

### **Biodiversity Heritage Library**

William Ulate R. Global BHL Coordinator BHL US/UK Technical Director

BHL Africa Launch Pretoria National Botanical Garden April 15, 2013



### What is BHL?

Access to literature is particularly important to taxonomic researchers

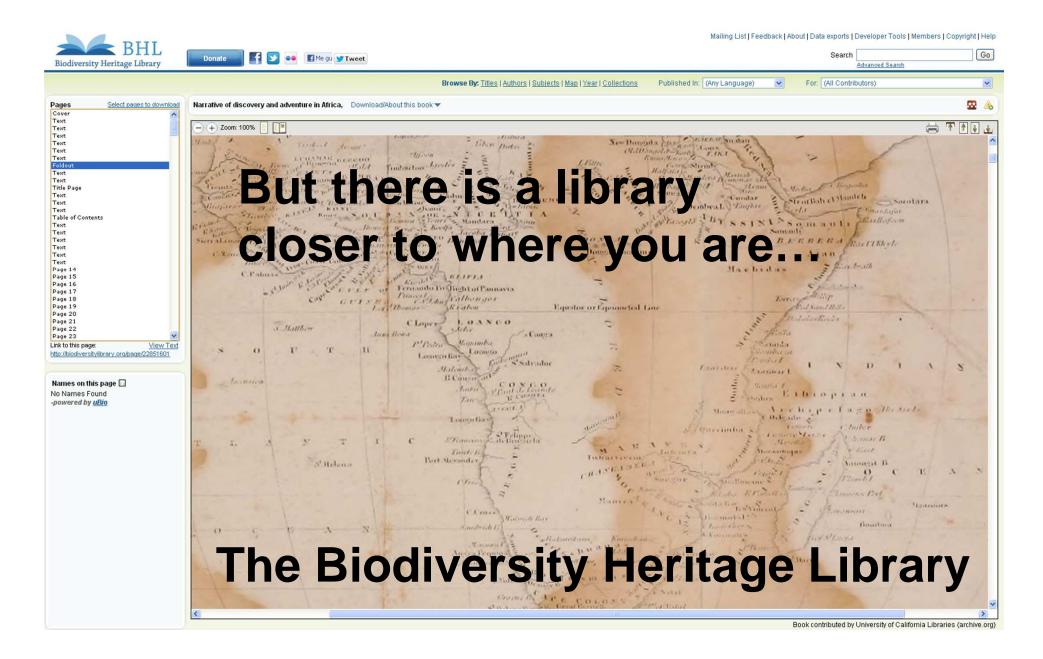
Source: Biodiversity Heritage Library for Europe , http://www.youtube.com/watch?v=bJUMH9z91UQ



# All we know for some organisms... ... is a brief description in a hard to find book... ... held in one of the great natural history or botanical libraries... A library that is, all too often far from the reader!

Source: The Biodiversity Heritage library: Extensive. Open. Global, http://www.youtube.com/watch?v=AOpuLTBocOA







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The freeing of knowledge may lead to new discoveries and changes in the way the natural world is perceived

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## What is BHL?

The Biodiversity Heritage Library is a consortium of natural history and botanical libraries that cooperate to digitize and make accessible the legacy literature of biodiversity held in their collections and to make that literature available for open access and responsible use as a part of a global "biodiversity commons."



### Extensive

Agricultural ecology Animal behavior Animal culture Animal husbandry Aguaculture Bioacoustics Biochemistry Bioclimatology Biogeomorphology Bioluminescence Biomechanics Collection & preservation Conservation biology Continental drift Coral islands, reefs, & atolls Ecology Economic botany Ecophysiology Ecosystems Embryology Anatomy Algae Amphibia Forestry Evolutionary genetics. Angiosperms Arachnida Arthropoda Genetics Geomicrobiology Atlases & gazetteers Biodiversity conservation Horticulture Geobiology Biological diversity Botany Bryology Classification & nomenclature Cyanobacteria Endangered species Entomology Evolution Extinction Ferns & allies Fungi Gymnosperms Geographical distribution History of natural sciences Ichthyology Invertebrates Linnaean works Mammalia Marine biology Medical botany Mollusca Morphology Natural history biographies Natural history dictionaries & encyclopedias Ornithology Paleobotany Paleozoology Phylogenetic relationships Pre-Linnaean works Primatology Plant anatomy Porifera Protozoa Reproduction Reptilia Scientific illustration Specimen catalogs Systematics Taxonomy Microbial ecology Scientific expeditions Zoology Natural history bibliographies Natural history directories Natural history terminology Oceanography Phenology Physical anthropology Plant conservation Plant culture Plant ecology Plant lore Plant physiology Plate tectonics Radioecology Restoration ecology Soil ecology Stratigraphy Taxidermy Virology Vivariums, terrariums, & aquariums Wild animal trade Wildlife conservation Zoos



Open



Data Exports

### View the Privacy Policy and Terms Of Use.

For information about harvesting our data via OAI, please see our Developer Tools and API page

### Data Licensing

The BHL makes its metadata available for public use under the <u>CC0 1.0 Universal (CC0 1.0) Public Domain Dedication license</u> <sup>20</sup>. This Creative Commons license allows you to reuse, modify, repurpose, and distribute the metadata for all purposes including commercial and non-commercial, with no need to ask for permission.

