

Evaluaciones de la Lista Roja para árboles

Módulo 1: Una introducción a las evaluaciones de la Lista Roja para árboles



Establecimiento de una lista roja para árboles

- Introducción



Este módulo cubre:

- La Evaluación Mundial de los Árboles (Global Tree Assessment)
- ¿Por qué el establecimiento de una lista roja?
- ¿Quién puede establecer una lista roja?
- Antes de empezar

GTA

PRIORITY



Evaluación Mundial de los Árboles



GLOBAL TREE ASSESSMENT

Evaluaciones del estado de conservación de todas las especies de árboles del mundo para 2020.

La importancia de los árboles



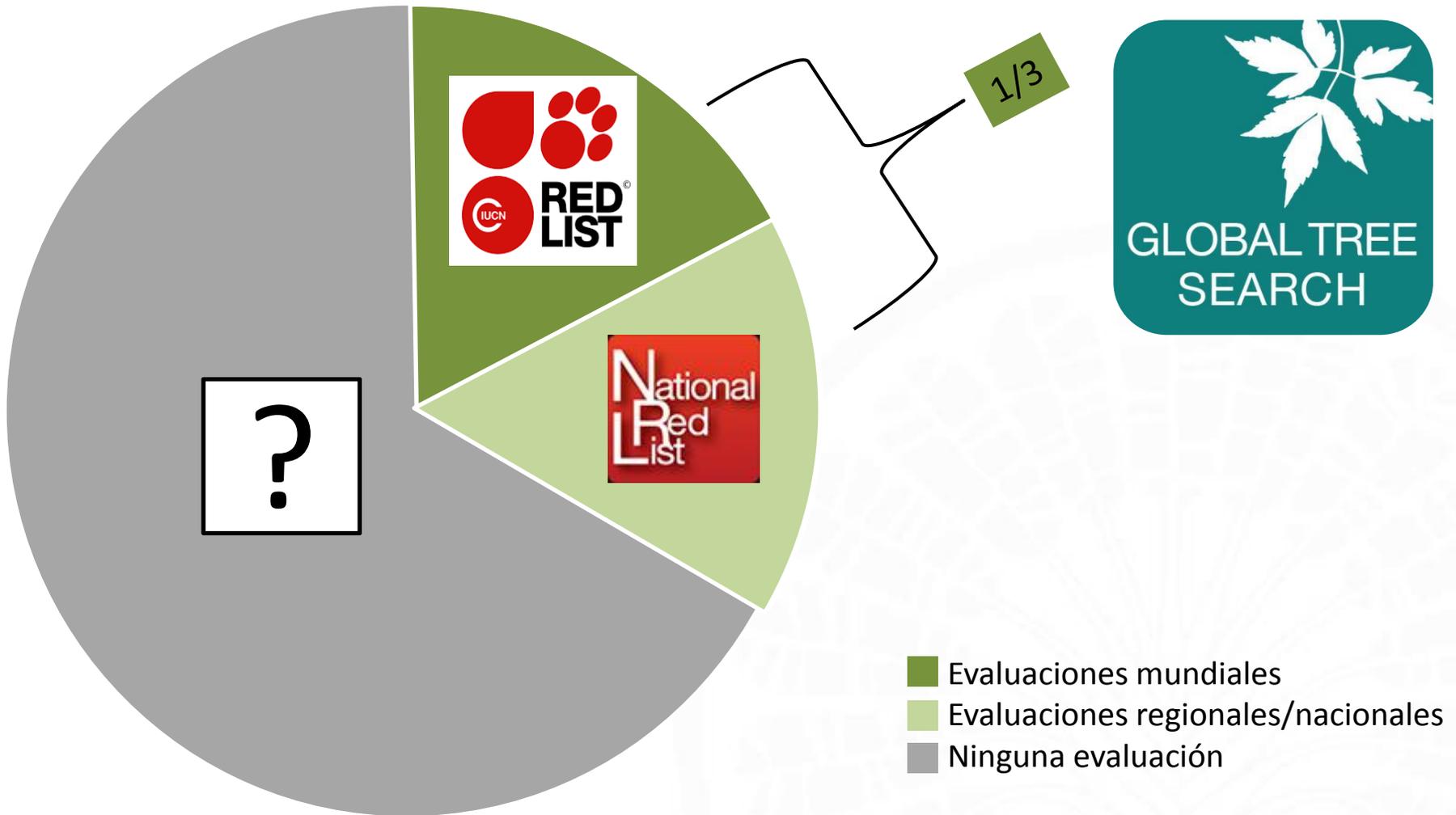
Los árboles son esenciales para la vida en la tierra

