

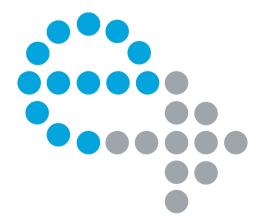


ViBRANT

Virtual Biodiversity

Scratchpads: *a standard implementation using Drupal*

Dave Roberts, Vladimir Blagoderov, Simon Rycroft,
Ben Scott, Ed Baker, Irina Brake,
Laurence Livermore & Vince Smith



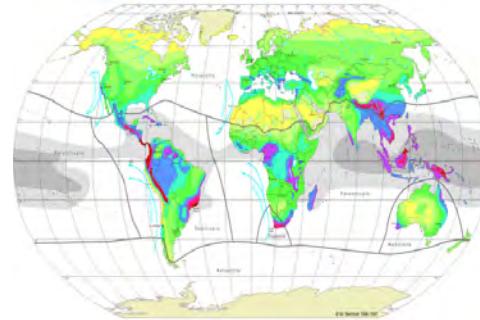
1. An outline of the problem that Scratchpads seek to address;
2. The technical basis of the system;
3. The features of the system;
4. Developments in the near future.

Macro taxonomy

The foundation for biodiversity research

Goal...

- Inventory the Earth's species
- Document their relationships
- “Publish” & apply these data



Data set...

- 1.8 M described spp. (10M names)
- 300M pages (over last 250 years)
- 1.5-3B specimens



People...

- 4-6,000 scientists
- 30-40,000 “pro-amateurs”
- Many more citizen scientists?



Micro taxonomy

The process of taxonomic research

Sociology...

- Parochial
- Specialised experts
- Fragmented & distributed

Methodology...

- Different (domain specific)
- Communities of practice
- Non transferable skills

Output...

- Heterogeneous & scattered
- High volume, low impact
- Hard to find (use)



Micro taxonomy

The process of taxonomic research

Sociology...

- Parochial
- Specialised experts
- Fragmented & distributed

Methodology...

- Communities of practice
- Epistemological richness!
- Non transferable skills

Output...

- Heterogeneous & scattered
- High volume, low impact
- Hard to find (use)



Traditional scholarly communication

“Paper-minds”

Issues...

- 50% descriptions are copyright (1923)
- Author pays model problematic (indiv. & societies)
- Limited Open Access and accessibility
- High transaction costs of publishing
- No mechanism for updates & corrections
- Little or no data integration (except citations)
- No mechanism for community engagement

Result...

- Most taxonomic “knowledge” is never published
- What is published cannot be mobilised
- Low impact (but long half life)



Managed Web Support

The NHM experience



Lepidoptera



Chalcid Wasps



British Fleas



Martian Meteorites



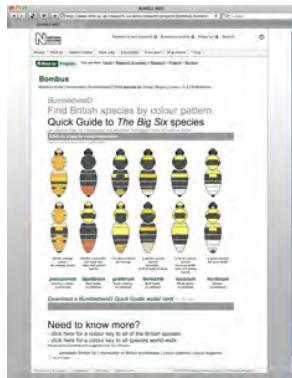
Spanish Sandflies



Loch Ness Worms



Solanaceae



Bumble bees

Pros

- High quality
- Bespoke
- Branded*

Cons

- Limited control
- Limited updates
- NHM centric
- No services
- No ownership
- No connectivity
- Protracted & slow

Managed Web Support

The NHM experience

Science Databases

Audit of jdsml databases

Whale strandings

Zoology ostracods (Zoology)

Dipterocarp seed predators (Entomology)

Weevil genera/species (Entomology)

Palynology collection - Eaton database (Palaeontology)

Acari - ticks and mites (Entomology)

Challenger foraminifera (Paleontology)

Fossil birds (Palaeontology)

Furvpterid catalogue (Palaeontology)

Echinoid catalog

Echinoid Directory

Nannofossil databases (Palaeontology)

Web Bottlenecks

- Technology
- Management



What is a Scratchpad?

A website for you & your community



Magic

Your data



Your web site

Explosion of Web 2.0

Solutions to technical and management bottlenecks



Content Management Systems

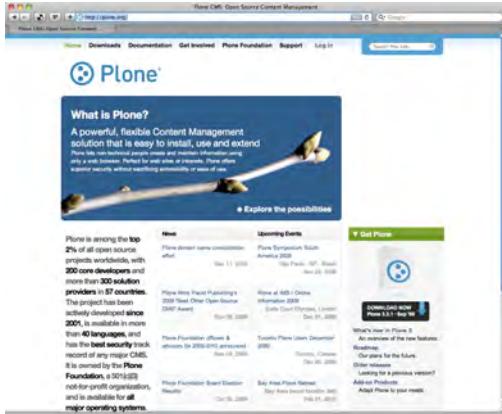
Provide the basic web publishing functions



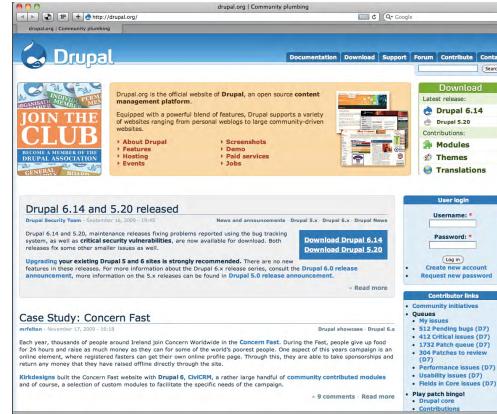
Joomla



WordPress



Plone



Drupal

Drupal's strength - “community”

Support the social processes of web publishing

The screenshot shows the Drupal.org homepage with a focus on community features. At the top, there's a banner for joining the Drupal Association. Below it, a main content area highlights the release of Drupal 6.14 and 5.20. To the right, there's a sidebar for 'Download' with links to the latest releases (Drupal 6.14 and 5.20) and contributions like modules, themes, and translations. A 'User login' form is also visible. On the left, a 'Case Study: Concern Fast' is shown, detailing a campaign where people give up food for 24 hours to raise money for the world's poorest people. The site uses a clean, modern design with a blue and white color scheme.

drupal.org | Community plumbing

drupal.org | Community plumbing

Drupal

Documentation Download Support Forum Contribute Contact Search

JOIN THE CLUB

BECOME A MEMBER OF THE DRUPAL ASSOCIATION

GENERAL BOARD

Drupal.org is the official website of **Drupal**, an open source **content management platform**.

Equipped with a powerful blend of features, Drupal supports a variety of websites ranging from personal weblogs to large community-driven websites.

» About Drupal
» Features
» Hosting
» Events

» Screenshots
» Demo
» Paid services
» Jobs

Latest release:
Drupal 6.14
Drupal 5.20

Contributions:
Modules
Themes
Translations

User login

Username: *
Password: *

Log in
Create new account
Request new password

Drupal 6.14 and 5.20 released

Drupal Security Team - September 16, 2009 - 19:45

News and announcements · Drupal 5.x · Drupal 6.x · Drupal News

Drupal 6.14 and 5.20, maintenance releases fixing problems reported using the bug tracking system, as well as **critical security vulnerabilities**, are now available for download. Both releases fix some other smaller issues as well.

Download Drupal 6.14
Download Drupal 5.20

Upgrading your existing Drupal 5 and 6 sites is strongly recommended. There are no new features in these releases. For more information about the Drupal 6.x release series, consult the [Drupal 6.0 release announcement](#), more information on the 5.x releases can be found in [Drupal 5.0 release announcement](#).

Read more

Case Study: Concern Fast

mrfelton - November 17, 2009 - 16:18

Drupal showcase · Drupal 6.x

Each year, thousands of people around Ireland join Concern Worldwide in the **Concern Fast**. During the Fast, people give up food for 24 hours and raise as much money as they can for some of the world's poorest people. One aspect of this years campaign is an online element, where registered fasters can get their own online profile page. Through this, they are able to take sponsorships and return any money that they have raised offline directly through the site.

Kirkdesigns built the Concern Fast website with **Drupal 6**, **CiviCRM**, a rather large handful of **community contributed modules** and of course, a selection of custom modules to facilitate the specific needs of the campaign.

» 9 comments · Read more

Contributor links

- Community initiatives
- Queues
 - My issues
 - 512 Pending bugs (D7)
 - 412 Critical issues (D7)
 - 1732 Patch queue (D7)
 - 304 Patches to review (D7)
 - Performance issues (D7)
 - Usability issues (D7)
 - Fields in Core issues (D7)
- Play patch bingo!
- Drupal core
- Contributions

Drupal - social networking

Comparing CMS systems

idealware

COMPARING OPEN SOURCE CONTENT MANAGEMENT SYSTEMS:
WORDPRESS, JOOMLA, DRUPAL AND PLONE



March 2009

THE COMPARISON CHART

That's a lot of considerations. How do they stack up across all the systems?

	WordPress	Joomla	Drupal	Plone
Ease of Hosting and Installation	●	●	●	○
Ease of Setting up a Simple Site	●	○	○	○
Ease of Learning to Configure a More Complex Site	●	●	○	○
Content Admin Ease of Use	●	○	○	●
Graphical Flexibility	●	●	●	●
Structural Flexibility	○	○	●	●
User Roles and Workflow	○	○	●	●
Community/ Web 2.0 Functionality	○	○	●	○
Extending and Integrating	○	○	●	●
Scalability and Security	○	○	○	●
Site Maintenance	●	○	○	○
Support/Community Strength	●	●	●	●

See Appendix A for detailed reviews of each system, and Appendix B for a description of how the systems were rated.

PAGE 14 Comparing WordPress, Joomla, Drupal and Plone • March 2009

idealware

http://www.idealware.org/comparing_os_cms/

Scratchpads

A multi-site implementation of Drupal



<http://scratchpads.eu>

Scratchpad Application Form

Free to any individual or community

The screenshot shows a web browser window titled "Apply | Scratchpads" with the URL "http://scratchpads.eu/apply". The page has a dark green header bar with the "Scratchpads biodiversity online" logo. Below the header is a navigation menu with links: Home, About, Sites, Training, Progress, Blogs, and Help. The main content area is titled "Apply" and contains instructions: "Fill out and submit the electronic form below to initiate your scratchpad application. (* Field Required)". The form is divided into sections:

- About You**:
Details about the maintainer of this Scratchpad.
 - Title:** *
 - Full Name:** *
At minimum this should be your first given name, and family name.
 - Email:** *
Your email address
 - Institution:** *
The institution with which you are most closely associated. If retired or amateur, please insert "N/A"
 - Country:** *
The country that you are based in.
- About Your Scratchpad**:
Information about your Scratchpad, including necessary API keys.
 - Site Title:** *
 - Taxonomic Scope:** *
The taxonomic group which best describes what taxa will be featured on your site. e.g. Insecta, Aves, Phthiraptera, Dragons
 - Proposed subdomain of myspecies.info:** *
[INSERT HERE].myspecies.info
 - Tips on choosing a domain name**
 - Mission statement:** *
A description of your site, including what information a user of your site is likely to find there. By default the mission statement will appear on the front page of your site (although this can be changed later).
 - Google API Key:** *

Flexible Template Site

With easy navigation

The Sandbox was last updated 33:07 (mins:seconds) ago. You have approximately 26:53 (mins:seconds) before the site is wiped.

Help Bibliography Contact us Forums

Scratchpad Sandbox

Home

Simple | Taxonomy [Go!](#)

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (4)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administer
- Groups
- My Unread

<http://www.primates.com/primate/ay-aye.jpg>

Task guide

Some tips to get you started:

Taxonomy

Add a [biological taxonomy](#) (vocabulary), and then [import a classification](#) into your new vocabulary. Adding a taxonomy allows you to create taxon pages, and automatically integrate and navigate content across your site.

Literature

[Import a bibliography](#), or [add a new reference](#). To make this work with your biological taxonomy, make sure one or more taxon names are mentioned in the reference. You can access your [full bibliographic list](#) at any time.

Users

[Add or list site users](#) in different 'roles'. Contributors can add and edit their own content, editors can also edit other peoples content, and maintainers can also access advanced administrative features. The [groups](#) feature allows users to create private areas that can be selectively shared.

Content

Use the [list content](#) link to find and manage all content (nodes) within your site. Every page found from there.

Images, Specimens and Locations

[Add images](#), [create galleries](#), and [view images](#) in the galleries. You can also [add and import specimens](#) and [view locations](#) with geographic locations.

Morphological and Molecular Data

Create and import projects (collections of taxa, characters and data) that can be edited with [MorphoJ](#).

Languages

Make your site multilingual by [adding languages](#), allowing users to provide translations of content.

Site Information

Change basic site [information](#), such as the site name, slogan, e-mail address, and misc. information. If you want to change the URL of your site, specify the page address at the bottom of this page. Otherwise snippets of new content will appear on every page.

feedback

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree 
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

An Ecosystem of Communities



A screenshot of the Scratchpads biodiversity online website. The main page displays a grid of nine thumbnail previews of different biodiversity community websites. The thumbnails include: African Dung Beetles Online, Fungus Gnats Online, Nannotax, The Alfred Russel Wallace Website, EDIT WP6, Diptera, Endopterygota (Holometabola) Insects, Website of the International Palaeoentomological Society (IPS), and polychaetes.info. Each thumbnail shows a small image of its content and a brief description.

on 24 Aug 11

Sites: 280

Users: 3466

Pages: 363k

Countries: >60

Since March 07

**Circa 2 new sites/wk
& 15 new users/wk**



Scratchpads

biodiversity online



Taxonomy & Literature

Lice, mosquitos, freeloader flies, ...
(rapid upload and management of names, synonyms & bibliographic data)

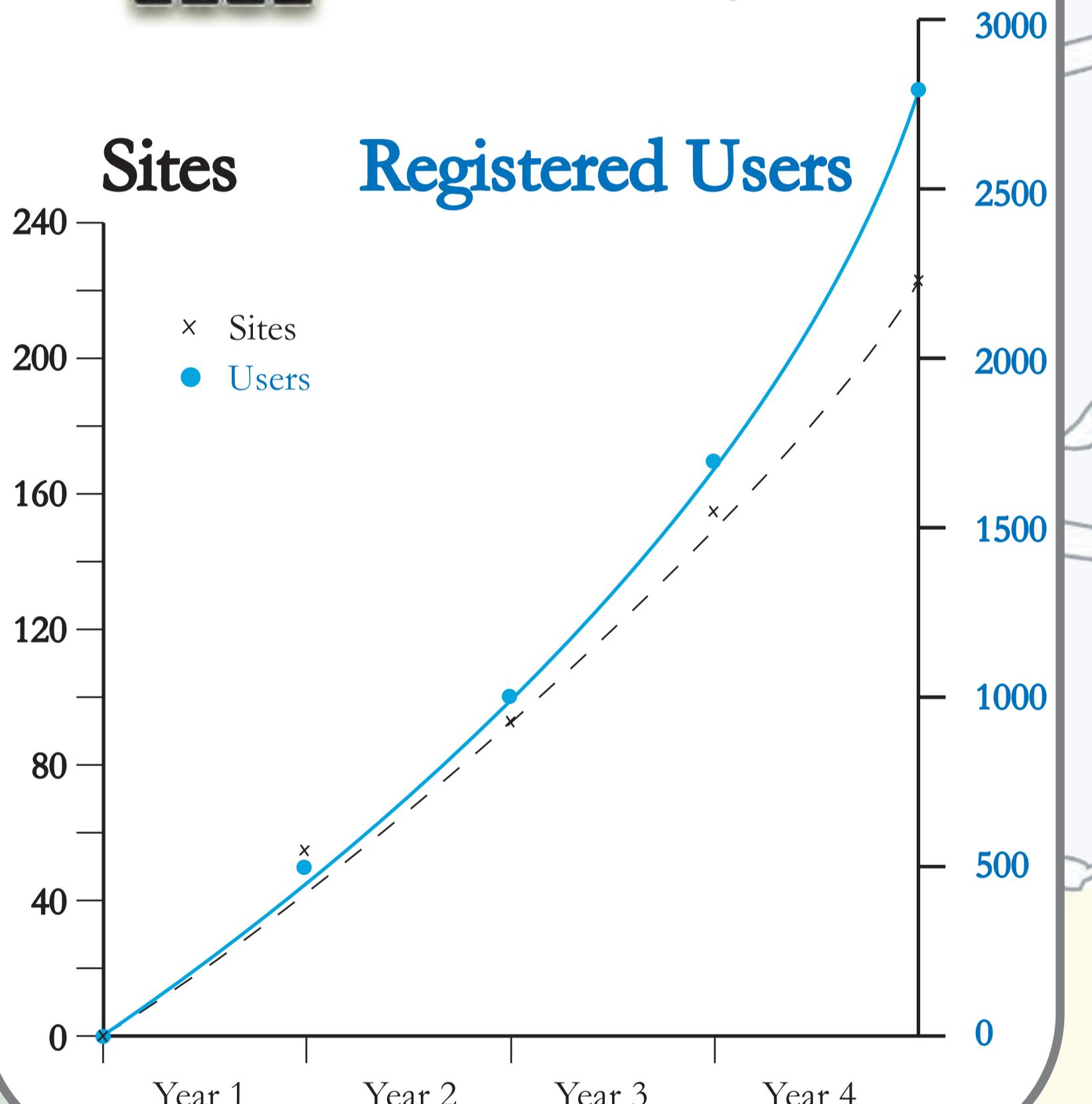
Taxon descriptions & Publications

Freeloader Flies, fungus gnats, ...
(publication of Scratchpad data in the ZooKeys journal and export to Encyclopedia of Life)

eJournals

European Mosquito Bulletin, Phasmid Studies, ...
(submission, review & dissemination of articles)

