



EOL: Aumentando la conciencia y comprensión sobre la naturaleza viva

Erick Mata
Director Ejecutivo
Encyclopedia of Life

www.flickr.com/photos/johnlemon/263411081/

Conciencia

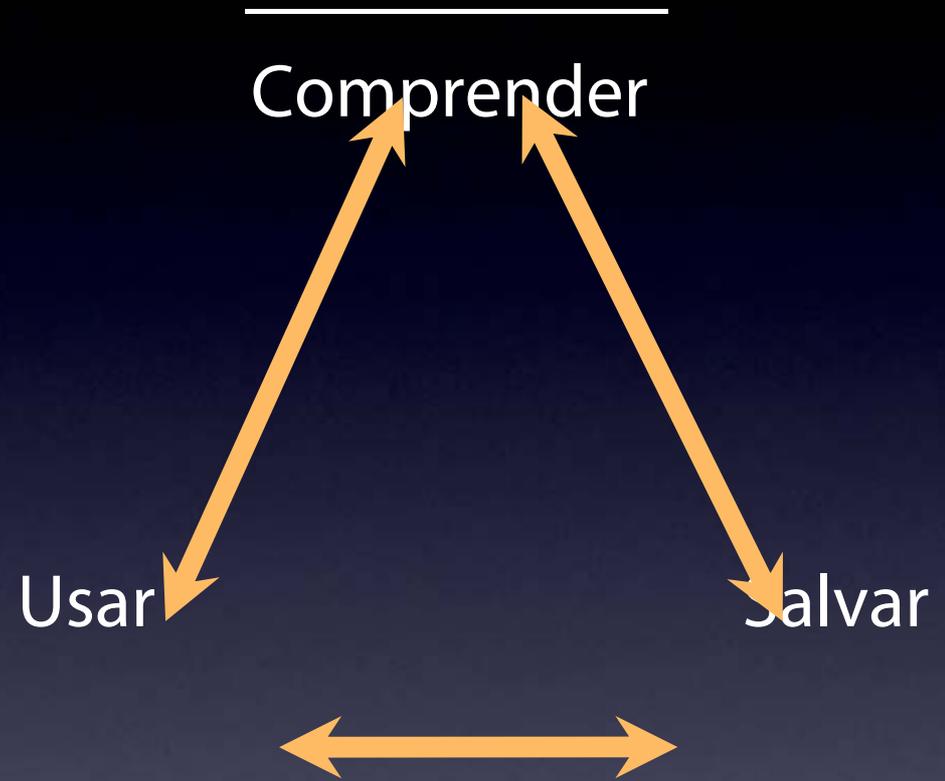


Conciencia





Encyclopedia of Life





Equus caballus przewalskii

Przewalski's wild horse

Taxon recognized by [Animal Diversity Web Descriptions](#)

IUCN RED LIST STATUS: **NOT EVALUATED**

IMAGES COMMENTS



IMAGES

COPYRIGHT: © James Dowling-Healey. Some rights reserved.

SUPPLIER: [Animal Diversity Web](#)

SHOWING: SCIENTIFIC NAMES

CLASSIFICATION: What's this?

NCBI Taxonomy

- Cellular organisms +
- Eukaryota +
- Fungi/metazoa group +
- Metazoa +
- Eumetazoa +
- Bilateria +
- Coelomata +
- Deuterostomia +
- Chordata +
- Craniata +
- Vertebrata +
- Gnathostomata +
- Teleostomi +
- Euteleostomi +
- Sarcopterygii +
- Tetrapoda +
- Amniota +
- Mammalia +
- Theria +
- Eutheria +
- Laurasiatheria +

TABLE OF CONTENTS

- Overview
- Distribution
- Physical Description
- Morphology
- Ecology
- Habitat
- Trophic Strategy
- Life History and Behavior
- Behavior
- Reproduction
- Conservation
- Conservation Status
- Relevance to Humans and Ecosystems
- Benefits
- References and More Information
- Biodiversity Heritage Library
- Literature References
- Content Partners
- Search the Web
- Names and Taxonomy
- Common Names
- Biomedical Terms
- [Add New Content](#)

