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**WFO**  
The World Flora Online



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# *La flora mundial en línea* *The World Flora Online*

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Marzo de 2024



## An Online Flora of All Known Plants

Supporting the Global Strategy for Plant Conservation

1.572.598 names, 377.216 accepted species, 1.532.952 names with associated content  
(56.355 images,  
163.632 descriptions, 36.205 distributions and 1.532.813 references).

Search by species, genus or family name, or any words describing the plant

 Search

# Década 2000-2010

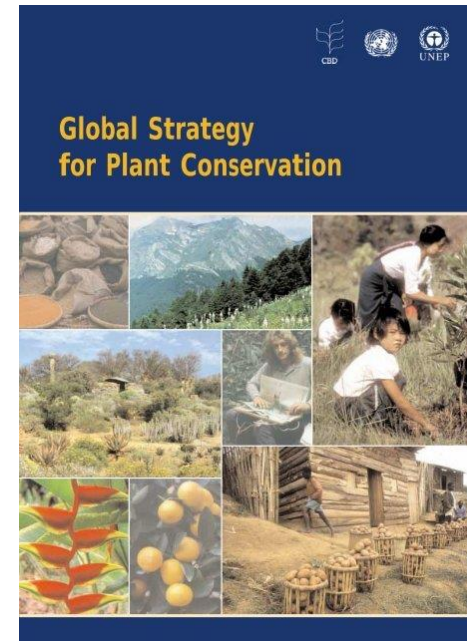
**1999** Conservación Vegetal como prioridad global en Conservación de la Biodiversidad.

**2000** Estrategia Global para la Conservación Vegetal (*Global Strategy for Plant Conservation, GSPC*) dentro del marco de la Convención de Naciones Unidas sobre Diversidad Biológica (*United Nations Convention on Biological Diversity, CBD*).

**2002** La CBD adopta la GSPC. *Target 1: “a widely accessible working list of known plant species as step towards a complete world flora”.*

**2004** Creación de un *Global Partnership for Plant Conservation (GPPC)* para apoyar la implementación de la GSPC a nivel global.

**2010** Se lanza *The Plant List* (<http://www.theplantlist.org>)



**The Plant List** A working list of all plant species

**Superseded**

Please refer now to the WFO Plant List.

**The Plant List (TPL)** was a working list of all known plant species produced by the botanical community in response to Target 1 of the 2002-2010 Global Strategy for Plant Conservation (GSPC). TPL has been static since 2013, but was used as the starting point for the Taxonomic Backbone of the *World Flora Online (WFO)*, and updated information can be found at [www.worldfloraonline.org](http://www.worldfloraonline.org).

WFO is being developed by a consortium of leading botanical institutions worldwide in response to the 2011-2020 GSPC's updated Target 1: to achieve an online Flora of all known plants by 2020. WFO welcomes feedback from users for improvements to its Taxonomic Backbone which is curated by a growing community of WFO Taxonomic Expert Networks (TENs).

**The Plant List** was a working list of all known plant species that aimed 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) replaced Version 1.0 which remained 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	Total
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).

© The Plant List 2013 — Terms and Conditions — How to Cite



# The Plant List

Una lista de trabajo, de todas las especies de plantas vasculares y briófitos conocidos.

1.244.871 nombres científicos: aceptados, sinónimos y sin resolver.

The Plant List **Superseded** A working list of all plant species

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## Fuentes

- *Tropicos* (<http://www.tropicos.org>)
- *World Checklist of Selected Plant Families (WCVP)* (<http://apps.kew.org/wesp/home.do>)
- *International Plant Names Index (IPNI)* (<http://www.ipni.org>)
- *International Legume Database & Information Service (ILDIS)* (<http://www.ildis.org>)
- *International Organization for Plant Information (IOPI)* (<http://plannet.rbgsyd.nsw.gov.au/iopi/iopihome.htm>)
- *Global Compositae Checklist* (<http://compositae.landcaresearch.co.nz/>)
- *GrassBase* (<http://www.kew.org/data/grasses-db.html>)
- *iPlants* (<http://www.iplants.org/>)

## Década 2010-2020

**2010** La CBD adopta la GSPC. *Target 1: “to create an online flora of all known plants”*. Conservación vegetal.

**2011** XVIII Congreso Internacional de Botánica de Melbourne: *"botanical institutions worldwide to collaborate to achieve a comprehensive and authoritative 'online flora of all known plants' by 2020"*.