Sites Registered Users



Characters, Phylogeny & Specimens

Termites, bryozoa, ...
(character matrices exporting to SDD and Nexus format, phylogenies, specimen records & maps)

Image Galleries

Dragon trees, nanno fossils, cockroaches, fungi, polychaetes, ...
(rapid upload, annotation & display of images)

Societies, Organisations & Projects

ICZN, GBIF, Sampled Red List Index for Plants, Global Plants Initiative ...
(space for data collection, services, discussion & organisation)

Scratchpad Technical Overview

Scratchpad management

Scalable & sustainable technology



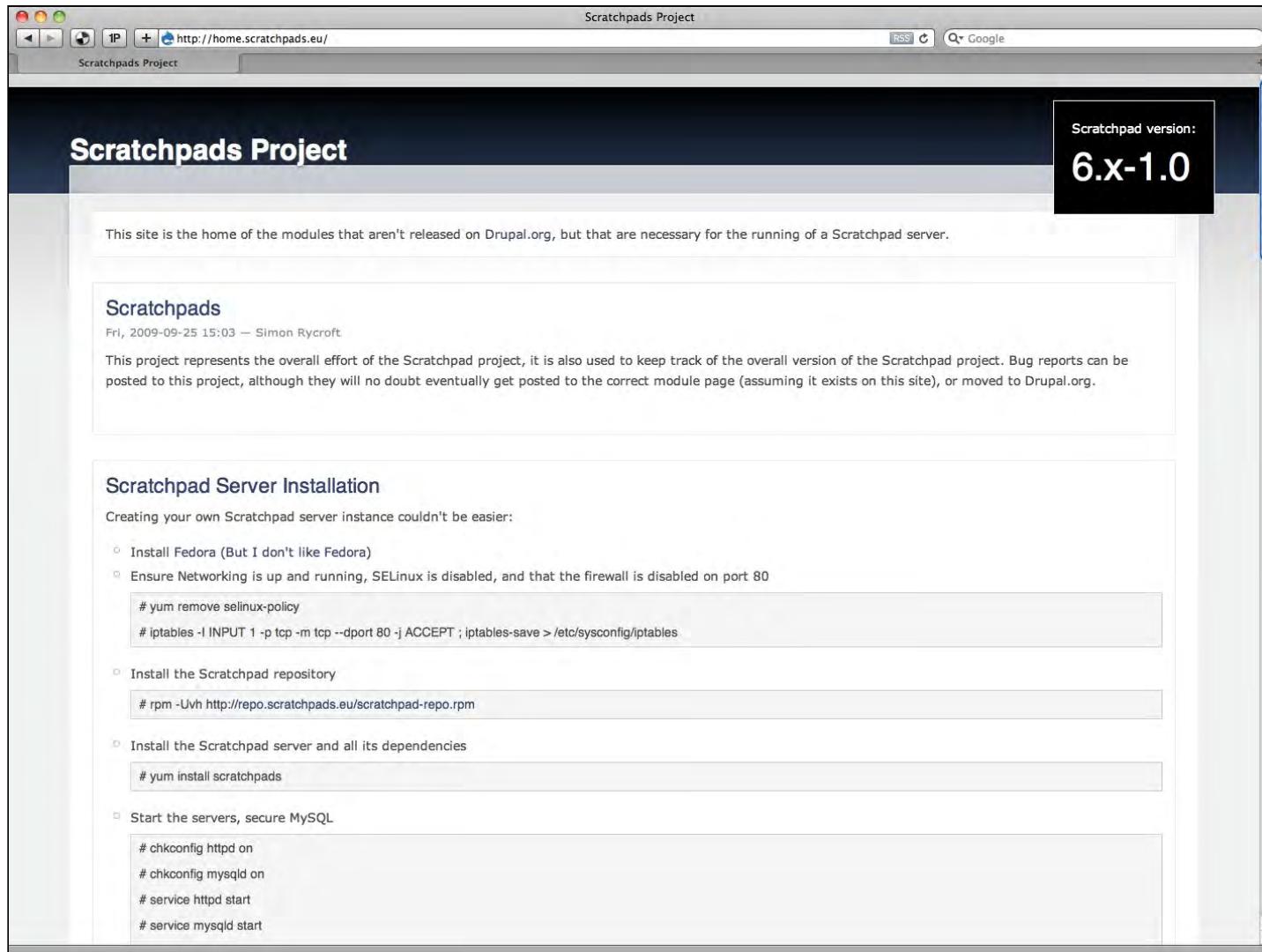
Linux Apache MySQL PHP,Perl,Python



Hardware, software & user support

One virtual machine, open-source, self-archiving, backed-up, multi-site configuration
(easy to move & upgrade, secure & reliable, screencasts, low admin., low marginal costs)

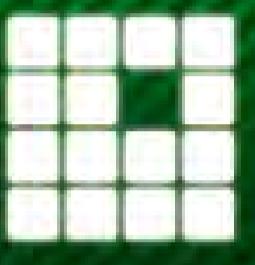
Scratchpad Developers Site



<http://home.scratchpads.eu/>

Git code repository

projects /

 **Scratchpads**
biodiversity online

The following repositories are being used by the [ViBRANT project](#).

To check out your own copy of the Scratchpad code, try the following command:

Anonymous

```
$ git clone https://git.scratchpads.eu/[Project]
```

ViBRANT User

Please replace [ViBRANT Username] with your <http://vbrant.eu/> username, with spaces removed. E.g. "Simon Rycroft" becomes "SimonRycroft". You will be asked for your password on the command line.

```
$ git clone https://[ViBRANT Username]@git.scratchpads.eu/[Project]
```

Before pushing, we also recommend the following:

```
$ git config --global user.name "[YOUR NAME]"
$ git config --global user.email [YOUR E-MAIL]
```

Search:

Project	Description	Owner	Last Change	
fencedine.git	Script used for caching of...	www-data	6 months ago	summary shortlog log tree
gbif.git	GBIF Vocabularies server http...	www-data	22 months ago	summary shortlog log tree
indices.git	M8.10 - Prototype scratchpads...	www-data	2 months ago	summary shortlog log tree
retweet.git	Simple command line Twitter...	www-data	6 months ago	summary shortlog log tree
scratchpads-2.0.git	Drupal 7 & Scratchpads 2.0	www-data	12 days ago	summary shortlog log tree
scratchpads.git	Scratchpads 1.0 - Original...	www-data	12 days ago	summary shortlog log tree
screenshots.git	Scripts used for generating...	www-data	3 months ago	summary shortlog log tree
solanaceaesource.git	Solanaceaesource 2.0 in Drupal...	www-data	2 weeks ago	summary shortlog log tree

[TXT](#) | [OPML](#)

Scratchpad Object Model

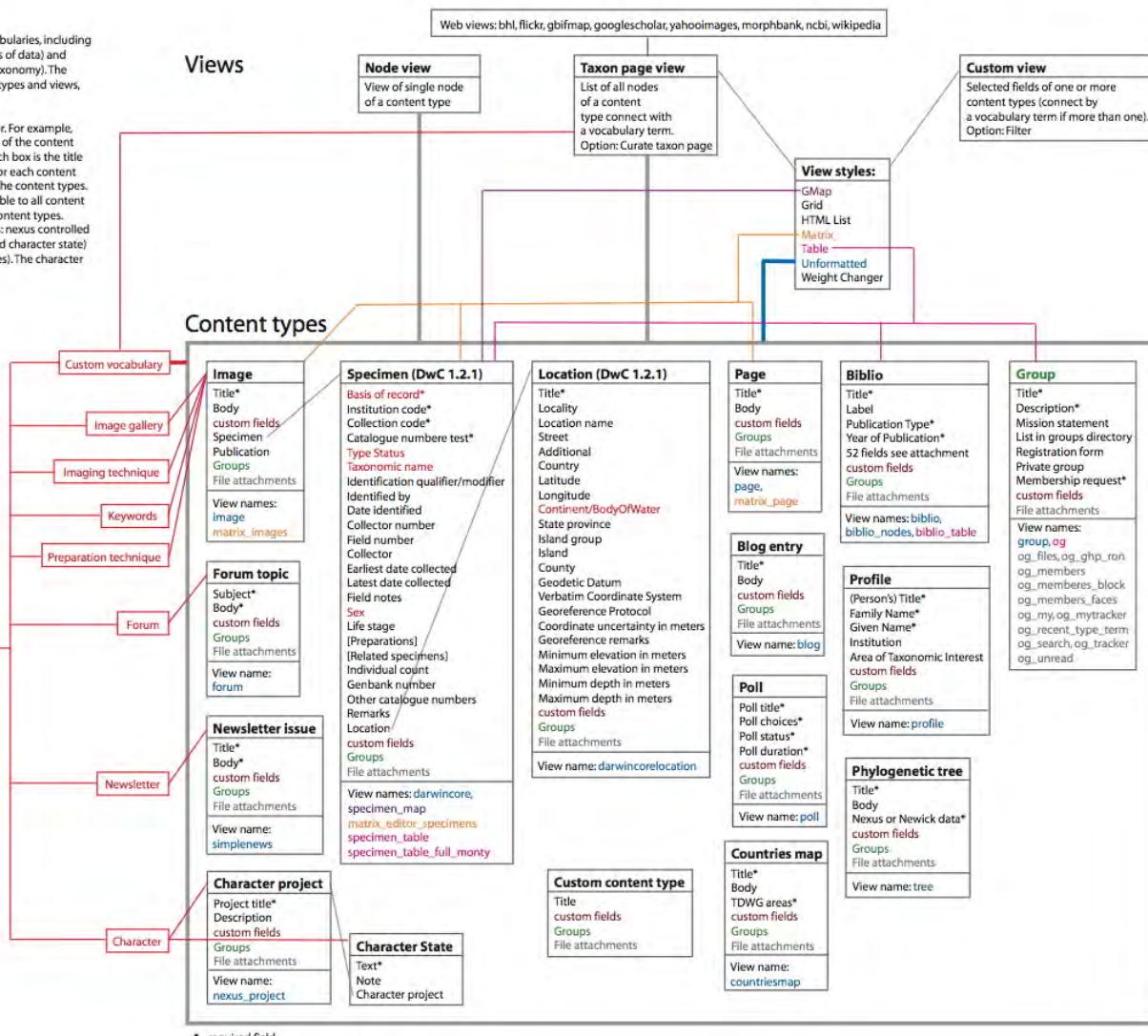
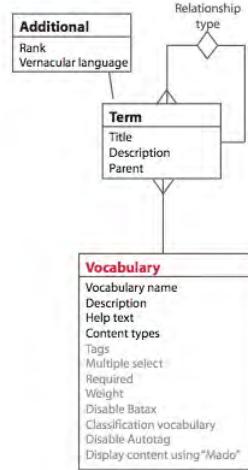
Scratchpad Object Model

Scratchpads contain three main objects: taxonomy (restricted vocabularies, including biological taxonomies), content types (defining fields for categories of data) and views (definition the presentation and organization of fields and taxonomy). The Scratchpads contain a number of predefined taxonomies, content types and views, some of which can be customized by the user.

In the diagram common components are marked by the same color. For example, all fields that represent a vocabulary are marked in bright red. Each of the content type boxes represents a table within the database. At the top of each box is the title in bold, followed below by the respective fields. Predefined views for each content type are listed at the base of each box. A thick grey line surrounds the content types. Views and taxonomies connected to this thick grey line are applicable to all content types. Some views and taxonomies are only applicable to certain content types. The character state content type is actually divided into three parts: nexus controlled state (a controlled character state), nexus free state (an uncontrolled character state) and nexus note (notes associated with characters or character states). The character descriptions are defined in the Character taxonomy.

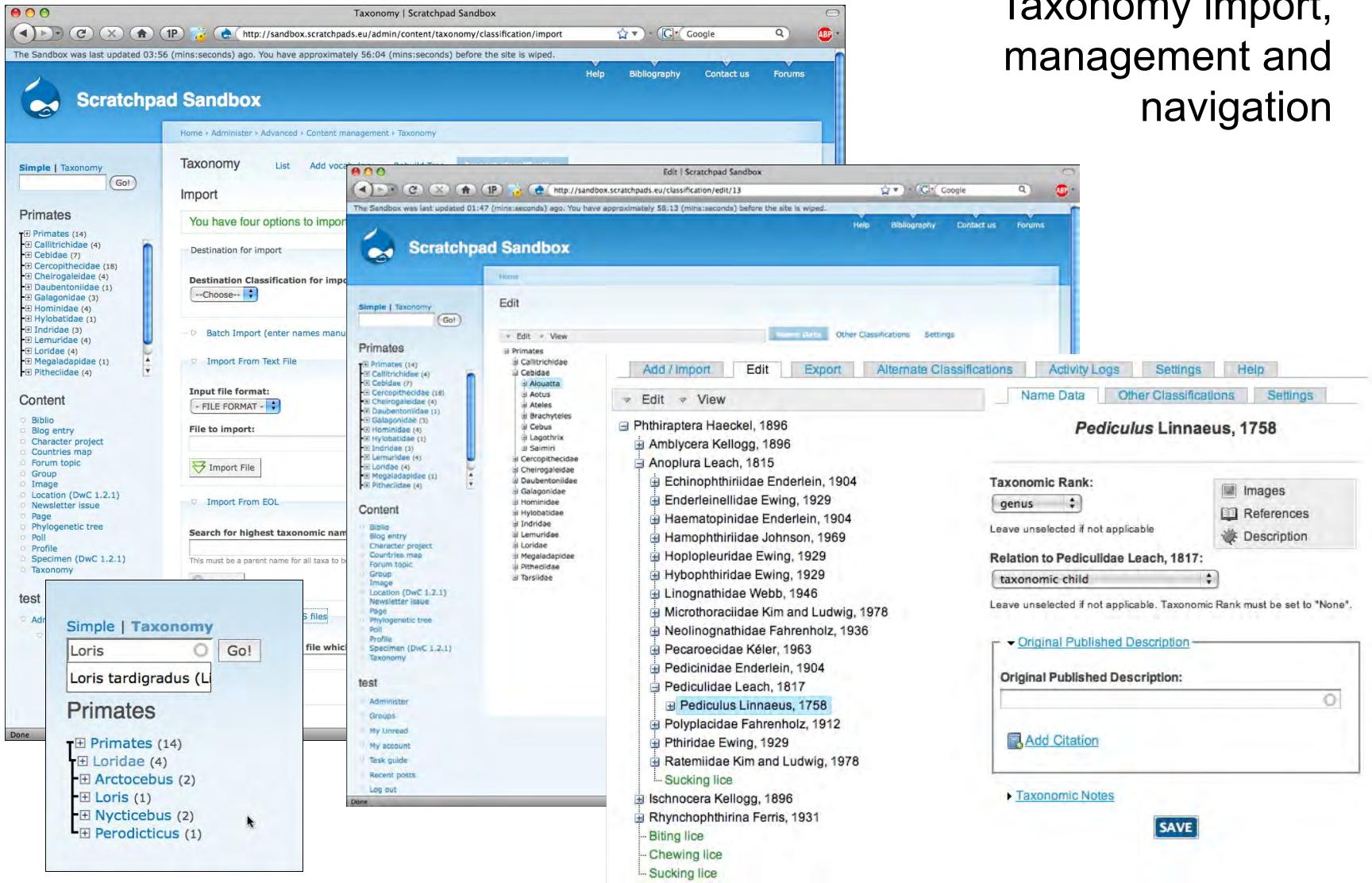
Taxonomy

Subject to revision !