### Metadata in this case, refers to:

- · Library catalog records, i.e. bibliographic data, used to describe the books and journals in the BHL collection (e.g. title and author data).
- Page level data such as page numbers and pages types (e.g. "Title page" and "Illustration").
- Scientific name data, e.g. "Zea mays". (For more information about how this data is generated, see the <u>Data Exports</u> page).

Go ahead, take our metadata and do something creative with it! If you do repurpose BHL metadata please share your story with us 8. We often like to feature stories of reuse on our BHL blog 8.

### Data Exports

A series of files is now available for download that will enable libraries and other data providers to identify digitized titles available within BHL. These files also include metadata about each volume scanned, as well as information about the millions of scientific names that have been identified throughout the BHL corpus and the pages on which those names occur. For more information, please refer to <u>our blog post regarding our data exports</u><sup>[2]</sup>. Data exports were updated to include Library of Congress Subject Headings (LCSH) in March of 2009 and creators, or authors, as of March 2011.

Download documentation: http://www.biodiversitylibrary.org/data/BHLExportSchema.pdf

### Data exports are updated at the beginning of every month in the following formats:

### MODS

- Download BHL Titles in MODS XML (67MB+)
- Download BHL Titles in MODS XML zipped <sup>™</sup> (7MB+)
- Download BHL Items/Volumes in MODS XML # (143MB+)
- Download BHL Items/Volumes in MODS XML zipped <sup>20</sup> (13MB+)

### EndNote

- Download BHL Titles in EndNote format <sup>(2)</sup> (3MB+)

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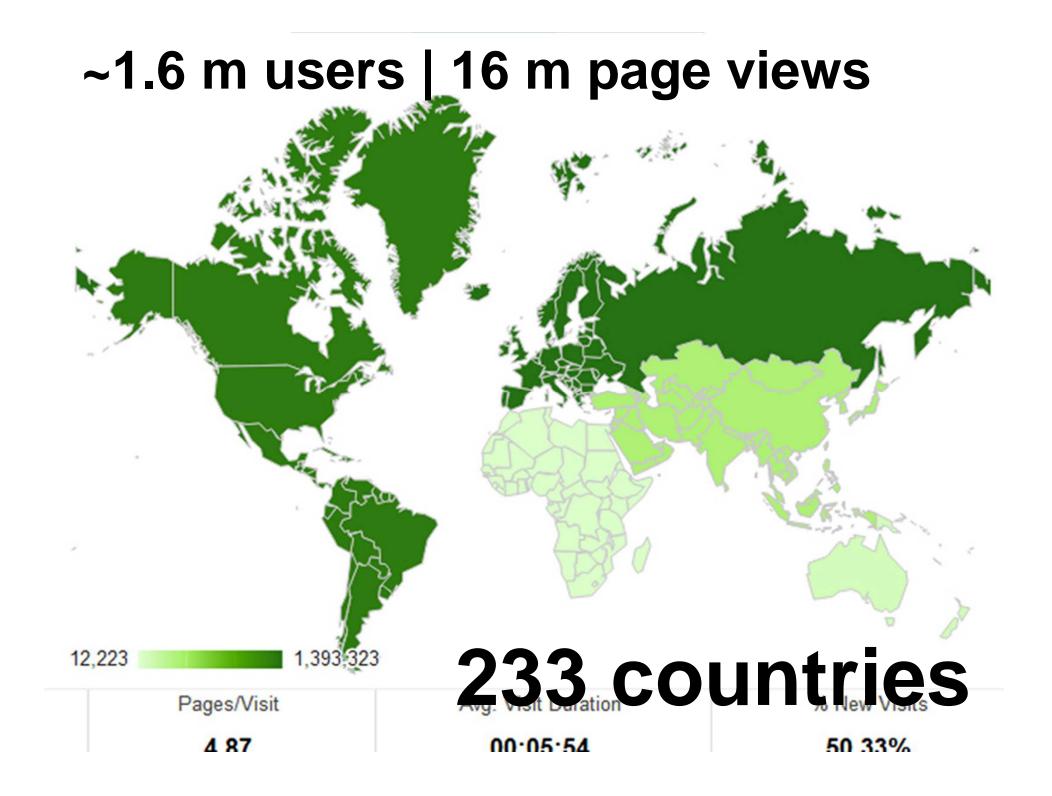
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### Biodiversity Heritage Library

# BHL Thank you

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### **Credits:**

Martin Kalfatovic, Chris Freeland, BHL-Europe, BHL-Australia and so many other BHL Colleagues whose valuable contributions make BHL what it is!