- Los árboles proporcionan alimentos (semillas, frutos, hojas, raíces, brotes, etc.) a los seres humanos, y a otras formas de vida animal.
- La vida humana depende de los medicamentos, la madera, el combustible y los refugios que nos proporcionan los árboles.
- Los árboles están en el centro de numerosos procesos ecológicos:
 - Regulación del clima (particularmente la absorción del dióxido de carbono)
 - Fertilidad de los suelos
 - Purificación del aire y del agua

Las amenazas para árboles



60 000 especies de árboles



60 000 árboles

¿Qué es una evaluación de la Lista Roja?

Una evaluación que mide el riesgo de extinción de una especie.

El sistema más utilizado de manera generalizada es la Lista Roja de Especies Amenazadas de la UICN (Unión Internacional para la Conservación de la Naturaleza).

- Más que una «lista» de nombres de especies.
- Fuente de información referente al estado de conservación de especies e información asociada.
- Estado, tendencias y amenazas para especies a fin de orientar e iniciar acciones a favor de la conservación.



Listas rojas taxonómicas



Red Lists of Global Trees

(percentage threatened taxa)

Magnolias 48%

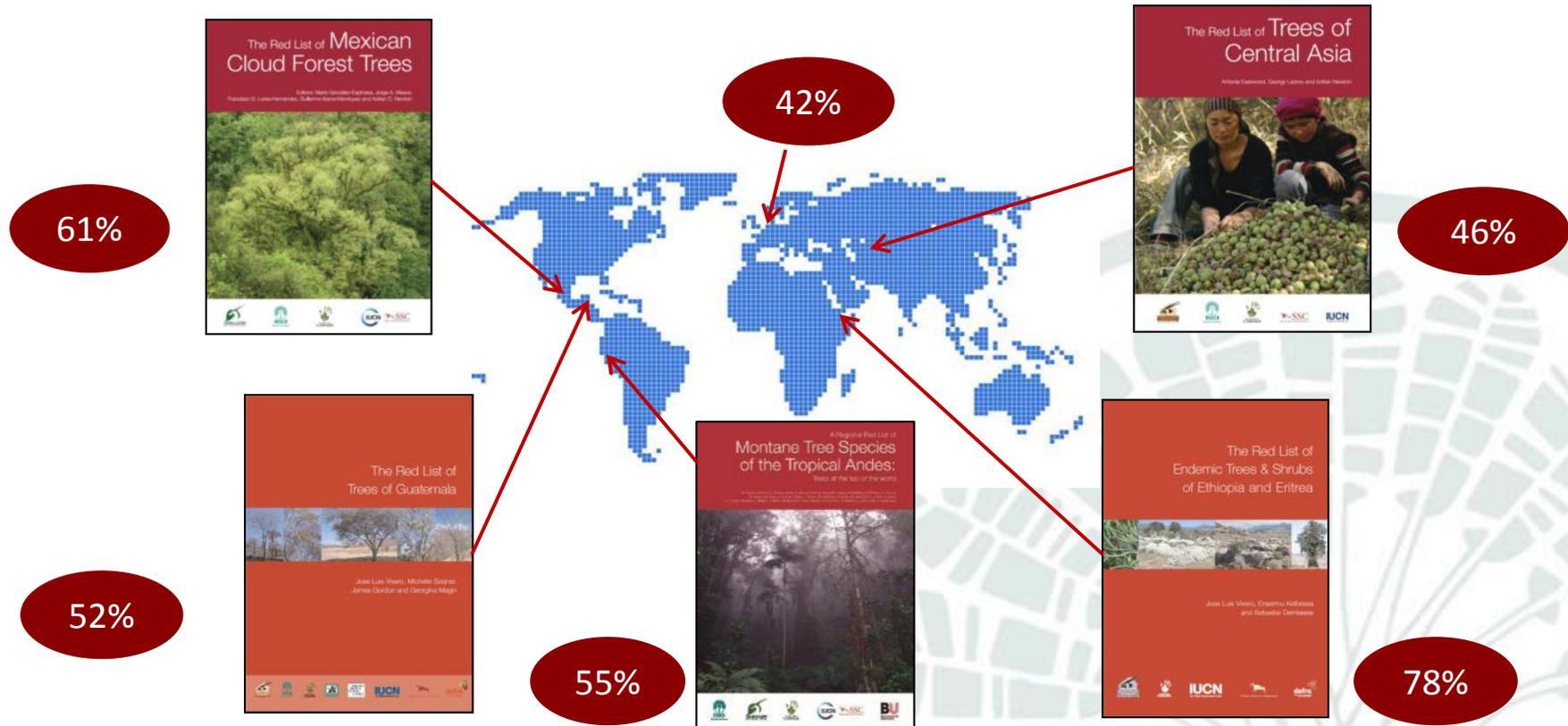
Maples 28%

Rhododendron 27%

Oaks 27%

Betulaceae 7%

Listas rojas regionales



<http://globaltrees.org/resources/resource-type/red-list/>

¿Por qué el establecimiento de una lista roja?

Las evaluaciones de la Lista Roja:

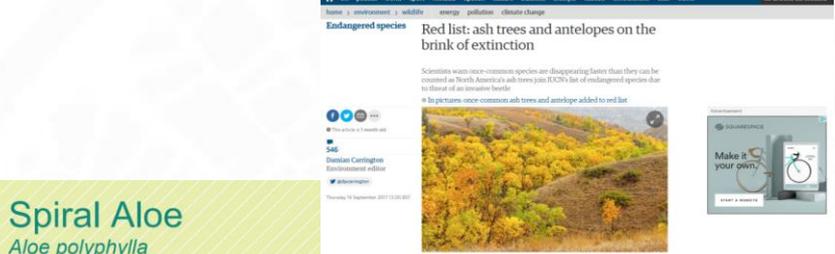
- Permiten determinar las especies en mayor peligro de extinción.
- Priorizan las especies más amenazadas para acciones de conservación.