Scratchpad Functionality Summary

Taxonomy



Bibliographic data

The image shows a screenshot of the Scratchpad Sandbox application interface. On the left, there's a sidebar with a 'Simple | Taxonomy' search bar and a 'Content' section listing various project types like Biblio, Blog entry, and Character project. The main area has a 'Primates' taxonomy tree. A central 'Import' dialog is open, showing a file selection dropdown with options like 'Select type', 'BibTex', 'EndNote Tagged', 'EndNote 7 XML (and previous versions)', 'EndNote 8 XML (and newer versions)', 'MARC', and 'RIS'. Below this is an 'Import' button. To the right, a detailed bibliography view is shown for a document titled 'Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil'. The document is from 2000, published in 'Medical and Veterinary Entomology', volume 14, pages 105-107. It lists authors Downs, AMR, Stafford KA, and Coles GC. The abstract discusses the susceptibility of British head lice to imidacloprid and fipronil, mentioning cyclodiene fipronil, head lice, imidacloprid, insecticide, lindane, malathion, resistance, P. humanus, Pediculus capitis, permethrin, and resistance in the U.K. The page also includes links to Google Scholar and other related publications.

Import | Scratchpad Sandbox
http://sandbox.scratchpads.eu/biblio/import

The Sandbox was last updated 04:49 (mins:seconds) ago. You have approximately 55:11 (mins:seconds) before the site is wiped.

Scratchpad Sandbox

Simple | Taxonomy

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (3)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

Done

Import

Import file:

File Type:

- Select type
- Select type
- BibTex
- EndNote Tagged
- EndNote 7 XML (and previous versions)
- EndNote 8 XML (and newer versions)**
- MARC
- RIS

Import

Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil

View Edit Clone

Wed, 08/05/2009 - 09:20 — test

Title Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil

Publication Type Journal Article

Year of Publication 2000

Authors Downs, AMR, Stafford KA, Coles GC

Journal Medical and Veterinary Entomology

Volume 14

Pagination 105-107

Date Published Mar

Accession Number ISI:000086260100017

Keywords body lice cyclodiene fipronil head lice imidacloprid insecticide lindane malathion resistance P. humanus Pediculus capitis permethrin resistance resistance U. K.

Downs, AMR, Stafford KA, Coles GC. 2000. Susceptibility of British head lice, *Pediculus capitis*, to imidacloprid and fipronil. Medical and Veterinary Entomology. 14:105-107. Abstract Tagged XML BibTex Google Scholar

Levit, G. 2000. Resistance and control of lice on humans and production animals. International Journal for Parasitology. 30:291-297. Abstract Tagged XML BibTex Google Scholar

Amevigbe, MDD, Ferrer A, Champori S, Monteny N, Deunff J, Richard-Lenoble D. 2000. Isoenzymes of human lice: *Pediculus humanus* and *P. capitis*. Medical and Veterinary Entomology. 14:419-425. Abstract Tagged XML BibTex Google Scholar

1999

Burkhart, CN, Burkhart CG, Gunning WT, Arbogast J. 1999. Scanning electron microscopy of human head louse (*Anoplura*: *Pediculidae*) egg and its clinical ramifications. Journal of Medical Entomology. 36:454-456. Abstract Tagged XML BibTex Google Scholar

1998

Picollo, MI, Vassena CV, Casadio AA, Massimo J, Zerba EN. 1998. Laboratory studies of susceptibility and resistance to insecticides in *Pediculus capitis* (*Anoplura*: *Pediculidae*). Journal of Medical Entomology. 35:814-817. Abstract Tagged XML BibTex Google Scholar

test

Done

Images

The image displays three screenshots of the Scratchpad Sandbox application interface, illustrating its features for image galleries, upload, and annotation.

Screenshot 1: Library View

This screenshot shows the main library view. On the left, a sidebar lists categories like Primates, Content, and test. The main area displays a grid of thumbnail images for various dinosaurs, including Carnotaurus, Dromaeosaurus, Iguanodon, and a replica of Diplodocus and Kentrosaurus. A navigation bar at the top includes links for Help, Bibliography, Contact us, and Forums.

Screenshot 2: Image Details View

This screenshot shows a detailed view of an Iguanodon image. It includes a large preview of the dinosaur, image details (Iguanodon.jpg), a download link (Download Original), and a feedback link. A small thumbnail of the same image is shown in the bottom right corner.

Screenshot 3: Upload View

This screenshot shows the upload interface. It features a central box for dropping images, a file list showing five files (Replica Dinosaurs - Diplodocus and Kentrosaurus.j... (334.8 KB), Iguanodon.jpg (3032.6 KB), Carnotaurus.jpg (3583.1 KB), and Dromaeosaurus albertensis.jpg (1210.9 KB)), and buttons for Add, Remove, and Upload. An upload progress bar is visible at the bottom.

Text Overlay:

Image galleries,
image upload &
annotation

Phylogeny

Create Phylogenetic tree | Scratchpad Sandbox

The Sandbox was last updated 15:41 (mins:seconds) ago. You have approximately 44:19 (mins:seconds) before the site is wiped.

Scratchpad Sandbox

Simple | Taxonomy

Title: A Simple Phylogeny

Nexus or Newick data:

```
116 M._hermagulienae,  
117 M._oupartiae,  
118 M._seoudoupartiae,  
119 M._chocolata,  
120 M._mexicana,  
121 M._santacatalinae,  
122 M._pachycerei,  
123 M._peyotei,  
124 M._eethiops
```

TREE t19 = ((((68,(96,((((7,17,(98,(110,((111,112),(113,114))))),103,(101,10
(122,124,(120,121))))))),33,(32,34,(36,37,38,39,40,41,42,43,44,45,46,47,48,49,
(57,(106,(104,105)),(108,(66,107))),76,(77,(75,115)))),((14,(8,(9,(11,10,(
(20,(18,(15,19)))),(22,(29,((26,(25,(24,(23,30)))),(27,28)),91,(94,(95,(92,93)))),
(88,(89,90)),(2,3))));
END;

Body:

Primates

- Primates (14)
 - Calitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Chlorocebusidae (4)
 - Daubentonidae (1)
 - Galagonidae (4)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Lorididae (4)
 - Megaladapsidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Roll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administrator
- Groups

Done

A Simple Phylogeny | Scratchpad Sandbox

The Sandbox was last updated 18:37 (mins:seconds) ago. You have approximately 41:23 (mins:seconds) before the site is wiped.

Scratchpad Sandbox

Home

A Simple Phylogeny

View Edit Clone

Wed, 06/05/2009 - 09:53 — test

Search

Add new comment Delete post Printer-friendly version

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Roll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administrator
- Groups

Done

Character Matrices

The screenshot shows the Scratchpad Sandbox interface for editing a test matrix. The main area displays a character matrix for the taxon 'Primates'. The matrix has columns labeled 'head characters' (1, 2, 3) and 'Thoracic characters' (4, 5). The rows list various primate genera and species, each with numerical values in the head character columns and text descriptions in the thoracic character columns. A modal window titled 'Edit character state' is open for the character 'Thorax2', with a text input field and a 'Save note' button.

Primates	head characters			Thoracic characters	
	1	2	3	4	5
Cebidae	1	1.2	A	Textual description 1	Edit text here...
Alouatta	1	1.45	C	Textual description 2	
Alouatta belzebul (Linnaeus, 1766)	2	1.65	T	Textual description 3	
Red-handed howler monkey	2	1.22	T	Textual description 4	
Alouatta caraya (Humboldt, 1812)	2	1.55	T	Textual description 5	
Black howler monkey	2	1.89	G	Textual description 6	
Alouatta coibensis Thomas, 1902	2	2.0	A	Textual description 7	
Coiba howler monkey	2	4.5	C	Textual description 8	
Alouatta fusca (É. Geoffroy Saint-Hilaire, 1812)	1	22	C		
Brown howler monkey	1	1.8	C		
Alouatta palliata (Gray, 1849)	1	1.9	C		

Test Matrix View Edit Clone

Simple | Taxonomy Go!

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (?)
 - Cercopitheciidae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (3)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administrator
- Groups
- My Unread

Done

Molecular & morphological character matrices
(discrete, morphometric and text characters)

Distribution Maps

Country Maps Example | Scratchpad Sandbox
http://sandbox.scratchpads.eu/node/41/edit

The Sandbox was last updated 15:41 (mins:seconds) ago. You have approximately 44:19 (mins:seconds) before the site is wiped.

Scratchpad Sandbox

Simple | Taxonomy

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidiae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (3)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladapidae (1)
 - Pithecidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administer
- Groups
- My Unread

Done

Country Maps Example | Scratchpad Sandbox

Country Maps Example | Scratchpad Sandbox

Check the checkboxes of the countries

AFRICA

- Select all for AFRICA
 - East Tropical Africa
 - Select all for East Tropical Africa
 - Kenya | Kenya
 - Tanzania, United Republic of | Tanzania
 - Uganda | Uganda

Macaronesia

- Select all for Macaronesia
 - Cape Verde | Cape Verde
 - Portugal | Azores
 - Portugal | Madeira
 - Spain | Selvagens

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidiae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (3)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladapidae (1)
 - Pithecidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administer
- Groups
- My Unread

Add new comment Delete post Printer-friendly version

bryo2: test

feedback



Specimens & locations

The Sandboxed was last updated 22:54 (mins:seconds) ago. You have approximately 37:06 (mins:seconds) before the site is wiped.

Scratchpad Sandbox

[Home](#) > [Create content](#)

Create Specimen (DwC 1.2.1)

Required Taxonomy Collection Miscellany

Basis of record: *
--Select--
Fossil Specimen
Human Observation
Used specimen
Machine Observation
Moving Image
Other Specimen
Preserved Specimen
Sound Recording
Still Image

Catalogue number text: *

The catalogue number (text) for this specimen

Save **Preview**

Menu settings
Not in menu
Menu link title:
The link text corresponding to this item.
Parent item: <Primary links>
The maximum depth for an item and its children to exceed this limit.
Weight: 0
Optional: In the menu, the heavier item appears first.

Content

- Primates (14)
 - Calitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Chlorocebusidae (4)
 - Daubentoniidae (1)
 - Galagonidae (4)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Lorisidae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)
- Content

 - Biblio
 - Blog entry
 - Character project
 - Countries map
 - Forum topic
 - Group
 - Image
 - Location (DwC 1.2.1)
 - Newsletter issue
 - Page
 - Phylogenetic tree
 - Poll
 - Profile
 - Specimen (DwC 1.2.1)
 - Taxonomy

- test

 - Administrator
 - Groups
 - My Unread

Create Location (DwC 1.2.1)

Location title (Used when referencing this location): * London

Locality: Natural History Museum

The description of the locality from which the catalogued item was collected, sans geographic information provided in other geographic fields.

Location

name: Natural History Museum e.g. a place of business, venue, meeting point.
Street: Cromwell Road
Additional:
Country: United Kingdom



Pages, Forums, Blogs, Newsletters

The screenshot shows the Scratchpad Sandbox forum interface. The top navigation bar includes links for Help, Bibliography, Contact us, and Forums. The main content area displays a list of topics in the 'General' forum. The topics are:

Topic	Replies	Created	Last reply
First post to the general forum	0	2 min 9 sec ago by test	n/a
Second topic	1	1 min 34 sec ago by test	40 sec ago by test
Third topic	0	3 sec ago by test	n/a

The sidebar on the left contains a taxonomy tree under the heading 'Primates' and a 'Content' section with various links like Biblio, Blog entry, Character project, Countries map, Forum topic, Group, Image, Location (DwC 1.2.1), Newsletter issue, Page, Phylogenetic tree, Poll, Profile, Specimen (DwC 1.2.1), and Taxonomy.

Web fora with e-mail integration

The screenshot shows the 'Create Blog entry' page in the Scratchpad Sandbox. The title field is filled with 'My first blog entry'. The body field contains the text: 'I can use the WISIG editor for rich text formatting. This is available through out the site for all content types.' Below the body field, it says 'Path: h2' and 'Disable rich-text'.

User blogs

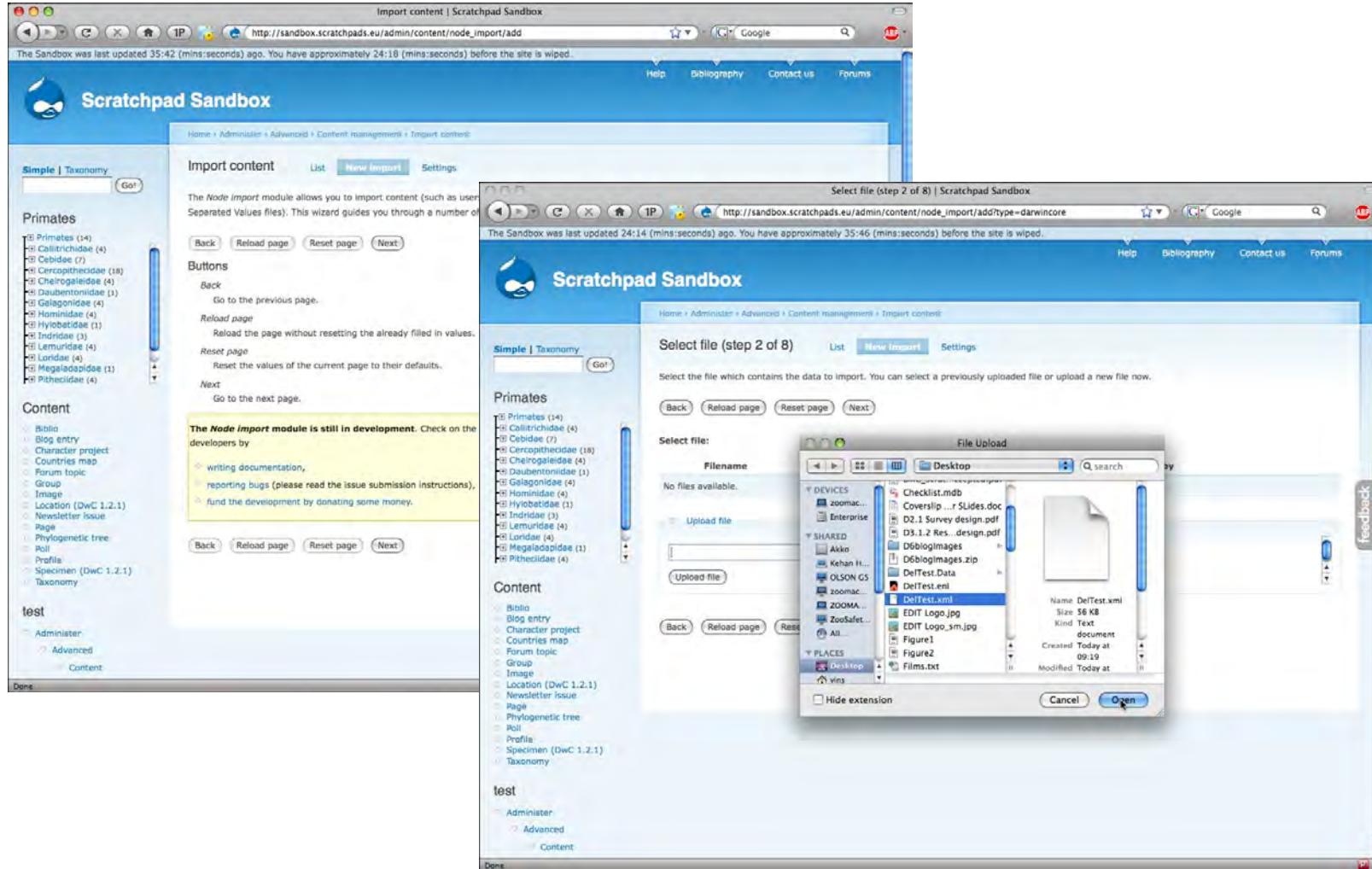
The screenshot shows the 'Create Page' page in the Scratchpad Sandbox. The title field is filled with 'Simple Web Page'. The body field contains the text: 'Create a simple web page with images for static content.' The sidebar on the left shows a taxonomy tree under 'Primates'.