DISTRIBUTION

Geographic Range

SOURCE AND ADDITIONAL INFORMATION

AUTHOR Janette Luu, University of Michigan

SUPPLIER [Animal Diversity Web](#)

RIGHTS The Regents of the University of Michigan and its licensors

LICENSE [Some rights reserved](#)

SOURCE [View original data object](#)

URL

INDEXED October 19, 2010

Przewalski's wild horse is found in the Altai Mountains of Mongolia (Denver Zoo 1997).

Biogeographic Regions: Palearctic; Palearctic :: Native

CONTRIBUTE

- Latest Changes
- Submit an image
- Submit text
- More information on how to help

EXPLORE

- [Tetraogallus tibetanus](#)
Tibetan Snowcock
- [Cerastium fontanum subsp. vulgare](#)
Big chickweed
- [Mustelus nomis](#)
Florida smoothhound
- [Cicendia filiformis](#)
- [Hookenia lucens](#)

"Equus caballus przewalskii". Encyclopedia of Life, available from "http://www.eol.org/pages/2923167". Accessed 02 Nov 2010.



Agalychnis callidryas (Cope, 1862)

Red-eyed treefrog

Species recognized by [The Integrated Taxonomic Information System](#), T Orrell (custodian) in [Catalogue of Life](#)
 IUCN RED LIST STATUS: [LEAST CONCERN \(LC\)](#)

SHOWING: [COMMON NAMES](#)

IMAGES MAPS COMMENTS



Note: The image from this source has not been reviewed.
 COPYRIGHT: Public Domain
 SUPPLIER: [Wikimedia Commons](#)
 ORIGINAL: [View image source](#)
 English: Red-eyed Tree Frog (*Agalychnis callidryas*), photographed near Playa Jaco in

CLASSIFICATION: [What's this?](#)

Species 2000 & ITIS Catalogue of Life: An

- Animals +
- Chordates +
- Amphibians +
- Frogs and Toads +
- Hylids +
- Agalychnis +
- Red-eyed treefrog

- Chromista +
- Fungus +
- Monerans +
- Monerans +
- Plants +
- Protozoa +
- Viruses +

TABLE OF CONTENTS

- Overview
- Comprehensive Description**
- Distribution
- Physical Description
- Morphology
- Ecology
- Habitat
- Trophic Strategy
- Life History and Behavior
- Behavior
- Life Expectancy
- Reproduction
- Molecular Biology and Genetics
- Nucleotide Sequences
- Barcode
- Conservation
- Conservation Status
- Trends
- Threats
- Management
- Relevance to Humans and Ecosystems
- Benefits
- Risks

COMPREHENSIVE DESCRIPTION

Description

SOURCE AND ADDITIONAL INFORMATION

AUTHOR [Kellie Whittaker](#)

SUPPLIER [AmphibiaWeb](#)

RIGHTS AmphibiaWeb © 2000-2009 The Regents of the HOLDER University of California

LICENSE [Some rights reserved](#) (cc) by

SOURCE URL [View original data object](#)

INDEXED November 02, 2010

Agalychnis callidryas, the red-eyed tree frog, is a slender, colorful, medium-sized frog. Females measure up to 77 mm, and males to 59 mm (Savage 2002). This frog has leaf-green to dark green dorsal surfaces; dark blue, purple, or brownish flanks, with cream-colored or yellow vertical or diagonal bars; blue or orange upper arms; thighs that are blue or orange on the anterior, posterior, and ventral surfaces; orange hands and feet, except for the outermost digits on each; a white ventrum; and protuberant red eyes, with vertical pupils (Savage 2002; Leenders 2001; Duellman 2001). The back is sometimes marked with faint transverse darker green lines (especially in individuals from Nicaragua or Costa Rica) or small white dots (Duellman 2001). The average number of bars on the flanks increases in populations from north to south, with a mean of 5.0 bars in Mexico and a mean of 9.0 bars in