- Dan a conocer su situación.
- Proporcionan las informaciones necesarias para actuar.



Amazing Species: Chatham Island Christmas Tree

The Chatham Island Christmas Tree, *Brachyglottis hursii*, is listed as Vulnerable on The IUCN Red List of Threatened Species™. This attractive tree is endemic to the Chatham Islands of New Zealand.

This species was formerly more common on the two islands but is now thought to have caused the population declines. The main threats are large-scale habitat destruction for agriculture, and large-scale habitat destruction for agriculture, and large-scale habitat destruction for agriculture.



Spiral Aloe
Aloe polyphylla

About me: I am an endangered plant found only in the tiny country of Lesotho (located in the middle of South Africa). Look at my leaves and you'll see why I'm called Spiral Aloe.

Why I'm rare: My pollinator, the Malachite Sunbird, is becoming rare, making it difficult for me to produce seeds. I'm also unsustainably harvested from my habitat for medicine and to be sold to plant collectors.

My story: I grow in rock crevices at high elevations in the Makuti Mountains. I'm proud to be the only Aloe that grows in cool alpine habitat!

How you can help: Support the cooperative efforts between botanic gardens, conservation programs and nurseries to propagate plants like me for commercial trade to help reduce collections from wild populations.

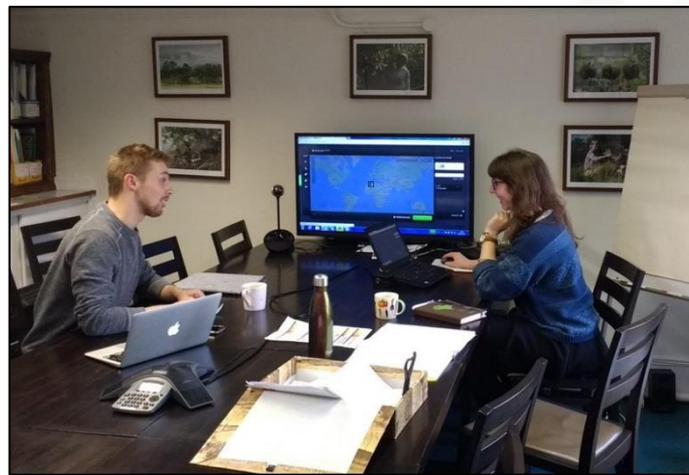
BGCI UNITED STATES BOTANIC GARDEN
PHOTO BY STAN SHEES

CARE FOR THE RARE

¿Quién puede establecer una lista roja?

