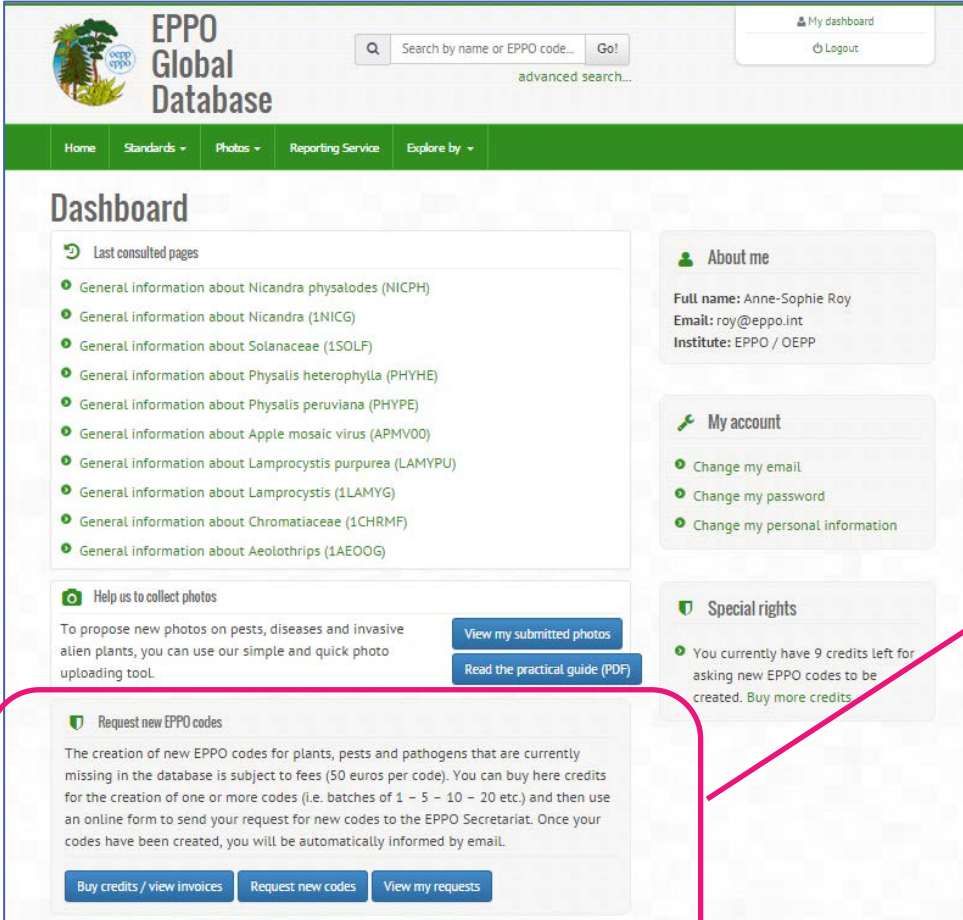


The screenshot shows the EPPO Global Database website. The header includes the EPPO logo, the text "EPPO Global Database", a search bar with the placeholder "Search by name or EPPO code..." and a "Go!" button, and a "Login" button. A pink oval highlights the "Login" and "Register" buttons. Below the header is a green navigation bar with links for "Home", "Standards", "Photos", "Reporting Service", and "Explore by". The main content area features a section titled "What is EPPO Global Database?" with a brief description, and a "Latest news" section with two news items.

1<sup>st</sup> step: register (free)

# How to request new EPPO Codes

## 2. Necessary tools are in your dashboard



The screenshot shows the EPPO Global Database dashboard. The top navigation bar includes 'Home', 'Standards', 'Photos', 'Reporting Service', and 'Explore by'. A search bar is located at the top right. The main content area is titled 'Dashboard' and contains several sections: 'Last consulted pages' with a list of pest and disease entries; 'Help us to collect photos' with a description and buttons for 'View my submitted photos' and 'Read the practical guide (PDF)'; 'Request new EPPO codes' (highlighted with a red box), which includes a description of the process and buttons for 'Buy credits / view invoices', 'Request new codes', and 'View my requests'; 'About me' with user details; 'My account' with options to change email, password, and personal information; and 'Special rights' with a credit status update.

In your dashboard: **‘Request new EPPO codes’**

1. Buy credits
2. Request new codes
3. View your requests

# Online secured payment site

EPPO Global Database

Search by name or EPPO code... Go! advanced search...

My dashboard Logout

Home Standards Photos Reporting Service Explore by

## Buy credits / view invoices

### Buy credits

Quantity: - please select -

TOTAL: 0 EUR

Continue...

Currently, you have 9 credits for ask for new EPPO Codes.

### Orders awaiting payment

Ref	Date of order	Detail	Total eur			
ECS-0019	2016-01-05	1 New codes	50	Download proforma invoice	Pay online...	Cancel this order
ECS-0018	2016-01-05	1 New codes	50	Download proforma invoice	Pay online...	Cancel this order
ECS-0017	2015-12-11	10 New codes	500	Download proforma invoice	Pay online...	Cancel this order

### Invoices

Ref	Date of payment	Detail	Total eur	
ECS-0016	2015-11-25 12:43:11.872026	10 New codes	500	Download invoice

Back to dashboard

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You can buy credits for one or more codes (batches: 5-10-20 etc) for an **unlimited period of time**

Generate a proforma invoice

Pay online (or by bank transfer). **Euros only.**

Order can be cancelled

Once payment has been received, invoice/receipt of payment can be downloaded here

# Online form to request a new EPPO code

**EPPO Global Database**

Search by name or EPPO code... Go! advanced search...