Static web pages

The screenshot shows the 'Create Newsletter issue' page in the Scratchpad Sandbox. The title field is filled with 'My First Newsletter'. The body field contains the text: 'Scratchpad Newsletter Number 1'. The sidebar on the left shows a taxonomy tree under 'Primates'.

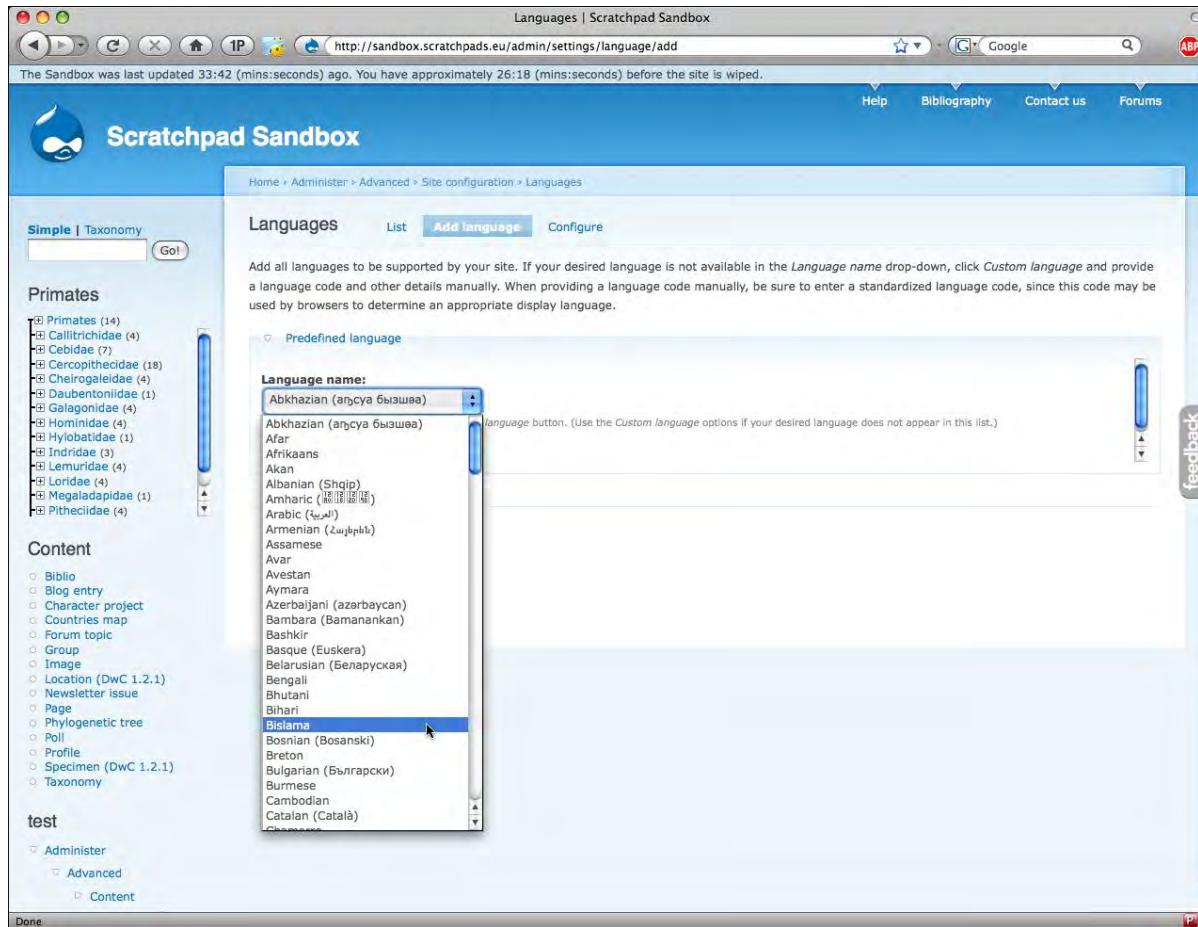
Newsletters with e-mail integration

Mass Import



Import from CSV text file to any content type

Multilingual Support



Create & switch between content in any language

Administration

The screenshot shows the administration interface of the Scratchpad Sandbox. It includes a sidebar with links like 'Primates', 'Content', 'User management', and 'Test'. The main area has two tabs: 'Advanced' (selected) and 'Content'. The 'Advanced' tab contains sections for 'Content management', 'Administrator', 'User management', 'Content', and 'Test'. The 'Content' tab contains sections for 'Blog', 'Newsletters', 'Taxonomy', and 'Test'. A modal window titled 'Scratchpad Sandbox' is open, showing a detailed view of the 'Administrator' section with various sub-sections like 'Content Data', 'Taxonomy', 'User management', 'Content', and 'Test'.

Simple & advanced admin.

The screenshot shows the 'Create Group' page in the Scratchpad Sandbox administration interface. It features a title field ('Title: Primate Group for VORTEX colleagues'), a description field ('A brief description for this group (max 100 characters)'), and a checkbox for 'List in group directory'. Below these are sections for 'Content' (with links to 'Blog', 'Blog entry', 'Character project', etc.) and 'Mission statement' (with a rich text editor). At the bottom is a 'Save' button.

Private Groups

The screenshot shows the 'Create Profile' page in the Scratchpad Sandbox administration interface. It includes fields for 'Title', 'Given name(s)', 'Family name(s)', 'Institution', and 'Area of Taxonomic Expertise'. Below these are sections for 'Content' (with links to 'Blog', 'Newsletters', etc.) and 'Profile settings' (with options for 'Menu link title', 'Parent item', and 'Weight'). A note at the bottom explains how to use the 'AutoTag' feature.

Customized user profiles

The screenshot shows the 'AutoTag' configuration page in the Scratchpad Sandbox administration interface. It includes sections for 'Content' (with links to 'Blog', 'Newsletters', etc.) and 'AutoTag' (with a 'Review the terms below, and then "Save"' button). It also includes 'Terms to use' (with a list of terms like 'Candies (Primates)', 'Cercocebus (Primates)', and 'Primates (Primates)') and 'Terms to ignore' (with a list of terms like 'Eucercopithecus (Primates)'). A note at the bottom explains how to use the 'AutoTag' feature.

AutoTag content
(automatically adds structure)

Taxon Pages

Integrating data & “publishing” in a Scratchpad

Carausius morosus | Phasmid Study Group
http://phasmid-study-group.org/category/species/397

Phasmid Study Group

Home Image Galleries Forums Development Blog

Carausius morosus

print this page

Phasmid Taxonomy

- Orthopteroidea (3)
- Phasmida (10)
- Diapheromeridae (5)
- Lonchodinae (13)
- Carausius (10)
- Carausius morosus

How to navigate

Use the tree to the left to navigate the phasmid species that we have information about on this website. Click on a taxon name to view the subordinate taxa, and click the blue cross to get information about a taxon.

Images

Vernacular Names

The use of vernacular (= common) names is not recommended by the group. Read the website policy [here](#).

Indian Stick Insect
Laboratory Stick Insect

PSG Culture List Record

PSG# 1

Locality India

Reproduction

Bibliography

1907 Brunner von Wattenwyl Die Insektenfamilie der Phasmiden. II. Anamolasten (Odonata).

Dynamically built species pages

Taxon Pages

Integrating data & “publishing” in a Scratchpad

The screenshot shows a web browser window for the Phasmid Study Group. The main content area displays a taxonomy tree under the heading "Phasmid Taxonomy". The tree structure is as follows:

- + Orthopteroidea (3)
- + Phasmida (10)
 - + Diapheromeridae (5)
 - + Lonchodinae (13)
 - + Carausius (10)
 - + Carausius morosus

Below the tree, there are two image thumbnails: "Laboratory Stick Insect" and "Carausius morosus". To the right of the tree, a "How to navigate" box provides instructions on using the site's navigation tree.

On the left sidebar, there are sections for "Phasmid Information" (including links to Phasmida.org, Introduction, World Phasmid Catalogue, Foodplants, Phasmid FAQs, etc.) and "PSG Information" (History of the PSG, How to Join the PSG, PSG Culture List, etc.).

At the bottom, there are sections for "Create Content" (Billing, Billing entry, Book, Culture List Record, Filmmind, Fountam page), "PSG Culture List Record" (with details for Carausius morosus), and "Bibliography" (listing publications by Author, Title, Date, Author, Title).

This screenshot shows a detailed species page for *Carausius morosus* on the Phasmid Study Group website. The page includes:

- Phasmid Information:** Includes links to Phasmida.org, Introduction, World Phasmid Catalogue, Foodplants, Phasmid FAQs, etc.
- PSG Information:** Includes links to History of the PSG, How to Join the PSG, PSG Culture List, etc.
- How to navigate:** Instructions on using the site's navigation tree.
- Images:** Two images of the insect.
- Vernacular Names:** Indian Stick Insect, Laboratory Stick Insect.
- PSG Information:** Includes links to History of the PSG, How to Join the PSG, PSG Culture List, etc.
- Create Content:** Options for Adding entry, Create new, Contact us, etc.
- PSG Culture List Record:** Details for *Carausius morosus*, including Locality (India), Reproduction (Oviparous), Culture Status (Established), Winged (Yes), Female Size (10 mm), Male Size (10 mm), Phasmid (10), and References (10).
- Specimens:** A list of specimens including *Carausius morosus* (10), and *Carausius morosus* (10).
- Tree:** A phylogenetic tree diagram.
- Third part content:** A note about third-party content.
- Web Images:** A grid of small images.
- GBIF Map:** A map showing distribution.
- Wikipedia:** A link to the Wikipedia page for *Carausius morosus*.
- Google scholar:** A link to Google Scholar results for *Carausius morosus*.
- Biodiversity Heritage Library:** A link to the BHL page for *Carausius morosus*.
- NCBI:** A link to the NCBI page for *Carausius morosus*.
- External links:** Links to *Carausius morosus* (Saito, 1992) and *Carausius morosus* (Saito, 1992).
- Authors/sources:** A list of authors and sources.

Browsed through a taxonomy

Taxon Pages

Integrating data & “publishing” in a Scratchpad



This screenshot shows a taxon page with two main sections: 'Web Images' and 'GBIF Map'. The 'Web Images' section displays six small thumbnail images of stick insects. The 'GBIF Map' section shows a world map with numerous yellow dots representing specimen records for *Carausius morosus*.

This screenshot shows a taxon page with a large central box containing a detailed Wikipedia summary of *Carausius morosus*. The text describes the species as a parthenogenetic female that can reproduce without mating, noting that males are rarely seen in captivity.

This screenshot shows a taxon page with two search results boxes. The left box is from Google Scholar and lists several academic papers related to the stick insect's leg function and control. The right box is from the Biodiversity Heritage Library and lists various biological bulletins and experimental reports.

This screenshot shows a taxon page with a box containing links to various databases, including NCBI, which provides links to taxonomic information and other resources.



This screenshot provides a detailed view of a taxon page for *Carausius morosus*. It includes sections for 'Phasmid Information', 'PGS Information', 'Create Content', 'Specimens', 'Third party content', and 'External links'. The 'Phasmid Information' section contains links to Phasmid Study Group, Phasmid Taxonomy, and Phasmid Culture List. The 'PGS Information' section includes links to PGS Home, Localities, Reproduction, and Culture Status. The 'Create Content' section lists various content types like 'Culture' and 'Image'. The 'Specimens' section shows a list of specimens. The 'Third party content' section includes links to 'Web Images' and 'GBIF Map' from the previous slide, along with a link to the 'Wikipedia' summary. The 'External links' section lists links to various databases and resources.

Including 3rd party content

Taxon Pages

Integrating data & “publishing” in a Scratchpad

The image shows a central workspace with several integrated panels:

- Web Images:** A grid of small images of insects and plants.
- GBIF Map:** A world map showing distribution data.
- Nodes being displayed:** A green-bordered grid containing images of insects and plants.
- Hidden nodes:** An orange-bordered grid containing images of insects and plants.
- Google scholar:** A list of academic publications related to *Carausius morosus*.
- Biodiversity Heritage Library:** A list of historical biological publications.
- NCBI:** A list of entries from the National Center for Biotechnology Information.

A large callout arrow points from the right side of the image towards a detailed view of a taxon page on the right.

This is a screenshot of a taxon page for *Carausius morosus* on the Phasmid Study Group website. The page includes:

- Phasmid Information:** Includes links to Phasmid Study Group, Phasmid Taxonomy, Phasmid Culture List, and Phasmid References.
- PSG Information:** Includes links to PSG Home, How to Join the PSG, PSG Culture List, and PSG References.
- Images:** A gallery of images of stick insects.
- Vernacular Names:** Lists common names like "Indian stick insect" and "Laburnum stick insect".
- PSG Culture List Record:** Details the culture record for *Carausius morosus*, including locality, reproduction, culture status, and more.
- Specimens:** Lists specimen details for *Carausius morosus*.
- Tree:** A phylogenetic tree diagram.
- Third party content:** A note about third-party content.
- Web Images:** A grid of images.
- GBIF Map:** A world map.
- Wikipedia:** A link to the Wikipedia page for *Carausius morosus*.
- External links:** Links to Google Scholar, BHL, NCBI, and Authors/sources.

With data curation tools

Taxon Pages

Integrating data & “publishing” in a Scratchpad

The diagram illustrates the integration of data and publishing in a Scratchpad. A central vertical line connects two screens, showing how data from a detailed taxon page can be published into a broader study group context.

Left Screen (Detailed Taxon Page):

- Phasmid Information:** Includes sections for Phasmid ID, Nucleotide sequences (7022), Protein sequences (6), External links (e.g., GBIF: Carausius morosus (Sinet, 1901)), and Authors / sources.
- Authors / sources:** Lists contributors including Biodiversity Heritage Library, edwbaker, GBIF, Google scholar, NCBI, Flickr, Yahoo, and Wikipedia, with a "Create citation" button.

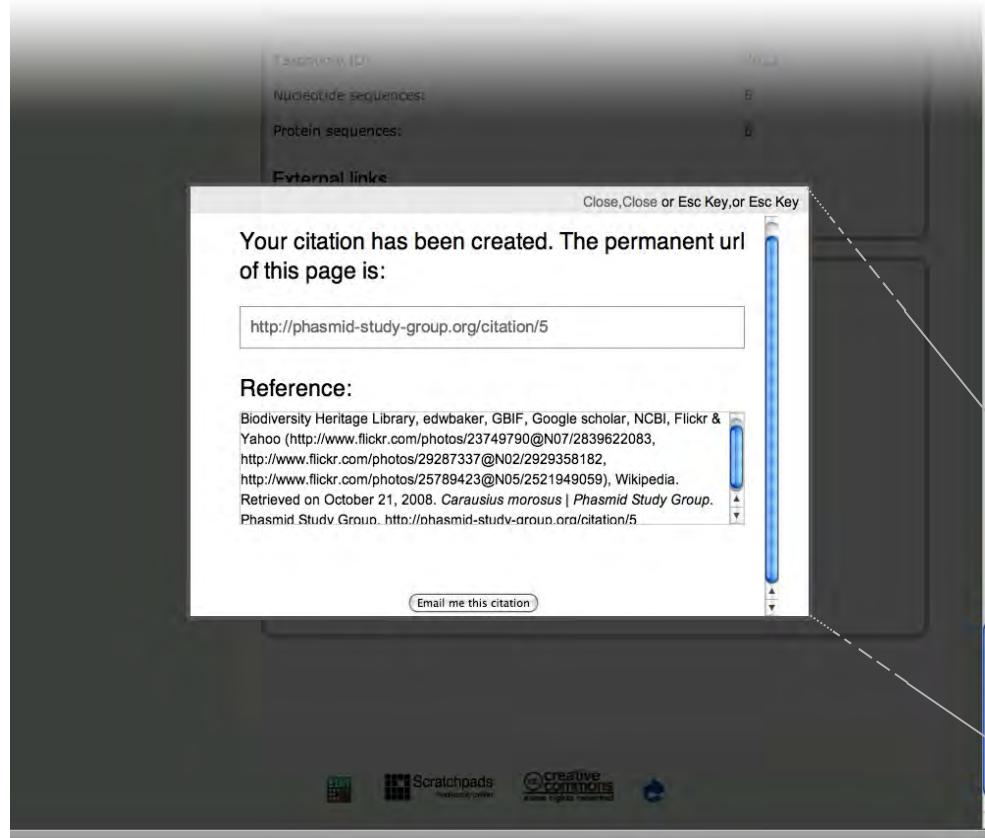
Right Screen (Phasmid Study Group Page):

- Phasmid Study Group:** Page for *Carausius morosus*.
- Phasmid Information:** Shows Phasmid Taxonomy (e.g., Subfamily: 1, Genus: 1, Species: 1), Images, and Vernacular Names (e.g., Indian stick insect, Laboratory stick insect).
- PSG Information:** Includes sections for PSG Culture Record (with details like Phasmid ID, Locality, Reproduction, Culture Status, and Morphology), Specimens (with details like Phasmid ID, Name, and Description), and Tree (with a phylogenetic tree diagram).
- Create Content:** Allows users to add new content like Web Images (e.g., Flickr photos) and GBIF Map (e.g., distribution map).
- Third party content:** Notes that the Phasmid Study Group is not responsible for content provided by third parties.
- Wikipedia:** Provides a summary of the species' biology and distribution.
- Google scholar:** Lists publications related to the species.
- Biodiversity Heritage Library:** Lists books and articles related to the species.
- NCBI:** Lists entries from the National Center for Biotechnology Information.
- External links:** Lists links to the species' pages on BHL, GBIF, and Wikipedia.

