

# Global Biodiversity Heritage Library

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# Global BHL



# Global data sharing requires a social infrastructure



# Benefits of Global BHL partnerships

- Redundancy & resilience
  - Data & App Mirroring
- Unique content
- New tools & services
- Opportunities for collaborations
  - Ex: IMPACT, ViBRANT, OpenUp! in EU



# BHL-US/UK



A screenshot of the Biodiversity Heritage Library website as viewed in a Windows Internet Explorer browser. The browser window title is "Biodiversity Heritage Library - Windows Internet Explorer provided by Missouri Botanical Garden". The address bar shows "http://www.biodiversitylibrary.org/". The page features a search bar, navigation links like "Browse By: Titles | Authors | Subjects | Map | Year", and a "Now Online" section with statistics: 47,180 titles, 92,048 volumes, and 34,250,671 pages. A "Featured Collection" section highlights "Darwin" and "Charles Darwin's Library". The main content area is titled "Search the Biodiversity Heritage Library" and includes a search input field and a "Search" button. Below the search field, there is a welcome message and a detailed description of the library's mission and search instructions. The browser's status bar at the bottom shows "Internet" and "100%".

[www.biodiversitylibrary.org](http://www.biodiversitylibrary.org)

# Coming soon



- Enhancements to home page
  - More focus on search
- Special collections
  - Charles Darwin's personal library
- Scholarly annotations
  - Annotations in Darwin's hand & academic interpretation, crosslinking

# Outreach via social media



- No budget for print media, so go with “free” channels

**facebook**

<http://www.facebook.com/pages/Biodiversity-Heritage-Library/63547246565>

<http://www.facebook.com/group.php?gid=2413693109>



<http://twitter.com/BioDivLibrary#BHLib>



<http://biodiversitylibrary.blogspot.com>



<http://www.flickr.com/groups/bhl/>



# DOIs



- BHL member of CrossRef through Smithsonian
- Will start assigning DOIs to BHL monographs
  - Easy, non-controversial?
- Then move on to articles / other publication types
  - CrossRef rules make full assignment challenging for crowdsourced articles



# Wishlist: 2011 & beyond



- OCR Correction
  - Big problem with no easy solution
- More Content
  - Partnerships, CiteBank
- More Outreach
  - Conferences, marketing, Facebook & social media
- Sustainability planning & funding
  - Committed to no fees for users

# BHL-Europe



The screenshot shows the BHL-Europe website interface. At the top, the browser address bar displays 'www.bhl-europe.eu'. The website header includes the 'BHL Biodiversity Heritage Library EUROPE' logo and navigation links for 'BHL Wikispace for members' and 'Contactez-nous'. A left-hand navigation menu lists various sections: Accueil, Présentation, Lettre d'informations, Nouvelles, Événements, Résultats, Partenaires, Projets corrélés, Liens, and Crédits & Droits. The main content area features a central image of a peacock with the caption 'Pavo cristatus'. Below this, a text block describes the project: 'The Biodiversity Heritage Library for Europe (BHL-Europe) « Biodiversity Heritage Library for Europe » (BHL-Europe), littéralement Bibliothèque du Patrimoine de la Biodiversité pour l'Europe, est un projet triennal impliquant 28 institutions européennes majeures, musées d'histoire naturelle et jardins botaniques, avec la coopération d'autres institutions.' Further text explains the project's goal to make European biodiversity literature accessible through digital libraries. A search bar is visible on the left, and social media links for Europeana and Facebook are at the bottom.