CONTRIBUTE

- [Submit an image](#)
- [Submit text](#)
- [More information on how to help](#)
- [Latest Changes](#)

EXPLORE

-  [Cyema atrum Günther, 1878](#)
Bobtail eel
-  [Boesemania microlepis \(Bleeker, 1858\)](#)
Boeseman croaker
-  [Apogon fraenatus Valenciennes, 1832](#)
Bridled cardinalfish
-  [Acanthoscello radiatus Dotseth & Johnson, 2001](#)
-  [Zanclopteryx conspersa Warren 1908](#)



- Fundada en 2007
- Lanzamiento en 2008
- Segunda fase 2011 -



- Misión: *Aumentar la conciencia y comprensión de la naturaleza viva por medio de una Enciclopedia de La Vida que capture, genere y comparta conocimiento por medio de un recurso digital abierto, libremente accesible y confiable.*



Encyclopedia of Life

- **Visión:** acceso global a conocimiento sobre la vida en la Tierra.



Encyclopedia of Life
Working Groups

- Operaciones y administración ejecutiva
- Adquisición de contenidos
- Desarrollo de software
- Digitalización de literatura
- Involucramiento de científicos
- Educación y ciudadanos científicos



Encyclopedia of Life
Working Groups

EOL Secretariat

Operaciones y
administración ejecutiva

Species Pages

Adquisición de contenidos

Biodiversity Informatics

Desarrollo de software

Digitalización de literatura

BHL

Involucramiento de científicos

Educación y ciudadanos
científicos

Biosynthesis

Learning and Education



Encyclopedia of Life

Cornerstones &
contribuyentes

- Smithsonian Institution
- Harvard University
- Missouri Botanical Garden
- The Field Museum of Natural History
- Woods Hole Marine Biological Laboratory
- The Biodiversity Heritage Library Consortium
- The Alfred P. Sloan Foundation
- The John D. and Catherine T. MacArthur Foundation



Encyclopedia of Life
Socios globales

- Atlas of Living Australia
- Chinese Academy of Sciences
- Naturalis, the National Museum of Natural History of the Netherlands
- New Library of Alexandria, Egypt
- South African National Biodiversity Institute



Encyclopedia of Life

Socios globales

- CONABIO
- INBio/Central America
- Kenia/África del Este?
- Española?
- Sudamericana?

Logros

Apis mellifera Linnaeus 1758

Honey bee

Species recognized by [ITIS World Bee Checklist](#), T. Orrell (custodian) in [Catalogue of Life](#)
IUCN RED LIST STATUS: [NOT EVALUATED](#)

SHOWING: [SCIENTIFIC NAMES](#)

IMAGES MAPS VIDEOS COMMENTS



IMAGES



PAGE 1 NEXT
COPYRIGHT: Public Domain
SUPPLIER: [Wikimedia Commons](#)
Italian honeybee (*Apis mellifera ligustica*)
Photo taken with a [Panasonic Lumix DMC-FZ50](#) (with a [Tiffen +4 Dioptric Lens](#)) in [Caldwell County, NC, USA](#).

Overall: ★★★★★ Your Rating: ★★★★★

CLASSIFICATION: [What's this?](#)

Species 2000 & ITIS Catalogue of Life: Ann

[Animalia](#) +
[Arthropoda](#) +
[Insecta](#) +
[Hymenoptera](#) +
[Apoidea](#) +
[Apidae](#) +
[Apis](#) +
[Apis mellifera](#) Linnaeus 1758

[Archaea](#) +
[Bacteria](#) +
[Chromista](#) +
[Fungi](#) +
[Plantae](#) +
[Protozoa](#) +
[Viruses](#) +