**2017** XIX Congreso Internacional de Botánica de Shenzhen: *World Flora Online Public Portal* (<http://www.worldfloraonline.org>)

**2021** La *WFO Plant List* substituye definitivamente a *The Plant List*

**2022** Adopción del Montreal-Kunming Global Biodiversity Framework (GBF).

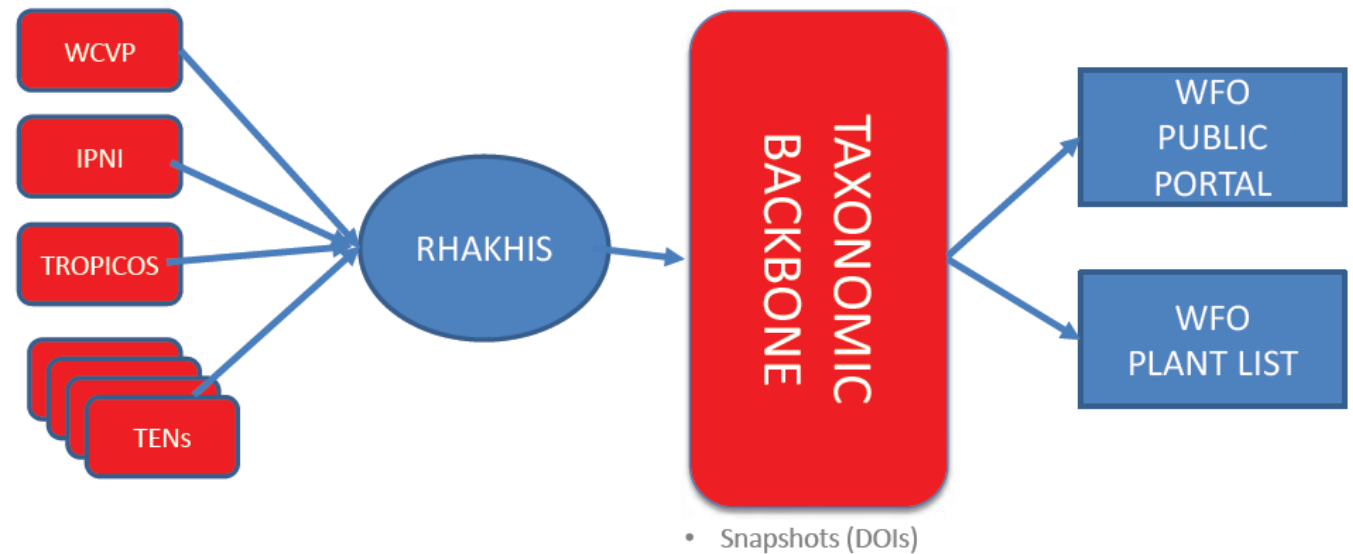


# Contenido taxonómico troncal (*WFO Taxonomic Backbone*)

## Fuentes

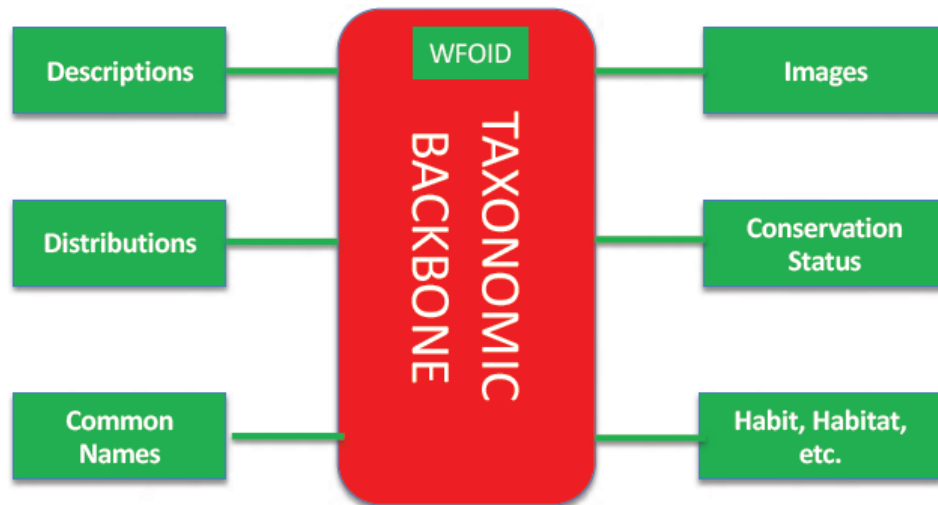
- *The Plant List*, IPNI, WCVP, Tropicos
- *Solanaceae Source*, *Global Compositae Checklist*, *Angiosperm Phylogeny Group IV*, *Pteridophyte Phylogeny Group*
- Floras de Brasil, Sudáfrica, China, Norteamérica, Australia, Tailandia, etc.
- Redes de expertos en taxonomía (*Taxonomic Expert Networks*, TENSs)