[www.bhl-europe.eu](http://www.bhl-europe.eu)

# BHL-China



A screenshot of the BHL-China website. The browser address bar shows 'www.bhl-china.org/cms/'. The page header includes the BHL-China logo and the text 'BHL 中国节点'. Below the header is a navigation menu with links: '首页', '数据检索', '联系我们', 'BHL主站', '文献资源', '数字化图书馆', '信息反馈', '申请扫描', '用户登录'. A search bar is present with the text '学名或中文名:' and buttons for '本站搜索' and 'BHL中搜索'. A '典理图书推荐' section shows a carousel of botanical illustrations. A '最新blog文章' section lists several news items. A '搜索' section includes a 'Google' search box and a '搜索' button. A '语言' section offers '简体中文' and 'English'. The main content area features two articles: 'BHL-China 数据 (2011-5-18更新)' and '关于BHL-China'. A large blue URL 'http://www.bhl-china.org' is overlaid at the bottom of the page.

<http://www.bhl-china.org>

# BHL-Australia



Home : About the Atlas : Atlas Projects : BHL / Digital Literature

## BHL / Digital Literature

About the Atlas

- A Work In Progress
- Atlas Partners
- Working Together
- Atlas Contributors
- Project Time Line
- Atlas Projects**
- Annotations
- BHL / Digital Literature**
- BioMICS
- BOLD / Molecular Data
- Citizen Science
- Collection Data Management
- Data Management
- Mapping: the Spatial Portal
- Morphbank / Imaging
- National Species Lists
- Species Identification Service
- Species Identification
- Specify
- TRIN Tools for Collaboration

### Biodiversity Heritage Library

#### The Problem

Libraries – particularly those in natural history museums, herbaria, research institutes and universities around the world - collectively hold most of the published information on the discovery and description of biological diversity. However no physical library could ever be large enough to house and provide access to every taxonomic publication. Nor could any physical library ever collect all the rare publications that hold descriptions of new species, some of which date back several hundred years.

Library collections are as idiosyncratic and distributed as specimen collections, reflecting the research interests over time of the people who have built them. And, although libraries have developed ways to provide access to hardcopy publications, through interlibrary loan systems and sharing catalogue data, actually seeing many publications is still difficult.

In Australia, for example, many early locally published works had a distribution limited by distance. Small journals and monographs can often only be found in Australian libraries, and are sometimes rare even there.

#### Why this is so important

This knowledge is exceptionally valuable because the systematic study of biology and biodiversity depends upon historic literature more than any other science.

*The cultivation of natural science cannot be efficiently carried on without reference to an extensive library – Charles Darwin, et al (1847)*

Key information held in the biodiversity literature over the last 250 years is used for a wide range of purposes, including scientific research, education, taxonomy, biodiversity conservation, natural resources management, disease and pest control and the maintenance of ecosystem services.

For example, the naming and taxonomical classification of living organisms provide the basis for linking disciplines such as evolution, biology, taxonomy, genetics, agriculture and conservation and this requires access to authoritative taxonomic descriptions which are traditionally held in libraries.

#### The Solution

The key solution is to use the internet to break down the walls of the physical library by *digitising* the publications or taking

<http://www.ala.org.au/>

# BHL-Egypt



Biodiversity Heritage Librar... Home - Bibliotheca Alexand... Digital Assets Repository 3...

dar.bibalex.org/webpages/dar.jsf

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<http://www.bibalex.org>

# BHL-Brazil



A screenshot of a web browser window showing the SciELO Brazil homepage. The browser's address bar displays "www.scielo.br/?lng=pt". The page features the SciELO Brazil logo at the top center. Below the logo, there are four columns of links: "Registre-se Gratuitamente", "SciELO.org avaliação de periódicos", "english", and "español" in the first column; "periódicos", "lista alfabética", "lista por assunto", and "pesquisa de títulos" in the second; "artigos", "índice de autores", "índice de assuntos", and "pesquisa de artigos" in the third; and "relatórios", "uso do site", "citações de revistas", and "co-autoria" in the fourth. A section titled "Ajuda sobre este site equipe SciELO" is also visible. The main content area includes a "SciELO" section with a description of the library and its origins, and a "sobre este site" section with more details about the project's goals and objectives. A large blue URL "http://www.scielo.br/?lng=pt" is overlaid on the bottom half of the screenshot.

<http://www.scielo.br/?lng=pt>

# Thank You!

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