Las personas apasionadas por la conservación
de árboles

(que tienen conocimientos sobre los árboles en
estado silvestre)

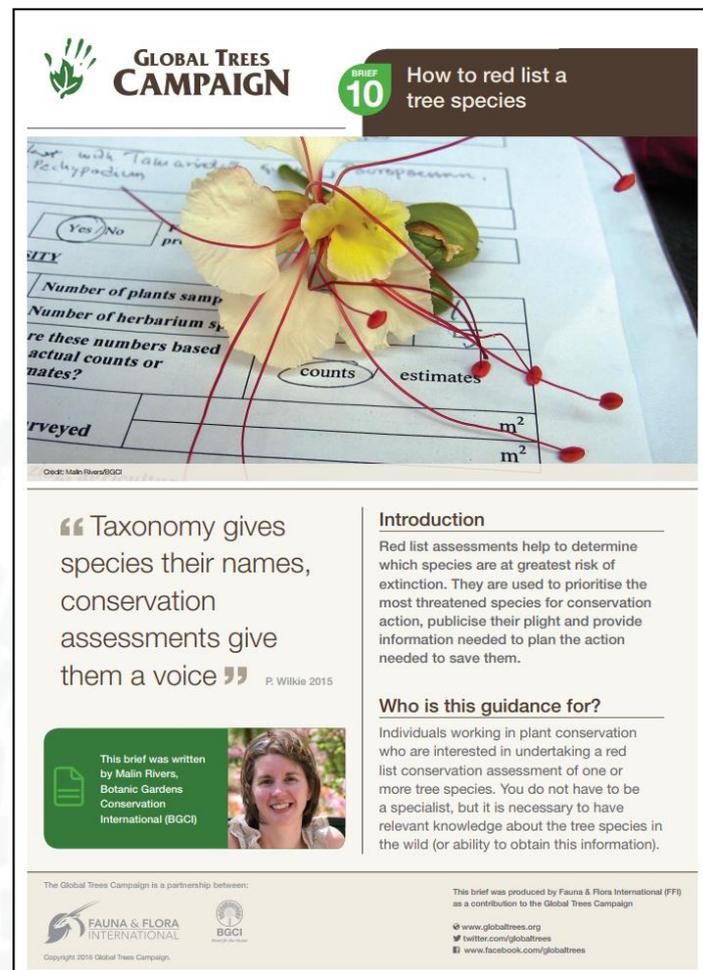


Antes de empezar

Etapa 1: Defina la escala de su proyecto de establecimiento de una lista roja

Etapa 2: Seleccione especies comprobadas en términos taxonómicos

Etapa 3: Entérese de si su especie ya estuvo inscrita en una lista roja



GLOBAL TREES CAMPAIGN BRIEF 10 How to red list a tree species

“ Taxonomy gives species their names, conservation assessments give them a voice ” P. Wilkie 2015

This brief was written by Malin Rivers, Botanic Gardens Conservation International (BGCI)

Introduction
Red list assessments help to determine which species are at greatest risk of extinction. They are used to prioritise the most threatened species for conservation action, publicise their plight and provide information needed to plan the action needed to save them.

Who is this guidance for?
Individuals working in plant conservation who are interested in undertaking a red list conservation assessment of one or more tree species. You do not have to be a specialist, but it is necessary to have relevant knowledge about the tree species in the wild (or ability to obtain this information).