Bottom Text: Listing all “authors”

Taxon Pages

Integrating data & “publishing” in a Scratchpad

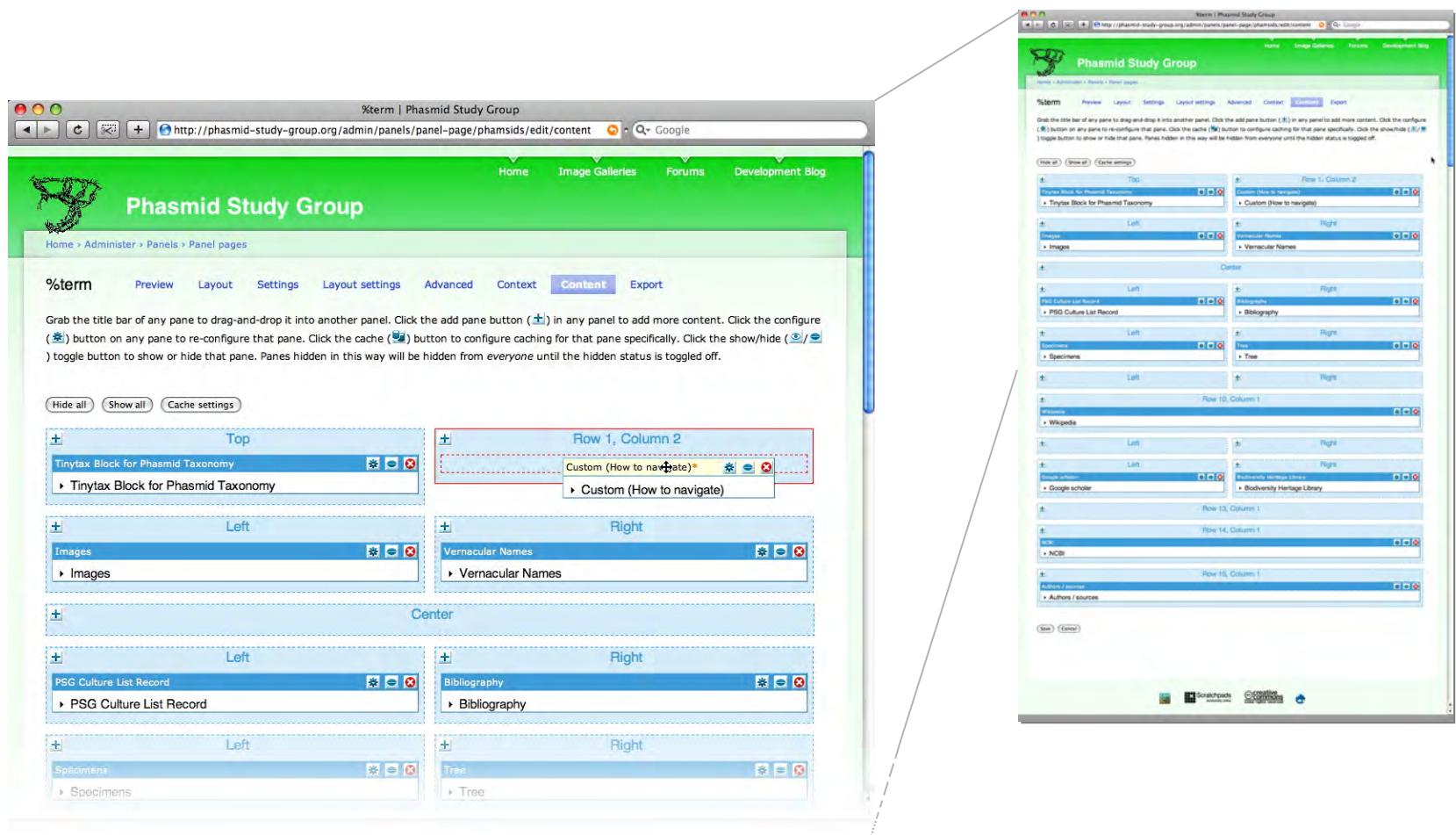


This screenshot shows a detailed taxon page for *Carausius morosus* on the Phasmid Study Group website. The page includes a header with the species name, a sidebar with "Phasmid Information", "How to navigate", "Images", "Vernacular Names", "PSG Information", "Create Content", "Specimens", and "Tree". The main content area contains sections for "Phasmid Taxonomy", "Images", "Vernacular Names", "PSG Culture Record", "Biology", "Web Images", "GBIF Map", "Wikipedia", "Google scholar", and "Biodiversity Heritage Library". The "Specimens" section lists several specimen records. The "Tree" section shows a phylogenetic tree. The bottom of the page includes a "Authors / sources" section with a link to "View citation".

Dated, permanent & citable

Taxon Pages

Adjusting the layout



Control what to display

n.b. Taxon page tools have since been updated

User support

Sandbox Site

The Sandbox was last updated 52:37 (mins:seconds) ago. You have approximately 07:23 (mins:seconds) before the site is wiped.

Scratchpad Sandbox

Simple | Taxonomy

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (4)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indridae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladaniidae (1)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Specimen (DwC 1.2.1)
- Taxonomy

test

- Administer
- Groups

Help **Bibliography** **Contact us** **Forums**

Username: test
Password: pass

Åland
Wed, 11/18/2009 - 14:48 — test

Location

County: Finland
Locality: Åland
Coordinate Uncertainty: 30000
Latitude: 60° 9' 28.476" N
Longitude: 19° 55' 45.1164" E

Add new comment report to Mollom

MZH vert urn:lsid:luomus.fi:JA:2050
Wed, 11/18/2009 - 14:44 — test

Collection

Type Status: Not Provided
Institution Code: MZH
Collection Code: vert

feedback

Loading "http://sandbox.scratchpads.eu/", completed 48 of 50 items

The Issues tab

The Sandbox was last updated 10 min 19 sec ago. You have approximately 5 hours 49 min before the site is wiped.
[Login](#) to the site using the username: "test" and the password: "pass"

Scratchpad Sandbox

[Simple | Taxonomy](#) [Go!](#)

Primates

- Primates (14)
 - Callitrichidae (4)
 - Cebidae (7)
 - Cercopithecidae (18)
 - Cheirogaleidae (4)
 - Daubentonidae (1)
 - Galagonidae (4)
 - Hominidae (4)
 - Hylobatidae (1)
 - Indriidae (3)
 - Lemuridae (4)
 - Loridae (4)
 - Megaladapidae (1)
 - Pitheciidae (4)

Content

- Biblio
- Blog entry
- Character project
- Countries map
- Forum topic
- Group
- Image
- Location (DwC 1.2.1)
- Newsletter issue
- Page
- Phylogenetic tree
- Poll
- Profile
- Publication
- Specimen (DwC 1.2.1)
- Taxon Description
- Taxonomy
- Webform

test

[Administrators](#)

Search for/Report an issue

Recent Issues:

- Lucid key
- Taxon descriptions
- Browser optimization
- Backup not working
- Autotag in Biblio module
- Specimens: Lines overlap between fields**
- On our new site <http://bormene.myspecies.info/> I have added a specimen and a location. Both have a "Remark" which is longer than one line and gets wrapped to following lines. However, the table does not grow, and the text gets written over the next item. See the data at the bottom of the page.
- Link to advanced search missing
- Character project; Organising characters doesn't save
- Character project, controlled character bug
- Imported taxon descriptions not linked to classification

Help

Not sure what you are doing, try the [Scratchpad Help Page](#).

Site Information

 Change basic [site information](#), such as the site name, slogan, e-mail address, page, specify the page address at the bottom of this page (after creating the new content will appear on the front page as it is added to your site).*

Site Theme and Logo

 Change the site colour scheme, add a [custom logo](#) and [change other settings](#) to make your site unique.*

Layout

 Change the layout of your site by changing the [block](#) and [menu](#) items.*

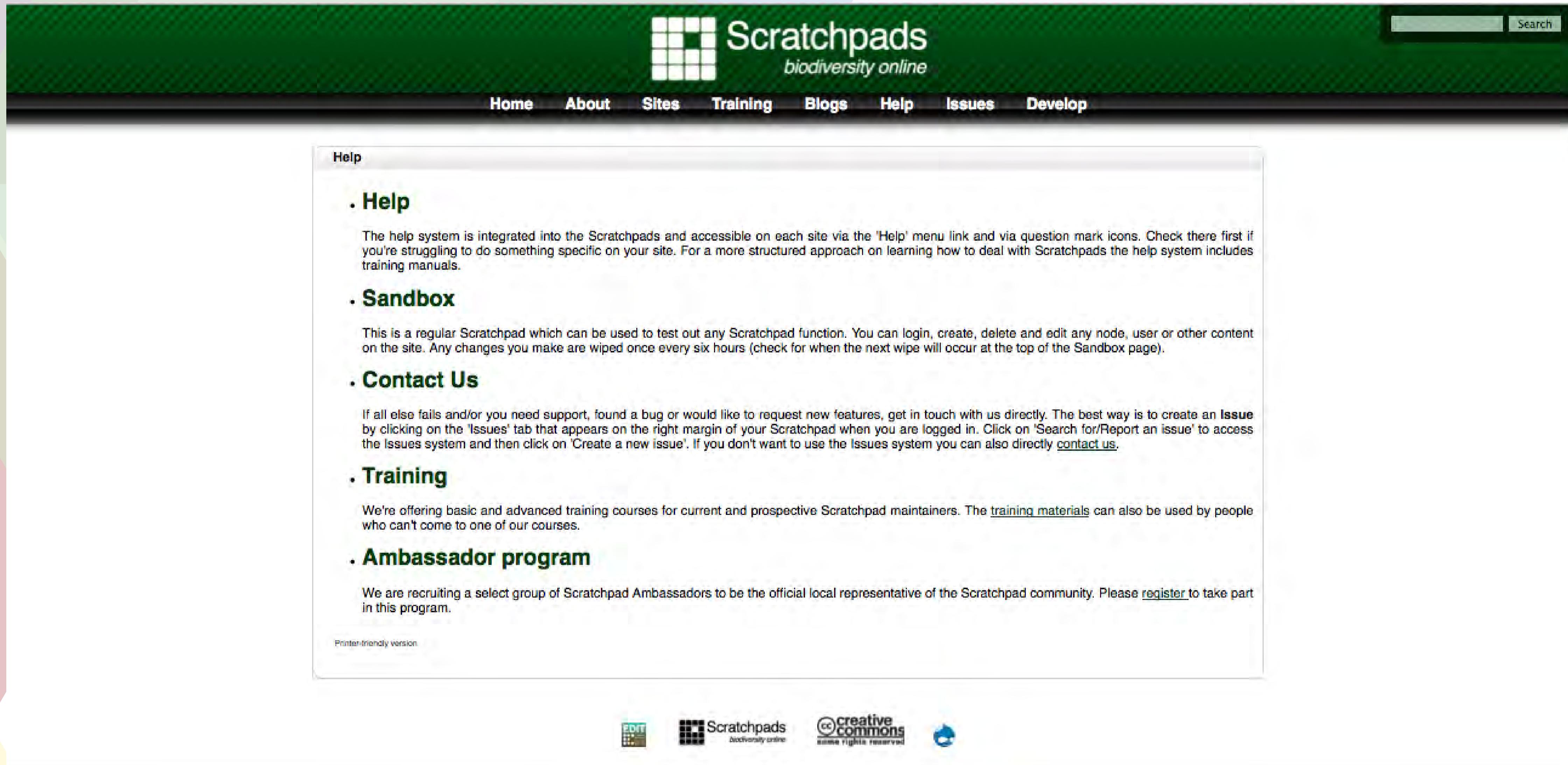
Taxonomy

 Add a [biological taxonomy](#) (vocabulary), and then [import a classification](#) into your new vocabulary. The classification is the backbone of your site and allows you to aggregate species pages with information from the web and information you have uploaded into your site. With a taxonomy you can automatically integrate and navigate content across your site.

Users

 Add or [list](#) site users in different 'roles'. Contributors can add and edit their own content, editors can also edit other peoples content, and maintainers can also access advanced administrative features. The [groups](#) feature allows users to

Help entry page



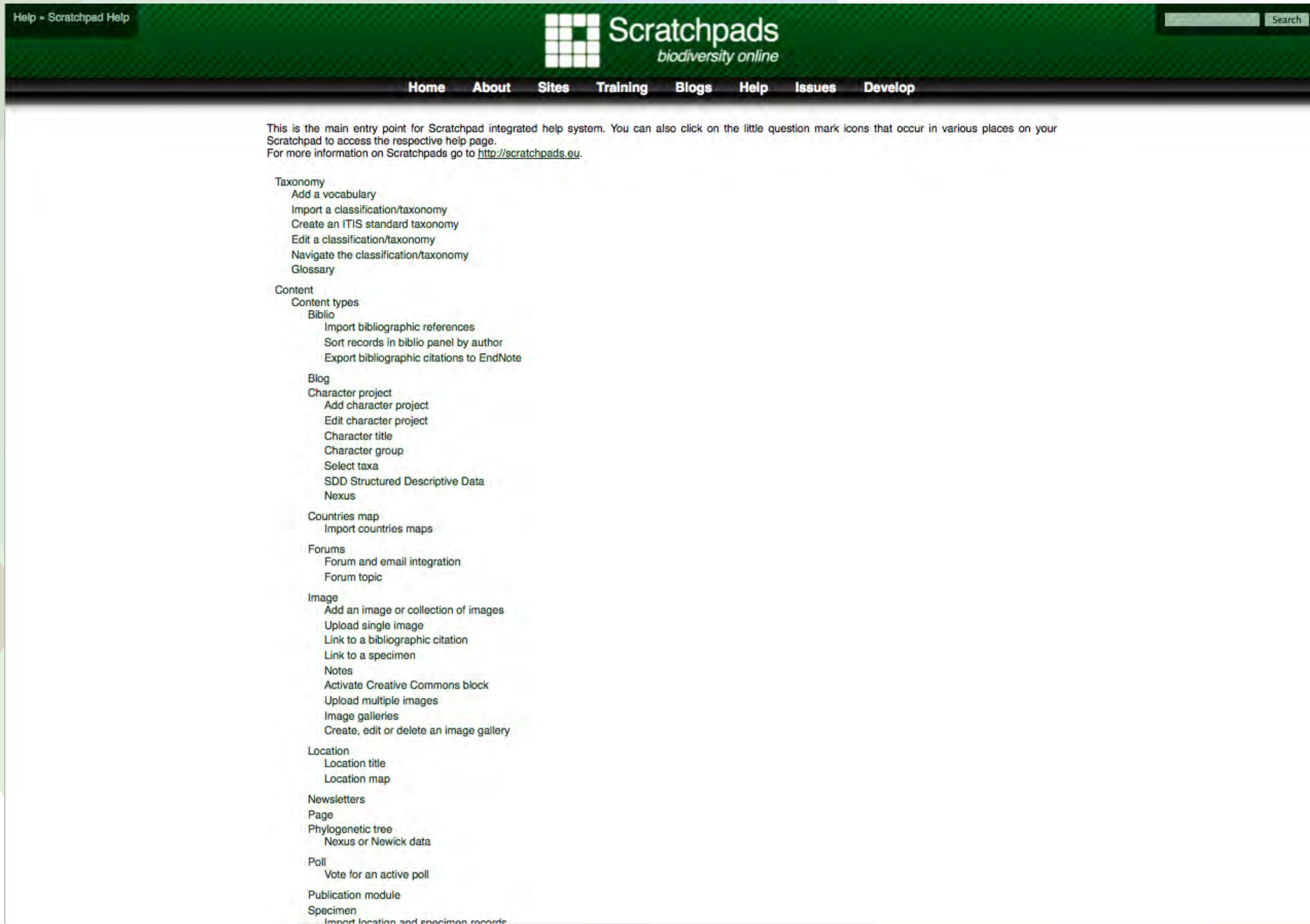
The screenshot shows the 'Help' section of the Scratchpads biodiversity online website. The page has a dark green header with the 'Scratchpads' logo and a search bar. Below the header is a navigation menu with links: Home, About, Sites, Training, Blogs, Help, Issues, and Develop. The main content area is titled 'Help' and contains several sections:

- . Help**: A general introduction to the help system.
- . Sandbox**: Information about the regular Scratchpad used for testing functions.
- . Contact Us**: Instructions for getting support or reporting issues.
- . Training**: Details about training courses for maintainers.
- . Ambassador program**: Information about the Scratchpad Ambassador program.