## WFO Taxonomic Backbone Curation



# Contenido taxonómico troncal (*WFO Taxonomic Backbone*)

## WFO Taxonomic Backbone



*Based on an illustration by Chuck Miller, 2022*

### 1. Contenido clave

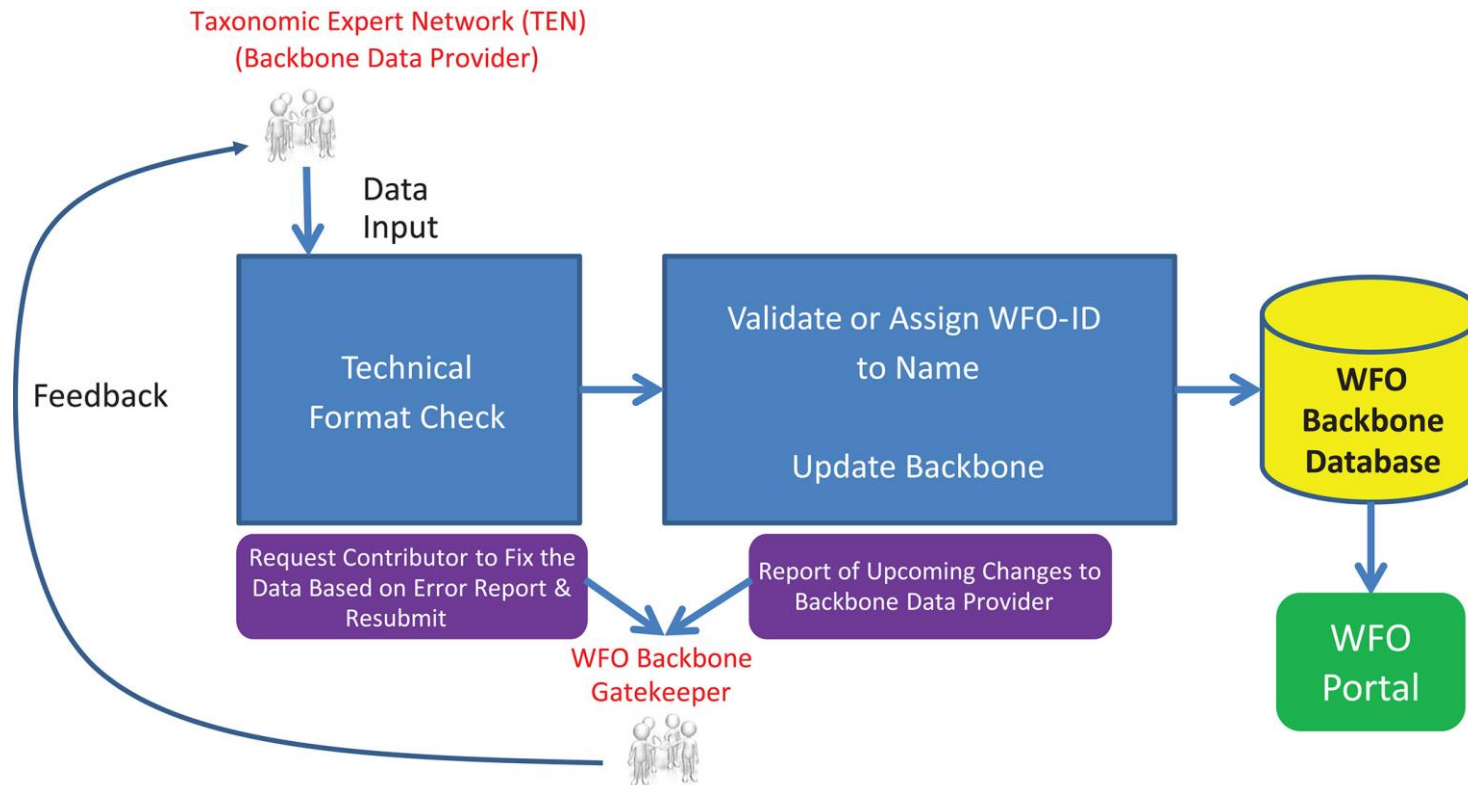
- Nombres científicos **publicados de manera efectiva: aceptados y sinónimos**; con opción a mostrar clasificación consenso y alternativas
- Enlaces a táxones de categorías superiores a la de especie
- Descripciones
- Imágenes
- Claves de identificación
- Distribuciones (nivel de país)
- Referencias a las fuentes de los datos ofrecidos