The Global Trees Campaign is a partnership between:
FAUNA & FLORA INTERNATIONAL (FFI) and BGCI

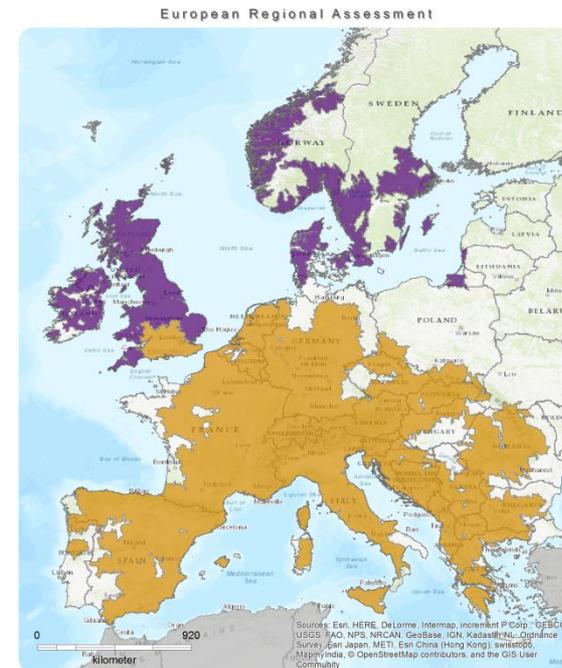
This brief was produced by Fauna & Flora International (FFI) as a contribution to the Global Trees Campaign.

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Escala

- ¿Una especie, varias especies, un género?
- Escala geográfica
 - Área de distribución mundial
 - Área de distribución nacional



Sorbus aria

Range

- Extant & Introduced (resident) (compiled by IUCN, BGCi)
- Extant (resident)



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

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GlobalTreeSearch



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BGCI > GlobalTreeSearch

Welcome to GlobalTreeSearch!



The most comprehensive database of tree species.

- Search over 60,000 tree species names and their country distributions.
- Find out the geographical distribution of a tree species.
- Discover all tree species found in a country

GlobalTreeSearch is not a static database and will evolve as new information comes to light. If you spot a mistake (in taxonomy, distribution of lifeform) or have data which you think could improve the database, please get in touch with globaltreesearch@bgci.org.

[More information about GlobalTreeSearch and how the data were compiled.](#)

[More information on data sources used and acknowledgements.](#)

Data retrieved through GlobalTreeSearch is subject to the [BGCI data agreement](#).

To search the database, enter search criteria below (at least one of genus, species, country required)

Scientific name:
Genus Species Country

Search Plants

www.bgci.org/global_tree_search.php

Otras listas de búsqueda



The Plant List A working list of all plant species

Home About Browse Statistics Feedback How to use this site

The **Plant List** is a working list of all known plant species. It aims to be comprehensive for species of Vascular plant (flowering plants, conifers, ferns and their allies) and of Bryophytes (mosses and liverworts). Collaboration between the Royal Botanic Gardens, Kew and Missouri Botanical Garden enabled the creation of The Plant List by combining multiple checklist data sets held by these institutions and other collaborators.

Version 1.1 (September 2013) replaces Version 1.0 which remains accessible here. Version 1.1 includes new data sets, updated versions of the original data sets and improved algorithms to resolve logical conflicts between those data sets. The differences between versions are summarised here.

The **Plant List** provides the **Accepted** Latin name for most species, with links to all **Synonyms** by which that species has been known. Around 20% of names are **unresolved**, indicating that the data sources included provided no evidence or view as to whether the name should be treated as accepted or not, or there were conflicting opinions that could not be readily resolved.

The **Plant List** is **not perfect** and represents work in progress. Our aims remain to produce a 'best effort' list, to demonstrate progress and to stimulate further work. Important limitations are summarised here.

Summary Statistics
The **Plant List** includes 1,064,035 scientific plant names of species rank. Of these 350,699 are accepted species names. The **Plant List** contains 642 plant families and 17,020 plant genera.

The status of the 1,064,035 species names, are as follows:

Status	Year
Accepted	350,699 33.0%
Synonym	470,624 44.2%
Unresolved	242,712 22.8%

Browse
Click on the major plant group of interest to explore the taxonomic hierarchy embedded within The Plant List.