At the bottom of the content area, there is a link to a 'Printer-friendly version'.

<http://scratchpads.eu/help>

Help manual



This is the main entry point for Scratchpad integrated help system. You can also click on the little question mark icons that occur in various places on your Scratchpad to access the respective help page.
For more information on Scratchpads go to <http://scratchpads.eu>.

- Taxonomy
 - Add a vocabulary
 - Import a classification/taxonomy
 - Create an ITIS standard taxonomy
 - Edit a classification/taxonomy
 - Navigate the classification/taxonomy
 - Glossary
- Content
 - Content types
 - Biblio
 - Import bibliographic references
 - Sort records in biblio panel by author
 - Export bibliographic citations to EndNote
 - Blog
 - Character project
 - Add character project
 - Edit character project
 - Character title
 - Character group
 - Select taxa
 - SDD Structured Descriptive Data
 - Nexus
 - Countries map
 - Import countries maps
 - Forums
 - Forum and email integration
 - Forum topic
 - Image
 - Add an image or collection of images
 - Upload single image
 - Link to a bibliographic citation
 - Link to a specimen
 - Notes
 - Activate Creative Commons block
 - Upload multiple images
 - Image galleries
 - Create, edit or delete an image gallery
 - Location
 - Location title
 - Location map
 - Newsletters
 - Page
 - Phylogenetic tree
 - Nexus or Newick data
 - Poll
 - Vote for an active poll
 - Publication module
 - Specimen
 - Import location and specimen records

http://scratchpads.eu/help/scratchpadify_help/Scratchpad-Help

Help Resources

Scratchpads
biodiversity online

[Home](#) [About](#) [Sites](#) [Training](#) [Blogs](#) [Help](#) [Issues](#) [Develop](#) [Search](#)

Scratchpad training files

The training manuals and training files are now integrated into the help pages on each Scratchpad. You can access the help either through the 'Help' menu item or, if this is not present, via the ".../admin/advanced_help/scratchpady_help" link, or via the little question mark icons on your site. The icons open a pop-up window with the help page for this specific feature. However, there are links to other parts of the help system as well. You can also [print the manual for the basic](#) and [advanced training course](#).

The files below are not updated any more, so if you use them you need to be aware that parts of them might be out of date.

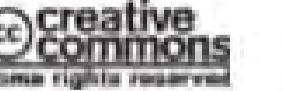
The instructions for the basic and the advanced training course are specifically written for use with the training sites. However, you can also do the training on your own on the [Sandbox](#) (username: test, password: pass) or we can provide you with a [home training site](#) where you can practice for a longer period. Please contact us if you would like a home training site. If you use the sandbox you must be prepared that other users may change the site at the same time and you must be aware that the sandbox is rebuilt every 6 hours. So best start just after it was rebuilt. What you see on the sandbox will differ from the training sites only in the 'Log in' section at the start of the course.

For the course we use the Mozilla [Firefox](#) browser which can be downloaded from <http://www.mozilla.com>. If you don't have administrative rights on your computer you can use [Portable Firefox](#).

For the basic training course you can prepare by downloading the 'Training_Files.zip' file to your computer and extracting the files. An example of how your site can look like after finishing the basic and advanced course can be found at <http://carnidae.myspecies.info>.

Attachment	Size
Training_files.zip	1.82 MB
Manual for basic training course.pdf	717 KB
Manual for advanced training course.doc	304.96 KB
Logo.jpg	3.72 KB
ITIS_Taxonomy_Import.txt	3.95 KB
Biblio_Import.xml	49.66 KB
Advanced_Training_Files.zip	298.97 KB
Car_hem_F_dorsal.jpg	402.08 KB
Car_hem_F_ventral.jpg	361.21 KB
Car_hem_head.jpg	17.45 KB
Car_hem_M_lateral.jpg	435.74 KB
Phylogeny.txt	1.68 KB
Location_Import.txt	9.58 KB
Specimen_Import.txt	24.37 KB
2010ScratchpadsTrainingPresentation.ppt	55.11 MB
LocalityImportTemplate.txt	1.98 KB
SpecimenImportTemplate.txt	2.52 KB

[Login to post comments](#) [Printer-friendly version](#)

[EDIT](#)   

<http://scratchpads.eu/scratchpad-training-files>

Future Directions

BMC Bioinformatics

BMC Bioinformatics

 BioMed Central

Research **Open Access**

Scratchpads: a data-publishing framework to build, share and manage information on the diversity of life

Vincent S Smith*, Simon D Rycroft†, Kehan T Harman, Ben Scott and David Roberts†

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*Corresponding author †Equal contributors

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This article is available from: <http://www.biomedcentral.com/1471-2105/10/S14/S6>
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This is an open access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/2.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract

Background: Natural History science is characterised by a single immense goal (to document, describe and synthesise all facets pertaining to the diversity of life) that can only be addressed through a seemingly infinite series of smaller studies. The discipline's failure to meaningfully connect these small studies with natural history's goal has made it hard to demonstrate the value of natural history to a wider scientific community. Digital technologies provide the means to bridge this gap.

Results: We describe the system architecture and template design of "Scratchpads", a data-publishing framework for groups of people to create their own social networks supporting natural history science. Scratchpads cater to the particular needs of individual research communities through a common database and system architecture. This is flexible and scalable enough to support multiple networks, each with its own choice of features, visual design, and constituent data. Our data model supports web services on standardised data elements that might be used by related initiatives such as GBIF and the Encyclopedia of Life. A Scratchpad allows users to organise data around user-defined or imported ontologies, including biological classifications. Automated semantic annotation and indexing is applied to all content, allowing users to navigate intuitively and curate diverse biological data, including content drawn from third party resources. A system of archiving citable pages allows stable referencing with unique identifiers and provides credit to contributors through normal citation processes.

Conclusion: Our framework <http://scratchpads.eu/> currently serves more than 1,100 registered users across 100 sites, spanning academic, amateur and citizen-science audiences. These users have generated more than 130,000 nodes of content in the first two years of use. The template of our architecture may serve as a model to other research communities developing data publishing frameworks outside biodiversity research.

Page 1 of 16
(page number not for citation purposes)

BMC Bioinformatics 2009, 10 (Suppl 14)
S6doi:10.1186/1471-2105-10-S14-S6
Published: 10 November 2009

Scratchpads 2

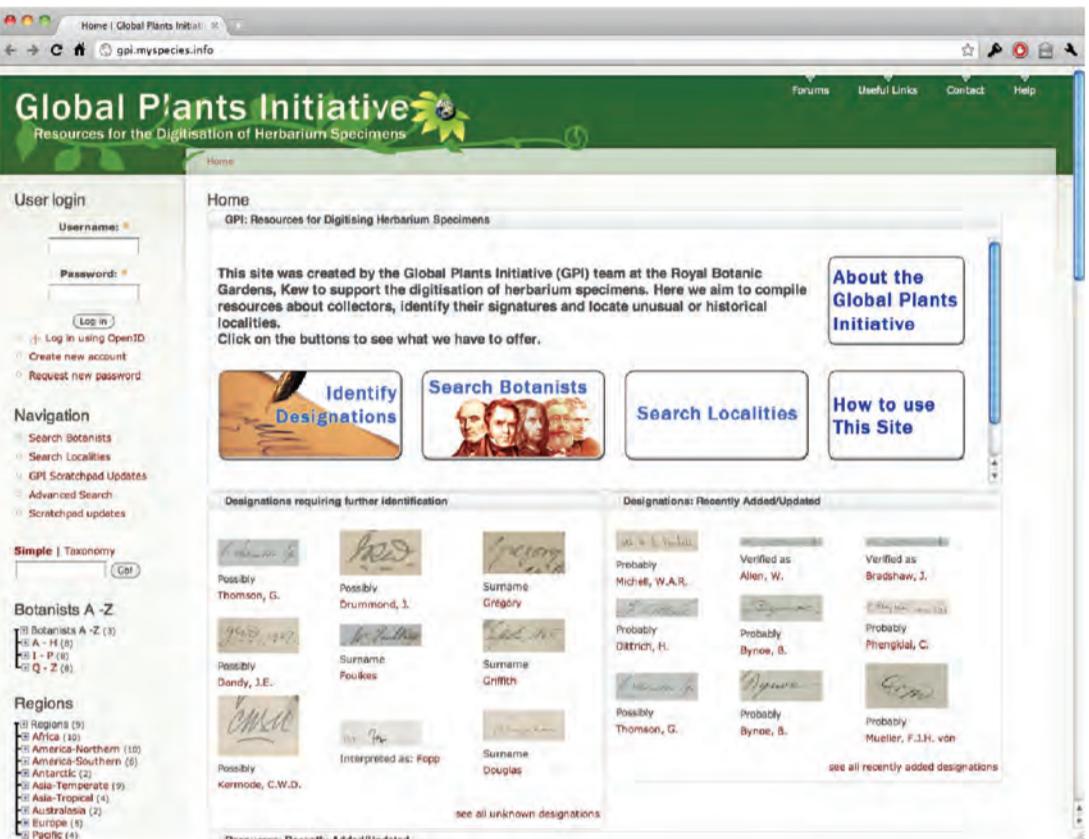
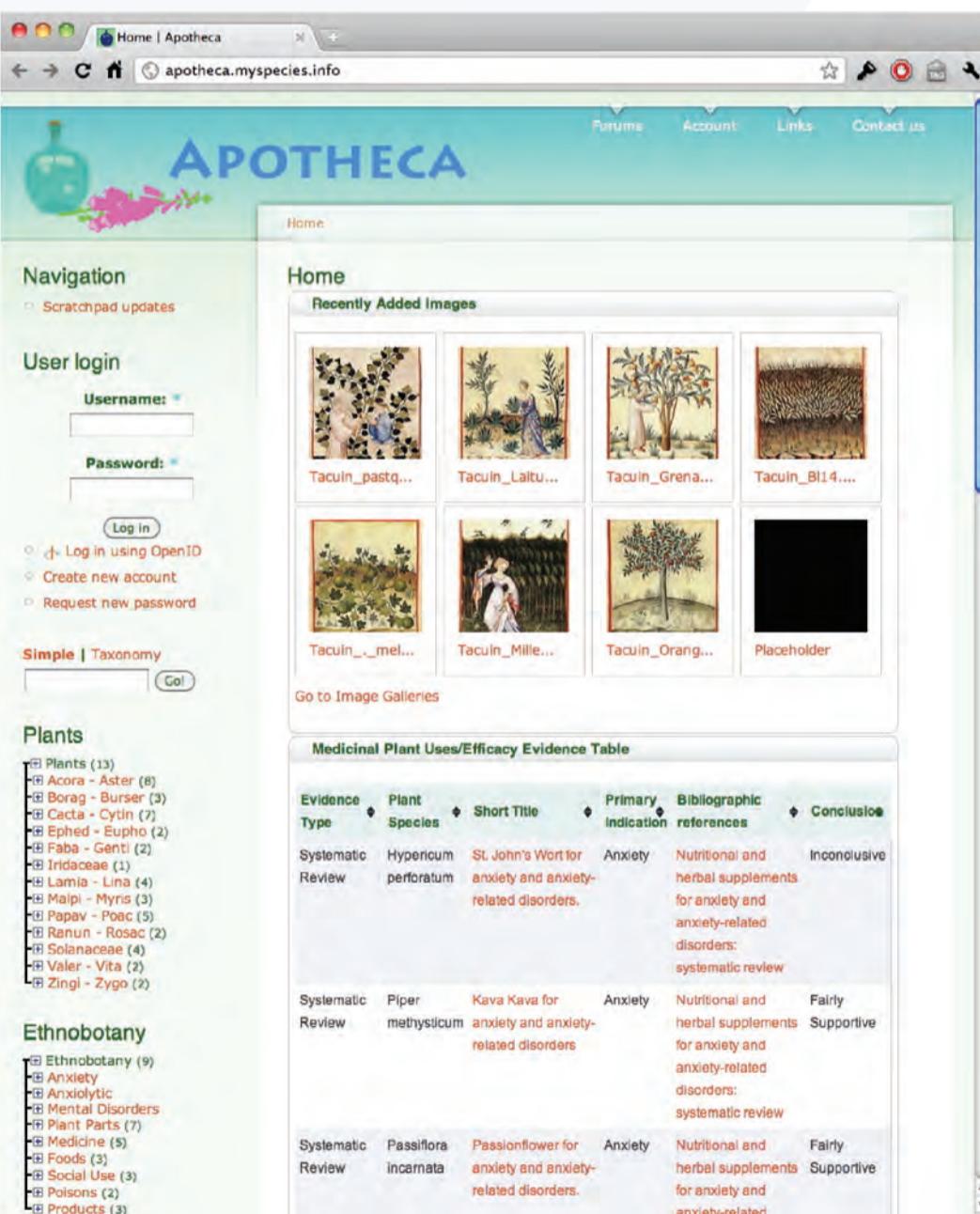
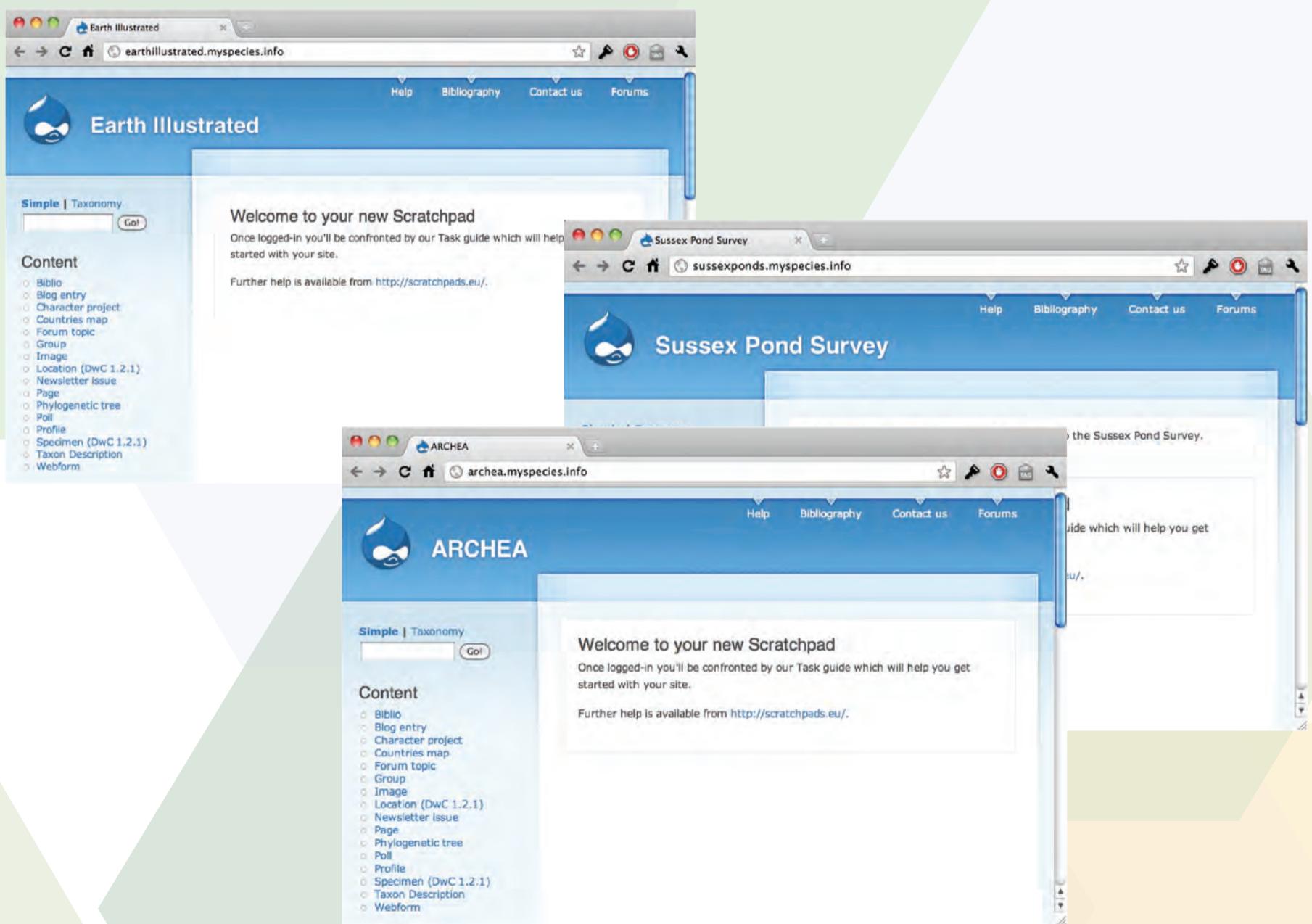
Scheduled for January 2012 (5 years after Scratchpad 1)
Move from Drupal 6 to Drupal 7 (4 year upgrade cycle, UI + entities)
67 Contributed modules (31 done, 14 untested, 22 to do)
52 Scratchpad modules (28 done, 14 untested, 10 to do)
Migrate current Scratchpads
New technical enhancements (hosting env., git, services, registry...)
- supporting sustainability
New user features (theme, workflow, spp. pages, mapping, services)
- supporting “publication”