TABLE OF CONTENTS

- Overview
- Brief Summary**
- Comprehensive Description
- Distribution
- Physical Description
 - Morphology
 - Size
- Ecology
 - Habitat
 - Trophic Strategy
 - Associations
- Life History and Behavior
 - Behavior
 - Life Expectancy
 - Reproduction
- Molecular Biology and Genetics
 - Nucleotide Sequences
 - Barcode
- Conservation
 - Conservation Status
 - Threats
 - Management
- Relevance to Humans and Ecosystems
 - Benefits
- Wikipedia
- References and More Information
 - Biodiversity Heritage Library
 - Literature References
 - Content Partners
- Names and Taxonomy
 - Related Names
 - Synonyms
 - Common Names
- Biomedical Terms
- Page Statistics
- Content Summary

BRIEF SUMMARY

Biology

SOURCE AND ADDITIONAL INFORMATION

SUPPLIER: [ARKive](#) [ARKIVE](#)
RIGHTS HOLDER: [Wildscreen](#)
LICENSE: [Some rights reserved](#) [BY-NC-SA](#)
SOURCE URL: [View original data object](#)
INDEXED: March 19, 2010

The hive structure consists of wax 'honeycombs', each honeycomb is made of small cells, which are used to store food or to rear the brood. Bees feed on nectar and pollen taken from flowers; stores of honey (regurgitated nectar) and pollen (gathered on the legs in special 'pollen baskets') see them through the winter (5). Honey bees have a complex system of communication; when a good supply of flowers has been discovered, a returning forager can convey the location of the food to other workers by means of special dances. The discovery of a good foraging location is announced by the 'round dance' in which the forager circles around rapidly, while the 'waggle dance', involving a rapid movement of the tail, contains information on the distance and direction of the flowers in relation to the hive, using the sun as a compass (5). The queen is the only bee within the colony to lay eggs, the workers care for the brood, and carry out many other duties for the hive, including foraging and cleaning (5). The queen mates just once, on a 'nuptial flight' during spring, and stores enough sperm inside her body to allow her to fertilise her eggs for the rest of her life. Eggs are laid from March to October; each egg is deposited into a cell, and a small, white larva emerges after around 3 days. Workers provide the larva with food; after 6 days the pupal stage will develop, and the workers cap the cells containing fully developed larvae with wax. The adult bee will climb out of the cell 12 days later. Drones (males) are produced from unfertilised eggs, and appear in the colony during spring and early summer; they take three days longer to develop into adults than workers, and are ejected from the colony later in the year by the workers (5). Both worker and queen bee larvae are fed on a rich liquid known as 'royal jelly' in the first days of life. Workers are then fed on pollen and nectar, but larvae that continue to be given royal jelly develop into queens. The first new queen to emerge may sting the other developing queens to death. After mating she may either take the place of her mother (who may have departed the hive in a swarm, taking half of the workers with her), or establish a new colony (5).

Overall: ★★★★★ Your Rating: ☆☆☆☆☆

CONTRIBUTE

This page has 1 curator.
Last curated: 22 Sep 2010

- [Latest Changes](#)
- [Submit an image](#)
- [Submit text](#)
- [More information on how to help](#)

EXPLORE

- [Apogon atradorsatus](#) Heller & Snodgrass, 1903
Blacktip cardinalfish
- [Canthidium gigas](#) BALTHASAR, 1939
- [Carapus mourtani](#) (Petit, 1934)
Star pearlfish
- [Thionia rotundifolia](#) (Mill.) S. F. Blake
Mexican Sunflower
- [Neomyxus leuciscus](#) (Günther, 1872)
Acute-jawed mullet