Flowering plants *Angiosperms* Conifers, cycads and allies *Gymnosperms* Ferns and fern allies *Pteridophytes* Mosses and liverworts *Bryophytes*

Work down the taxonomic hierarchy from **Major Group** (to find out which Families belong to each), to **Family** (to discover the Genera belonging to each) and finally **Genus** (to list the Species in each).

www.theplantlist.org

Tropicos®

Home Names Specimens References Projects Images More Tools

Tropicos® was originally created for internal research but has since been made available to the world's scientific community. All of the nomenclatural, bibliographic, and specimen data accumulated in MBG's electronic databases during the past 30 years are publicly available here. This system has nearly 1.3 million scientific names and over 4.4 million specimen records.

Click an image for detailed information:

Quick Name Search Search Search Exact

Common Name

News Links Stats Heat Map Country Map

Tropicos News
Name Matching
Browse Tropicos Specimens in Google Earth
Execute a Tropicos name search directly from your browser
Digitizing Engelmann's Herbarium

www.tropicos.org

The International Plant Names Index

Search Plant Names Search Authors Search Publications

About IPNI

The International Plant Names Index (IPNI) is a database of the names and associated basic bibliographical details of seed plants, ferns and lycophytes. Its goal is to eliminate the need for repeated reference to primary sources for basic bibliographic information about plant names. The data are freely available and are gradually being standardized and checked. IPNI is a dynamic resource, depending on direct contributions by all members of the botanical community.

IPNI is the product of a collaboration between The Royal Botanic Gardens, Kew, The Harvard University Herbaria, and the Australian National Herbarium.

NEWS

- [Helsborne Code](#) available online.
- From 1 January 2012 electronic material published online in Portable Document Format (PDF) with an International Standard Serial Number (ISSN) or an International Standard Book Number (ISBN) constitutes effective publication.

We want to make sure that IPNI captures all relevant nomenclatural novelties, whether published online or in printed form.

IPNI users can help. [Let us know](#) if you publish or find names in an online publication by sending us a link to the relevant site.

- To help you to quickly find information on authors, many new links have been created from author records to [IL2](#) page in [BHL](#). Try it out. Click on the link in [this record](#).
- Some records now have a link to the protologue page in [BHL](#). See an example [here](#).
- [Missing protologues](#) - can you help us find some of these?

TIPS

- IMPORTANT: IPNI does not have information on what are currently accepted names and what are taxonomic (i.e. heterotypic) synonyms. Find this information in foras, monographs, checklists, revisions etc.
- See new names just added by [searching by additional terms](#). Search must be limited by at least one term, like family, genus or author.
- A hyperlink on author name or publication title in the detailed search results indicates standardized format.

www.ipni.org



Antes de empezar

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ThreatSearch



La base de datos más completa en cuanto a evaluaciones del estado de conservación de plantas

Más de 242 000 evaluaciones del estado de conservación, más de 150 000 taxones.

BGCI > ThreatSearch

Welcome to ThreatSearch!



The most comprehensive database of conservation assessments of plants.

- Search over 242,000 conservation assessments, representing over 150,000 taxa.
- Find out if a plant has a global or regional conservation assessment
- Find out if a plant is considered threatened

Enter search criteria below (at least one of genus, species, infraspecific epithet required)

Scientific name:

Family Genus Species Infraspecific Epithet

Scope: From Year (earliest record from 1970):

Scope of assessment -- Please Select --

Show Threatened taxa only

www.bgci.org/threat_search.php

¿Otras listas?



ThreatSearch del BGCI https://www.bgci.org/threat_search.php



La Lista Roja de la UICN (evaluaciones mundiales) www.iucnredlist.org



La Lista Roja nacional (regional y nacional) www.nationalredlist.org

Etapas siguientes...

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¡Recojamos informaciones!



GLOBAL TREES CAMPAIGN

10 How to red list a tree species

Number of plants sampled

counts estimates

m² m²

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(módulo 2...)



BGCI

Conectar a la Gente • Compartir los Conocimientos • Rescatar las Plantas

Nuestra Misión consiste en movilizar los jardines botánicos e involucrar a socios en la protección de la diversidad vegetal para el bienestar de las personas y del planeta

Descanso House, 199 Kew Road, Richmond, Surrey, TW9 3BW, Reino Unido

www.bgci.org

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