### 2. Contenido suplementario

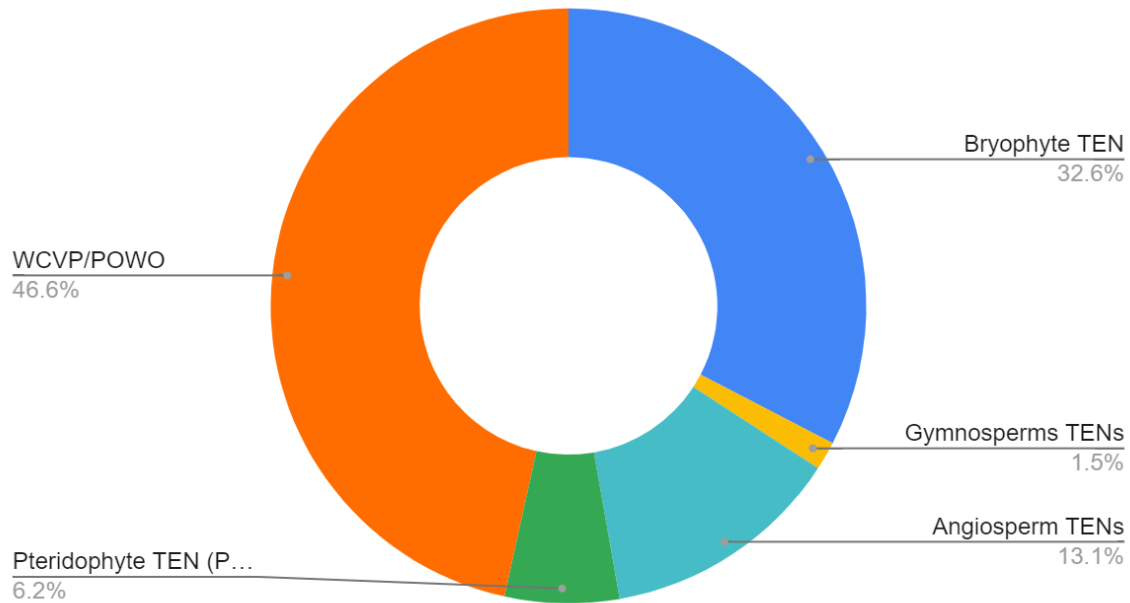
- Grado de endemidad (nivel de país)
- Hábitat para las especies (categorizado)
- Intervalo altitudinal para especies
- Informes de riesgo de extinción (IUCN)
- Enlaces a datos externos sobre las especies
- Nombres vernáculos