~ 210,120 con al menos dos objetos de datos validados

~ 431,513 con al menos un objeto de datos validado

~ 515,744 con texto, imágenes o ambos

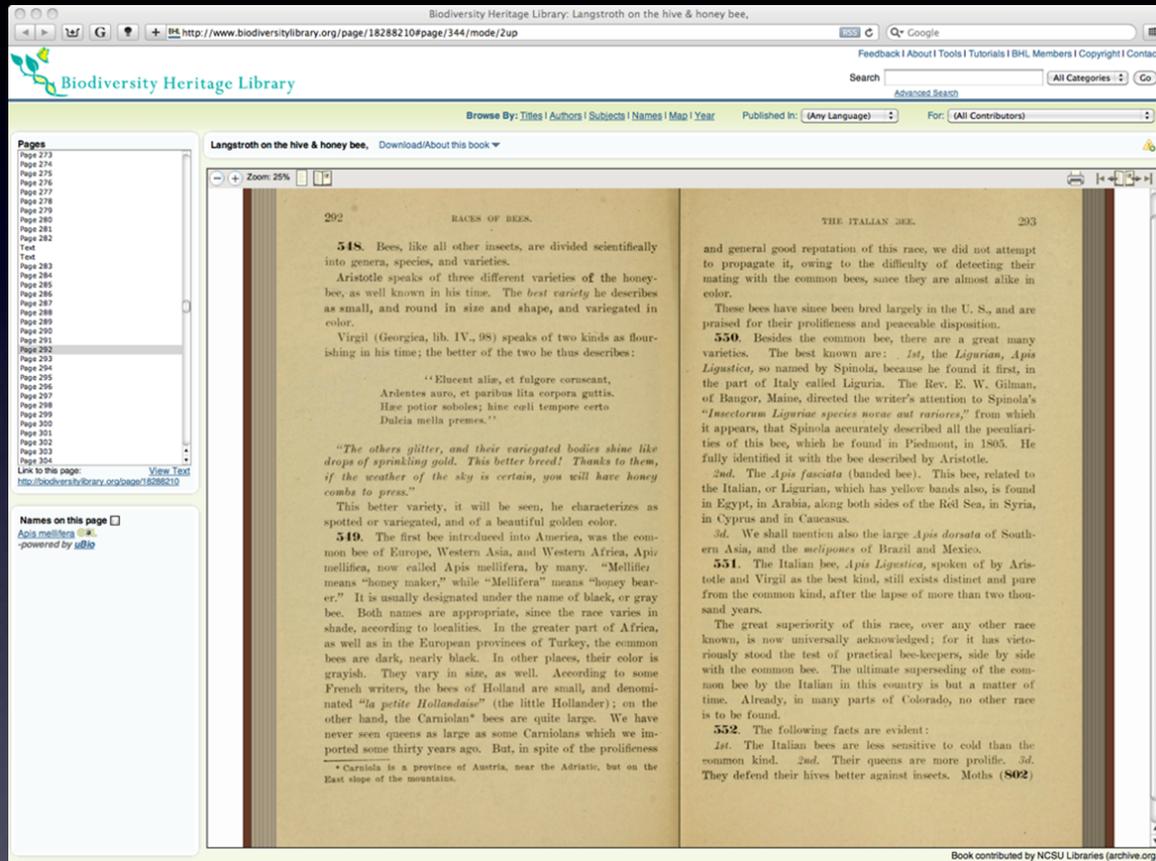
~ 683,000 con solo referencias bibliográficas

~ 1.6M con solo el nombre científico

Lista de especies emblemáticas a describir

(hot list)

| PROPOSED HOTLIST TARGETS (OF 70k PAGES) | RICH PAGES | TRANSITIONAL PAGES | MINIMAL PAGES | NAMES-ONLY PAGES |
|---|------------|--------------------|---------------|------------------|
| July 2010 | 15,000 | 18,000 | 12,000 | 25,000 |
| July 2011 | 17,500 | 27,500 | 19,000 | 5,000 |
| July 2012 | 35,000 | 15,000 | 19,000 | 1,000 |