<http://wiki.scratchpads.eu/w/Wp2>

Scratchpads 2: user enhancements

Consistent Scratchpad theme

Most sites use Garland (improves site looks)
 Idiosyncratic (colours & layouts)
 Sp2 more professional & scholarly
 Some flexibility (site profiles)



Scratchpads 2: user enhancements

Improved administrative interface & workflows



Basic vs. advanced admin
Poor findability, hard to use
Hide unnecessary items
Workflow complex functions
Integrate complex actions
Guide the user through each step

Adding users
Site setup functions
Groups & permissions
Edit / add content types
Importing content & taxonomy
Creating services
Creating views
“Pages” menu concept

The screenshot shows the Phthiraptera.info administration interface. A sidebar on the left lists various site management tasks. Red numbers 1 through 5 are overlaid on the main content area to highlight specific features:

- 1** Content management: A section for managing site content, including backup, comments, content types, forums, and RSS publishing.
- 2** Site building: A section for controlling site looks and feels, including blocks, contact forms, menus, and themes.
- 3** Organic groups: A section for managing organic groups modules, including configuration and forums.
- 4** Messaging & Notifications: A section for administering messaging and notifications, including message types and notification settings.
- 5** Site configuration: A section for adjusting basic site configuration options, including permissions, autotag settings, and taxonomy settings.

The main content area also displays a sidebar with navigation links such as Home, Administer, Help, Bibliography, Contact us, and Forums. On the far right, there are lists of Lice and Aves categories.

Scratchpads 2: user enhancements

Project themed scratchpads

New site management system (Aegir)

Support project specific profiles

themes, modules & workflows

Example themes include

eMonocot sites

GBIF Nodes Portal Toolkit

EOL LifeDesks?

The image shows two screenshots of biodiversity websites. On the left, the eMonocot website features a header with the logo and navigation links like Home, Objectives, Deliverables, Communicate, Forum, Log In, and Search. Below this is a main content area with sections for Activities, Upcoming events, and Management. On the right, the GBIF Vocabularies website has a similar header and a main content area showing a table of vocabulary terms with columns for status, updated date, concepts, terms, and web service.

The image shows the Scratchpad Server Administration Site interface. It includes sections for 'About you' (with fields for Title, Full name, Email, Confirm Email, Institution, and Country), 'About your Scratchpad' (with fields for Site title, Taxonomic scope, Website domain, Mission statement, Google API key, and ClustrMap HTML), and a 'Miscellaneous' section. A callout box highlights the 'Scratchpad type' dropdown, which shows 'Standard Scratchpad (http://scratchpads.eu)' and 'emonocot Scratchpad (http://e-monocot.org)' with the latter being selected. A 'Sign up' button is also visible at the bottom.

Scratchpads 2: user enhancements

New species pages

Directly edit the page

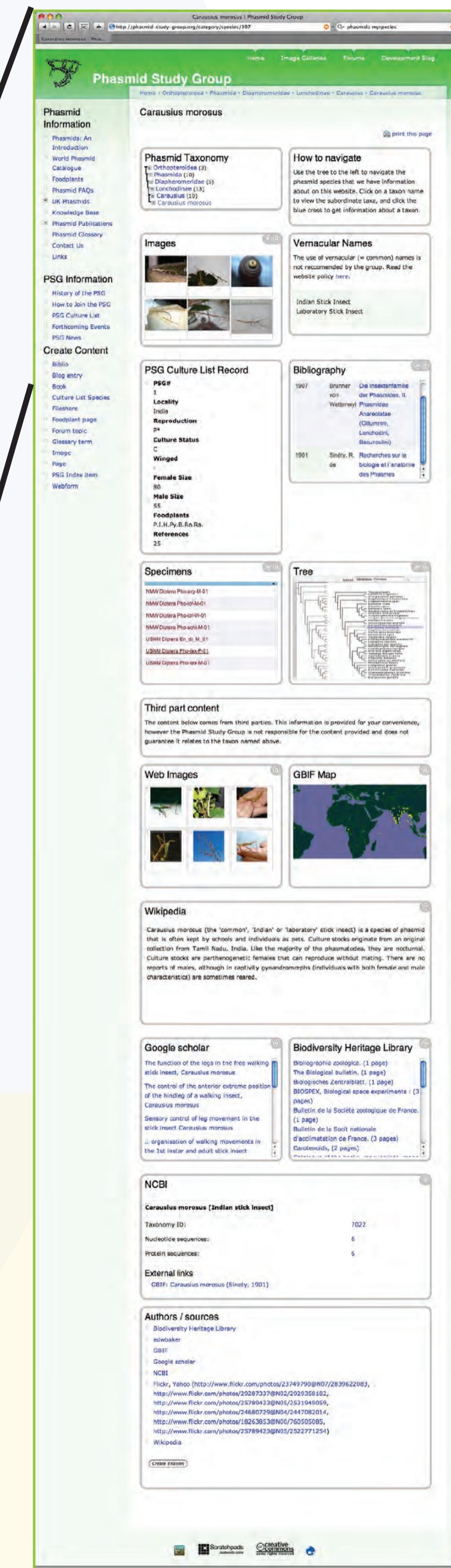
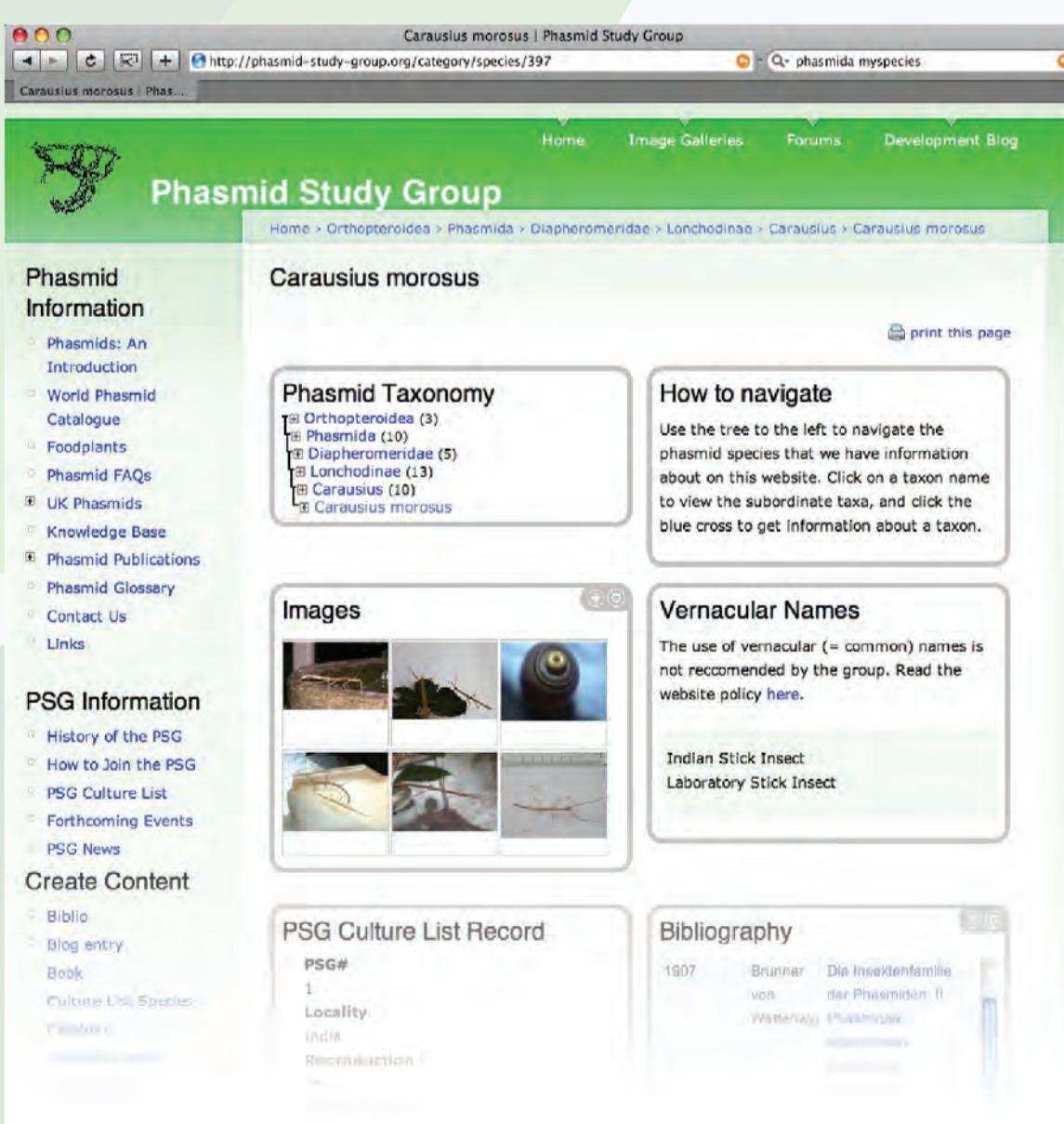
Better presentation

Tabs (myspecies / ispecies)

Data inheritance (parent-child)