### 3. Identificadores WFO-IDs

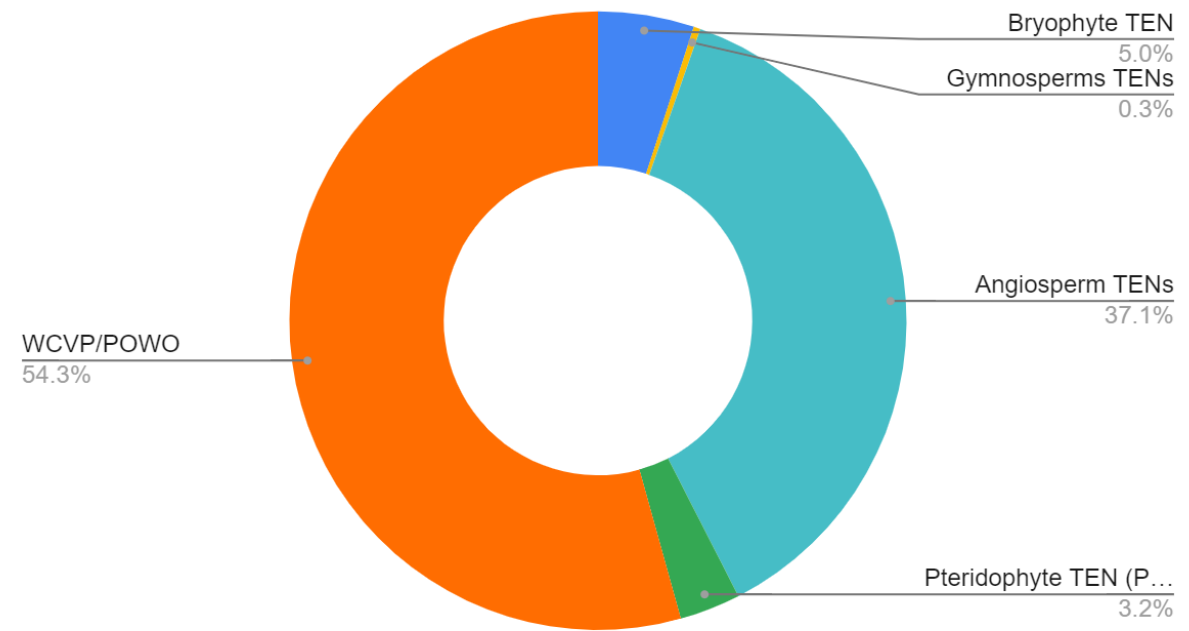
# Redes de expertos en taxonomía (*Taxonomic Expert Networks, NETs*)



WFO backbone classification Providers (Families)



WFO backbone classification providers (accepted species)



	Familias	Porcentaje	Especies aceptadas	Porcentaje
<b>Bryophyte, 1 TEN</b>	232	32%	19,000	5%
<b>Gimnospermas, 2 TENs</b>	11	1.50%	1,300	1%
<b>Angiospermas, 44 TENs</b>	93	13%	140,000	37%
<b>Pteridófitos, 1 TEN (pendiente de aprobación)</b>	44	6%	12,000	3%
<b>WCVP (clasificación de partida)</b> Resto de familias de angiospermas, más Ephederaceae, Gnetaceae & Welwitschiaceae	331	47%	205,000	54%
<b>Total</b>	<b>711</b>		<b>377,300</b>	



## **Plan estratégico para 2022-2030**

Informe del 20º Encuentro del Consejo de La flora mundial en línea

- Cobertura taxonómica de los TENS: ca. 80%
- Contenido descriptivo de WFO: ca. 90%
- Promoción de programas para el desarrollo
- WFO doblará el número de miembros del Consorcio hasta al menos 100
- WFO: contenidos a Catalogue of Life y GBIF
- WFO: conservación vegetal y conservación y restauración de hábitats.

# World Flora Online Public Portal

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Find out about  
Check a plant name

**WFO**  
About the World Flora Online project

Introduction | What we do | Consortium Members | Economic Copied Networks | Documents | FAQs | Series | Flora

World Flora Online is the international initiative to achieve

World Flora Online, by 2020

**38%**  
OF GLOBE'S VEGETATION SPECIES ARE KNOWN

**About Pages**

Explore the data  
Find out about  
Check a plant name

**WFO Plant List**  
Snapshots of the taxonomy

Browse the WFO Plant List | Snapshot Archive | Background Information | Search WFO Plant List

Browse the WFO Plant List

FRUITBERRIES  
FRUITBERRIES  
GYMNOSPERMS  
ANGIOSPERMS

**WFO Portal**

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**WFO**  
The World Flora Online

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An Online Flora of All Known Plants  
Supporting the Global Strategy for Plant Conservation

1,422,000 names, 381,959 from accepted species, 57,419 images,  
180,127 names with descriptions, 30,196 with distributions and 182,001 with references.

Search by species, genus or family name, or any words describing the plant

**WFO Portal**

*Gracias por su atención*