~82,000 volúmenes

~33,000,000
páginas

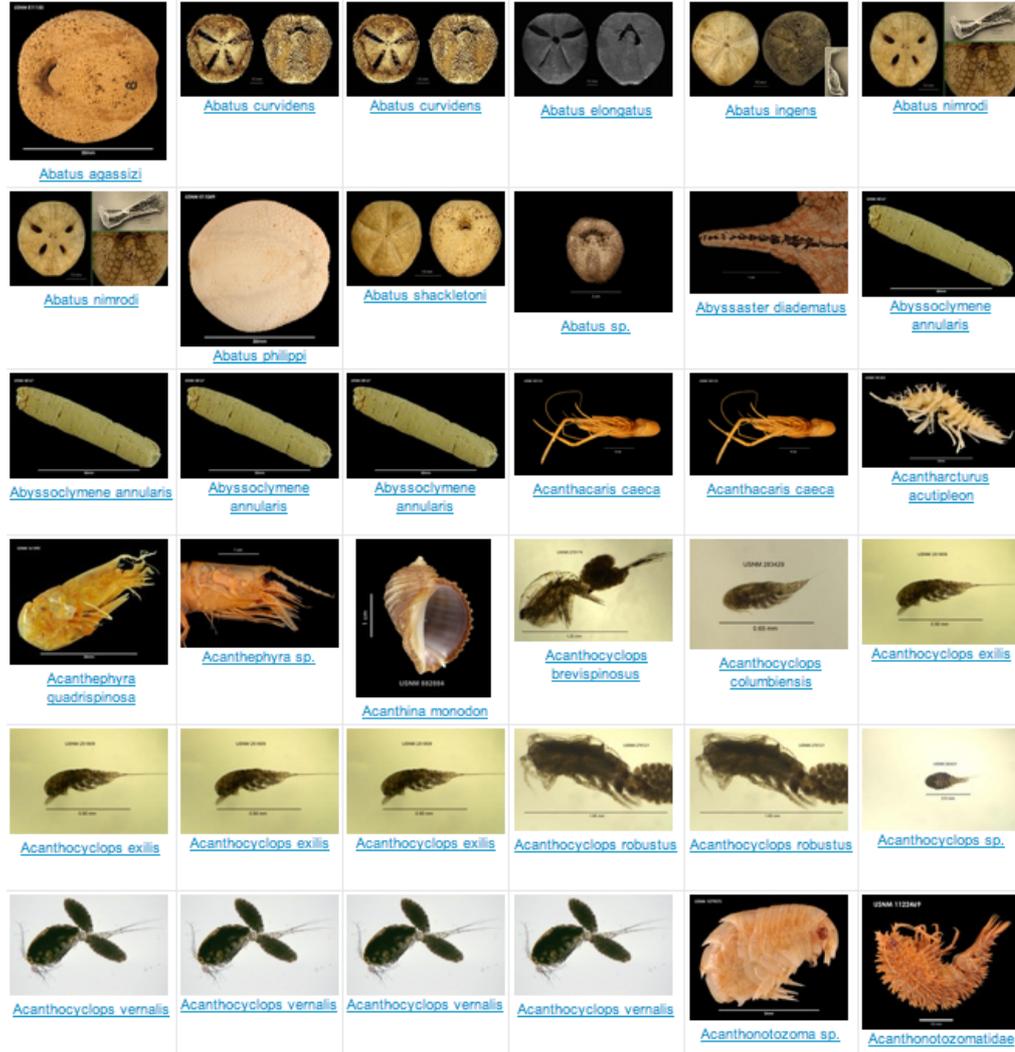


Pages with content contributed by National Museum of Natural History Image Collection

National Museum of Natural History Image Collection has contributed to a total of 5532 pages.

Research collections of the National Museum of Natural History are available to the public via a standard web interface. A total of 5,209,737 specimen records are currently available from this facility. Of these, approximately 292,000 represent all of the museum's available extant biological primary type specimen records.

« Previous [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) ... [153](#) [154](#) Next »



« Previous [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) ... [153](#) [154](#) Next »

106 content partners

5 Regional EOLs

611 curadores
registrados

33 Rubenstein Fellows



Encyclopedia of Life Images

Group Pool | Discussion | 2,124 Members | Map | Join This Group

Share This

Group Pool 63,220 items | Only members can add to the pool. [Join?](#)



» More



treegrow (a group admin) says:

01 Nov 10 - Remember: This group is for **Creative Commons** images only! [Please check your licenses and add machine tags](#) so our harvester can import your images!