My dashboard Logout

Home Standards Photos Reporting Service Explore by

## Request a new EPPO Code

You can propose new organisms for inclusion in the EPPO Code System and obtain new EPPO codes for them. Please fill in the following form.

The EPPO Secretariat will perform the necessary verifications and, when accepted, the name(s) and corresponding new code will be sent to you by email. If for any reason, the code you requested could not be created (e.g. the organism for which the code was requested is outside the scope of the database, a code already existed but was associated with a synonym), your credit will not be spent.

(\*) required

Latin name \*

Synonyms

Taxonomic position \*

References \*

Additional information

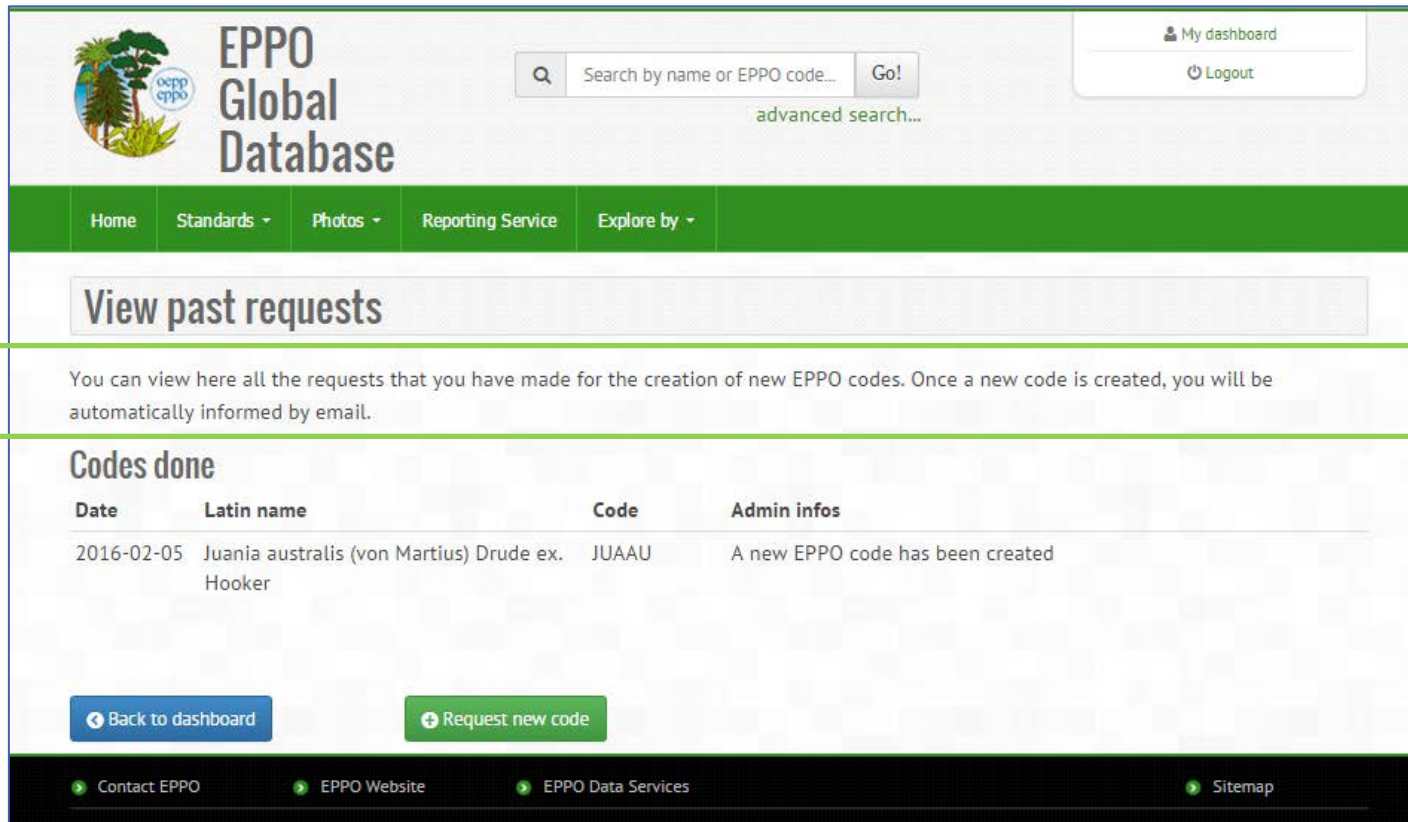
**Currently you have 9 credits left to ask for new EPPO codes.**


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Fill in the different fields (some are compulsory\*)

Your request is then automatically sent to the EPPO secretariat

# View your past requests



 **EPPO  
Global  
Database**

Search by name or EPPO code...  [advanced search...](#)

[My dashboard](#)  
[Logout](#)

[Home](#) [Standards](#) [Photos](#) [Reporting Service](#) [Explore by](#)

## View past requests

You can view here all the requests that you have made for the creation of new EPPO codes. Once a new code is created, you will be automatically informed by email.

### Codes done

Date	Latin name	Code	Admin infos
2016-02-05	Juania australis (von Martius) Drude ex. Hooker	JUAAU	A new EPPO code has been created

[Back to dashboard](#) [Request new code](#)

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**Thank you for your attention**