Scroll down for more information or try the [EOL Flickr Tutorial](#).

The next EOL Image Contest: **Deadly** is open for **voting** (see Discussion).

Discussion 177 posts | Only members can post. [Join?](#)

| Title | Author | Replies | Latest Post |
|---|-----------------------------|---------|----------------|
| NEW Contest 039:Deadly:VOTE | treegrow | 19 | 12 minutes ago |
| CLOSED: Contest 038:Triangular:WINNERS:Arthur Chapman & Lynette S. | treegrow | 35 | 8 days ago |
| Big News Story: flickr facilitated Humpback whale match Ahwc#1363 | veimaya | 4 | 8 days ago |
| CLOSED: Contest 037:Invaders:WINNERS:(manda) & Lynette S. | treegrow | 29 | 3 weeks ago |
| Quality Control Report? | Chris_Moody | 6 | 5 weeks ago |
| CLOSED: Contest 036:Juveniles:WINNERS:Lynette S. & balharsh | treegrow | 38 | 5 weeks ago |

Search discussions

SEARCH

» More

~ 2,124 miembros

~ 63,220 fotos

agosto.2009 – julio.2010

Google Analytics 1.7M unique visitors (+48%)

2.4M visits (+48%)

6.2M page views (+35%)

Retos



Encyclopedia of Life

Sostenibilidad

Globalización

Involucramiento de
comunidad científica

Involucramiento de
educadores/estudiantes

agosto.2009 – julio.2010



Encyclopedia of Life

80% de usuarios
visitaron 4 veces o
menos

90% de usuarios
vieron 4 páginas o
menos



Encyclopedia of Life

Público general

Citizen Scientists

Científicos

1. Infraestructura de datos

- Mejorar la agregación de contenidos por parte de trusted y un-trusted partners. Mejorar **herramientas para curadores**.
- Mejorar el apoyo e infraestructura para administrar un ambiente de **desarrollo** distribuido tipo **open source**.
- Desarrollar infraestructura para un modelo de servidores replicados; explorar el implementar EOL v2 en un ambiente de "**cloud computing**". Implementar infraestructura para **internacionalización** y ejemplificarla con versión en inglés y árabe.
- Mejorar el **manejo de nombres** mediante views para jerarquías además de views para el concepto de taxón.
- Implementar páginas para llevar métricas a nivel de taxón para hacer **análisis macroscópico** de datos de EOL.
- Crear una **versión machine-readable** de las páginas de especies de EOL para que sea un "ingrediente" de sistemas.



Encyclopedia of Life

2. Curación de contenidos

- Implementar herramientas tipo **crowd-sourced peer review** para mejorar la agregación de datos a un taxón.
- Mejorar **ciclos de retroalimentación** entre usuarios, curadores y proveedores.



Encyclopedia of Life

3. Presentación de contenidos e interacción

- Rediseñar la interface de EOLv2 para incrementar la interacción en eol.org, motivar el **uso reiterado** y **aumentar los contenidos**.

- Mejorar el manejo de **referencias bibliográficas**.

- Brindar **capacidades aumentadas de búsqueda** (e.g., full text search, people search, list search).

- Mayor soporte a **“live maps”** en páginas de taxones.



Encyclopedia of Life

4. Apoyo

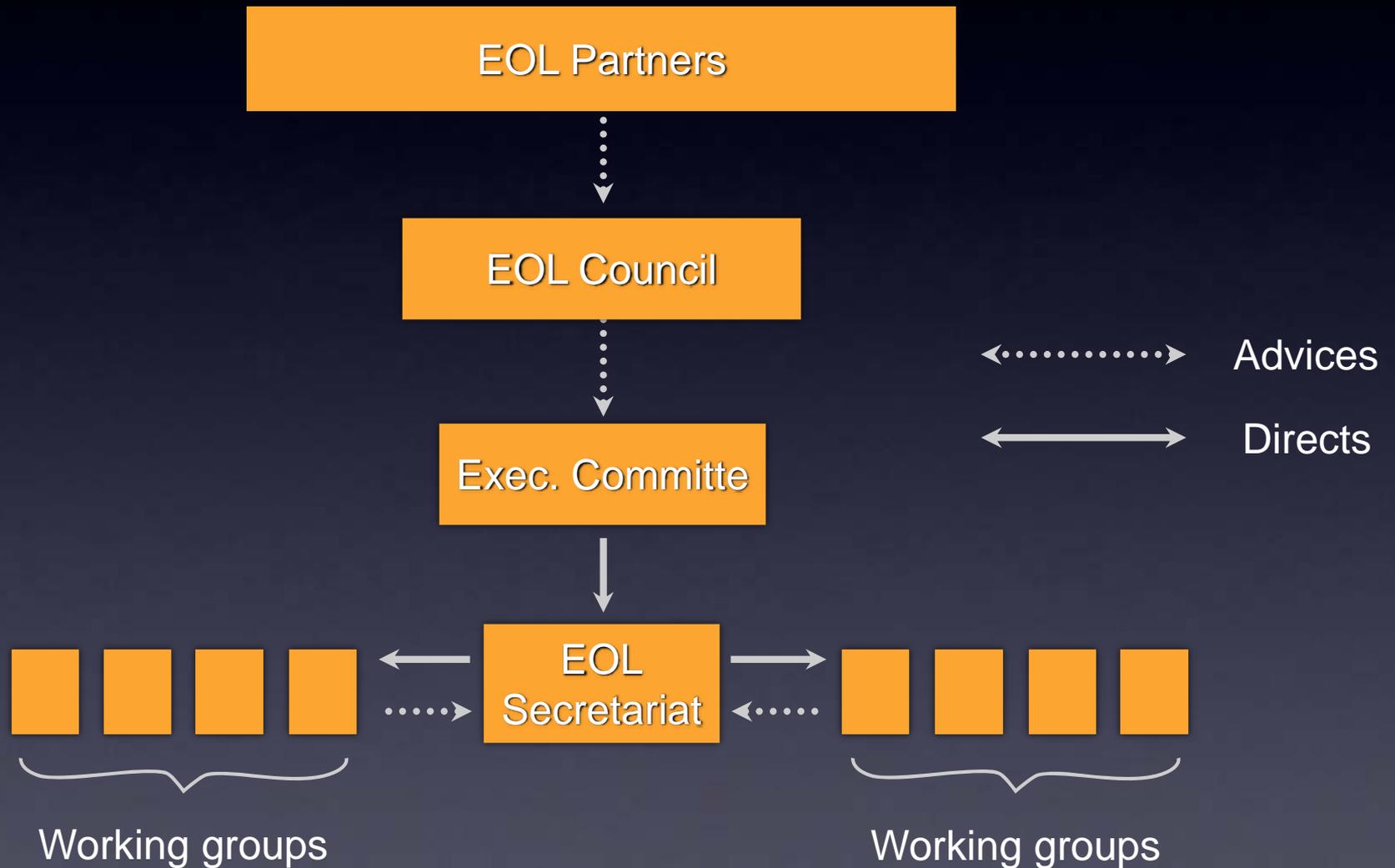
- Aumentar el soporte técnico y administrativo, el mercadeo, términos de uso y legales.



Encyclopedia of Life

Governanza

Modelo Global de Governanza



Sostenibilidad

Sostenibilidad

- Cornerstone institutions: incluir actividades relacionadas con EOL dentro de las cotidianas
- Promover y apoyar las EOL regionales y temáticas
- Apoyar esfuerzos de levantamiento de fondos para componentes y regiones

Oportunidades

Oportunidades

- EOL v2 puede ser una plataforma para integrar información a nivel de Iberoamérica, subregión o país.
- Apoyo en capacitación/participación en talleres.
- Iniciativa global “sombrija” que puede ayudar en la búsqueda de fondos.
- Consolidación del Plinian Core

www.eol.org



Encyclopedia of Life



Source: www.flickr.com/photos/johnlemon/253411081/