Better content controls

More intelligent ispecies filters

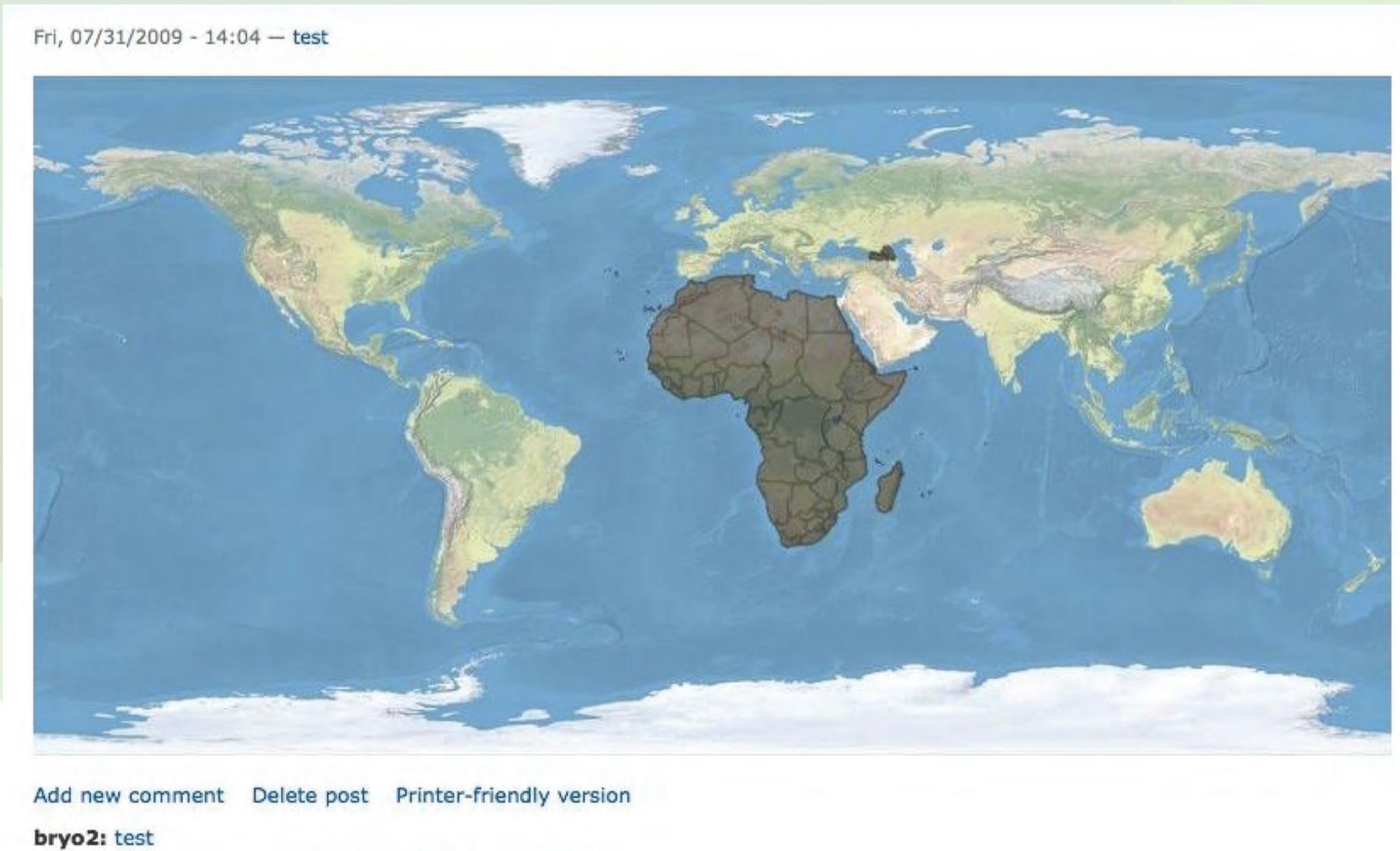


Scratchpads 2: user enhancements

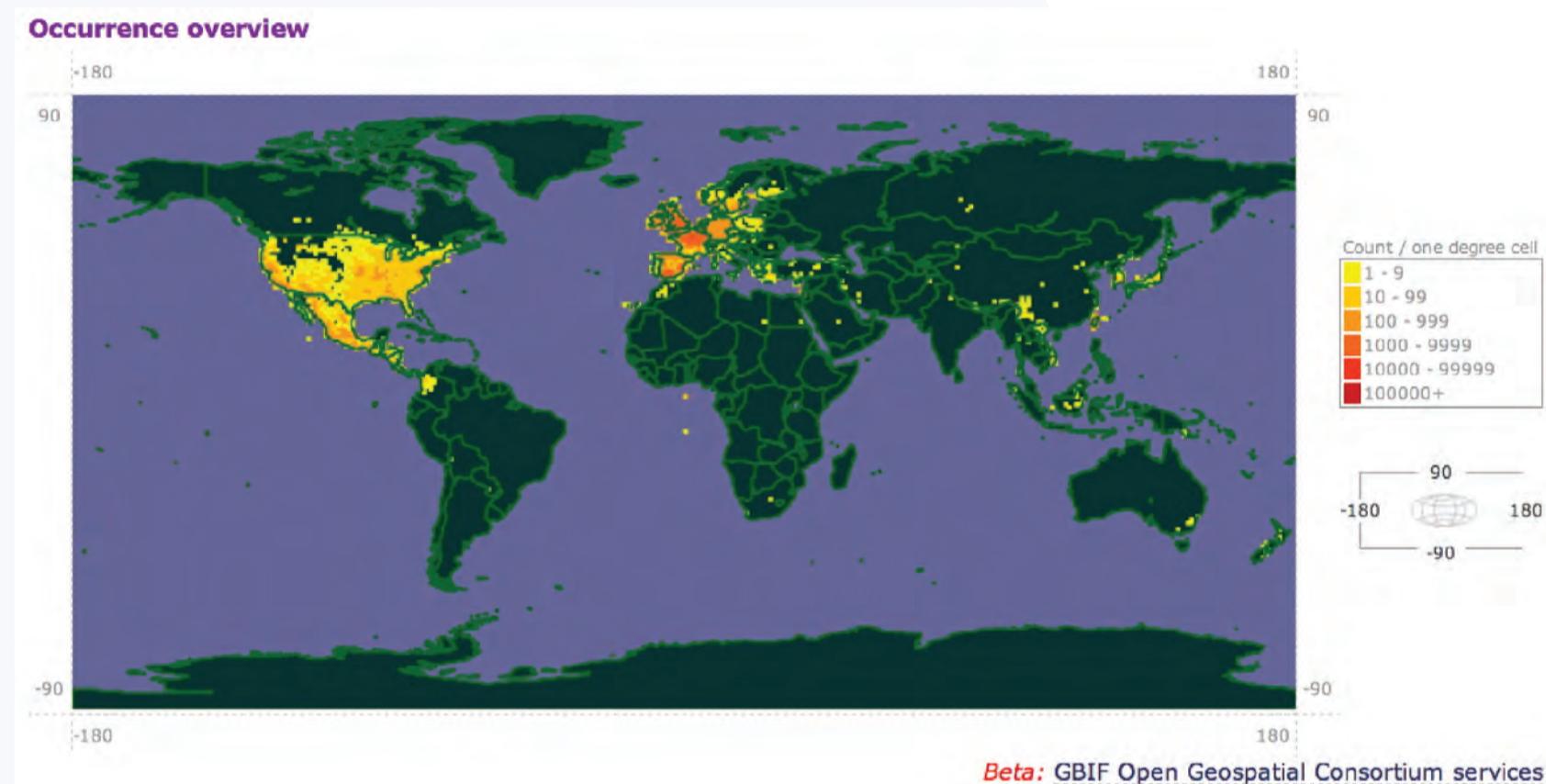
Integrated mapping



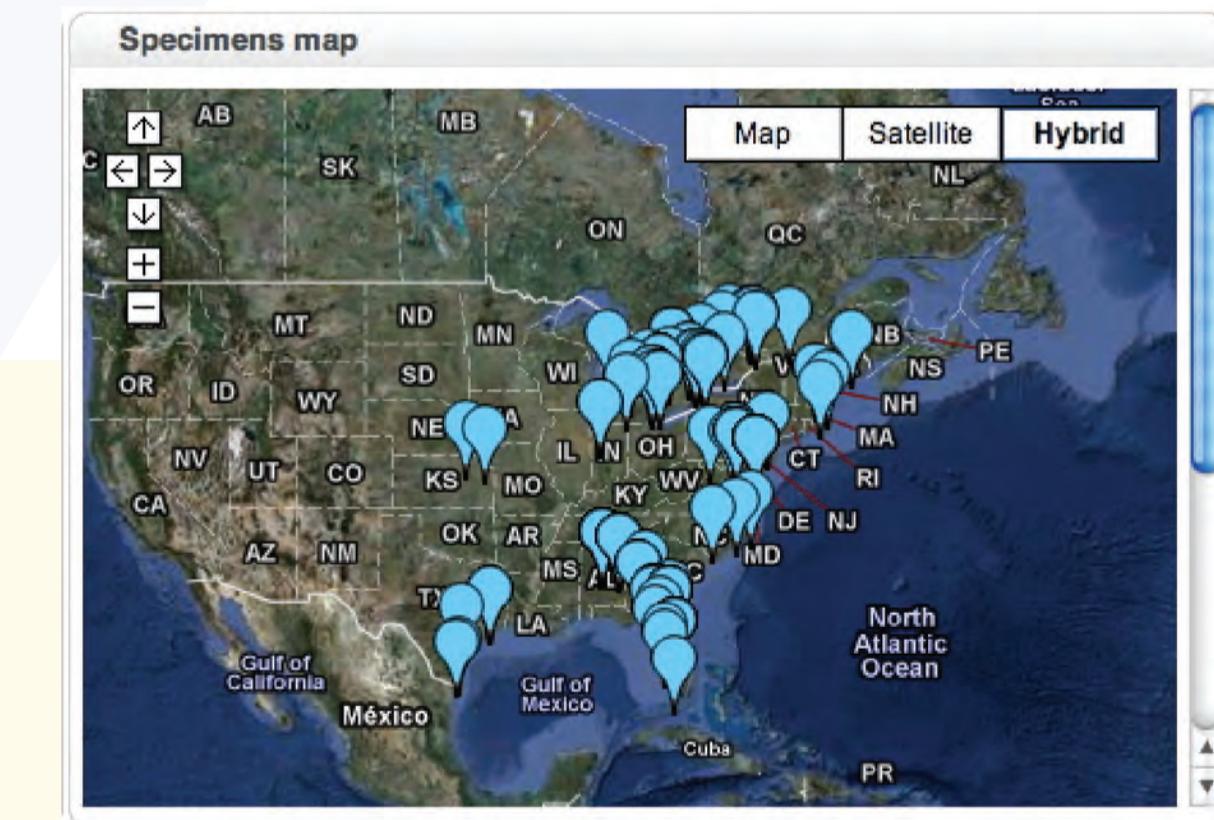
3 current map types



Areas (TDWG level 4)



GBIF occurrence records



Specimen point localities

Scratchpads 2: user enhancements

Integrated mapping

3 current map types

All integrated & editable in Scratchpads 2

TDWG area data
(from Scratchpads)

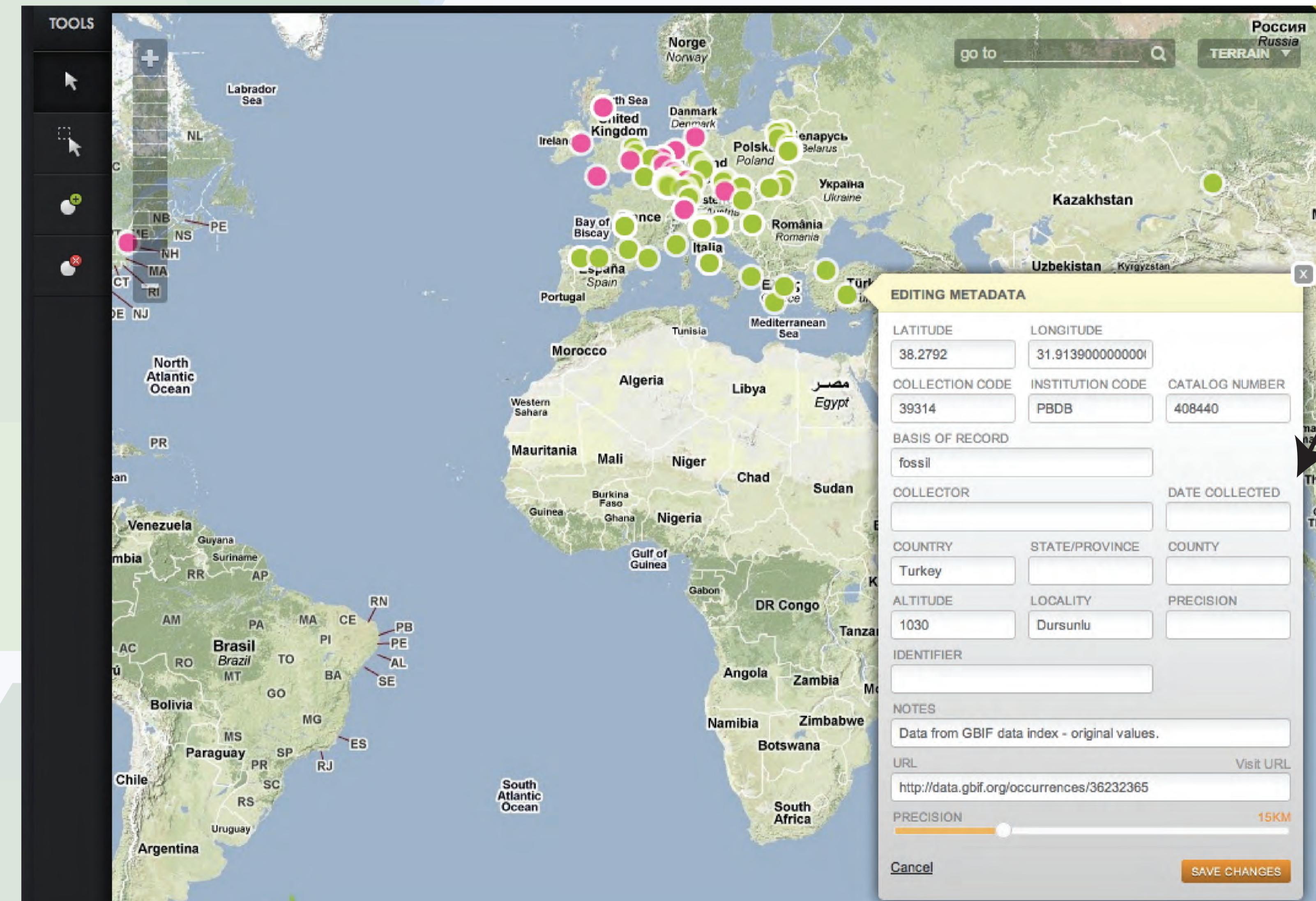
Point localities
(from Scratchpads)

Point localities
(from GBIF)

Point localities
(from flickr)



Edit point
metadata on map



Scratchpads 2: the future

A natively digital scholarly communication system

The article was (is) the unit of scholarly comm. (350yrs)

Research practices have moved on

Highly collaborative, data intensive & networked

Scholarly communication has not adapted (e.g. the PDF)

Published “knowledge” hides “dark data”

Need a natively digital scholarly communication system

Must support end-to-end the lifecycle of data, information & knowledge

“the future scholarly communication system should closely resemble - and be intertwined with - the scholarly endeavor itself, rather than being its after-thought or annex”

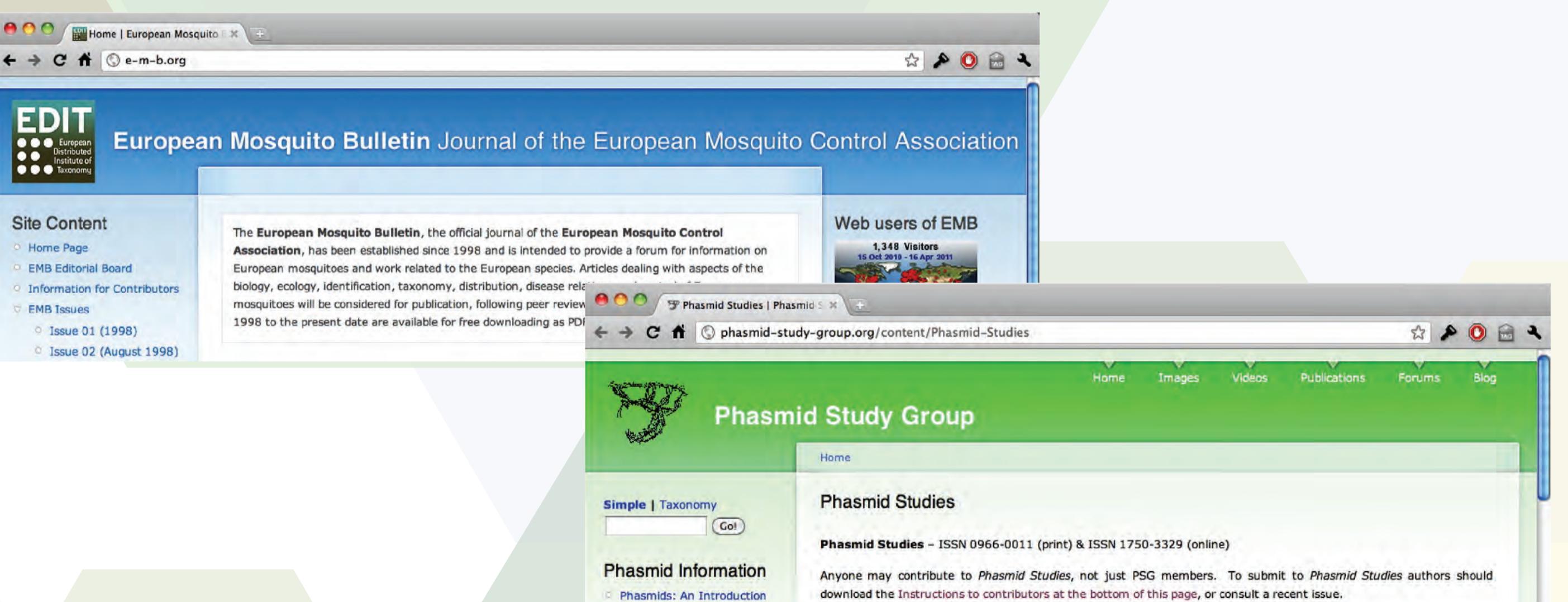
Van de Sompel et al 2004. <http://bit.ly/a3o9UX>



Current publishing efforts on Scratchpads

1. Low cost journal infrastructure

*Scratchpads used to publish PDFs (1,000's)
Independent editorial control & peer review
Free to publish, open access, no page limits
ISBN's, but no doi's, PubMed or ISI impact
No online submission, just static PDFs*



*European Mosquito Bulletin 29 (2011), 66-81
Journal of the European Mosquito Control Association
ISSN 1466-6127; www.e-m-b.org
First published online 5 April 2011*

A study of the circulation of West Nile virus, Sindbis virus, Batai virus and Usutu virus in mosquitoes in a potential high-risk area for arbovirus circulation in the Netherlands, "De Oostvaardersplassen".

Chantal Reusken¹, Ankje De Vries¹, Erik Ceelen¹, Jacob Beeuwkes², and Ernst-Jan Scholte²

¹ Laboratory for Zoonoses and Environmental Microbiology, Centre for Infectious Disease Control Netherlands, Bilthoven, the Netherlands. ² National Centre of Vector Monitoring, Plant Protection Service, Wageningen, the Netherlands.

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Abstract

The Dutch national nature reserve "De Oostvaardersplassen" is considered a potential high-risk area for arbovirus circulation in the Netherlands: over 6000 hectares of wetland accommodating a diverse and abundant mosquito population, and a wide variety of wildlife. This wildlife includes migratory birds arriving from arbovirus endemic areas in Africa and Central Europe. Here we have continued a combined mosquito and virological survey in this area as a first step to assess the risks for public and veterinary health of this nature reserve as ecosystem for enzootic arbovirus circulation. A combination of three types of traps was used and collected mosquitoes were analysed for the presence of West Nile virus, Usutu virus, Batai virus and Sindbis virus RNA. Sixteen different species, covering six genera were collected, in a total number of 1557 mosquitoes collected in 31 trap nights. Thirteen species are reported field or laboratory vectors for a wide variety of infectious pathogens, including West Nile virus, Usutu virus, Tahyna virus, Rift valley fever virus, Sindbis virus, Batai virus, Lednica virus, *Francisella tularensis* and *Dirofilaria immitis*. No evidence for the circulation of arboviruses was found in the collected mosquitoes.

Keywords: arbovirus, Culicidae, ecology, birds, zoonoses.



Table 2. Total numbers of adult mosquitoes collected in the irrigated fields at Wroclaw, 2008, showing percentage in each collection and relative frequency of the three commonest taxa.

Mosquito collection	Percentage of season total			Total (%)
	June	July	September	
All adult specimens	30.4	19.4	50.2	59,648 (100)
<i>Ae. vexans</i>	6.7	4.5	16.8	703 (28.0)
<i>Oc. caspius</i>	20.4	4.5	29.8	1373 (54.7)
<i>Cx. pipiens</i> l <i>Cx. torrentium</i>	3.3	10.3	3.6	434 (17.3)

Current publishing efforts on Scratchpads

2. Simple data publishing > GBIF

USNM Diptera Pa-ni-M-01
Edited by Irina Brake on Wed, 2011-04-27 11:52

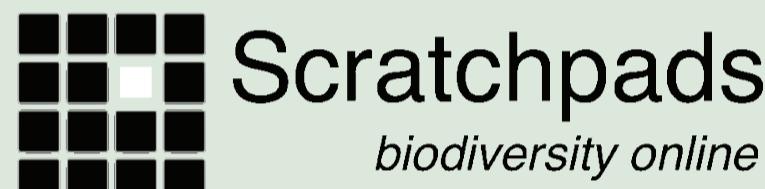
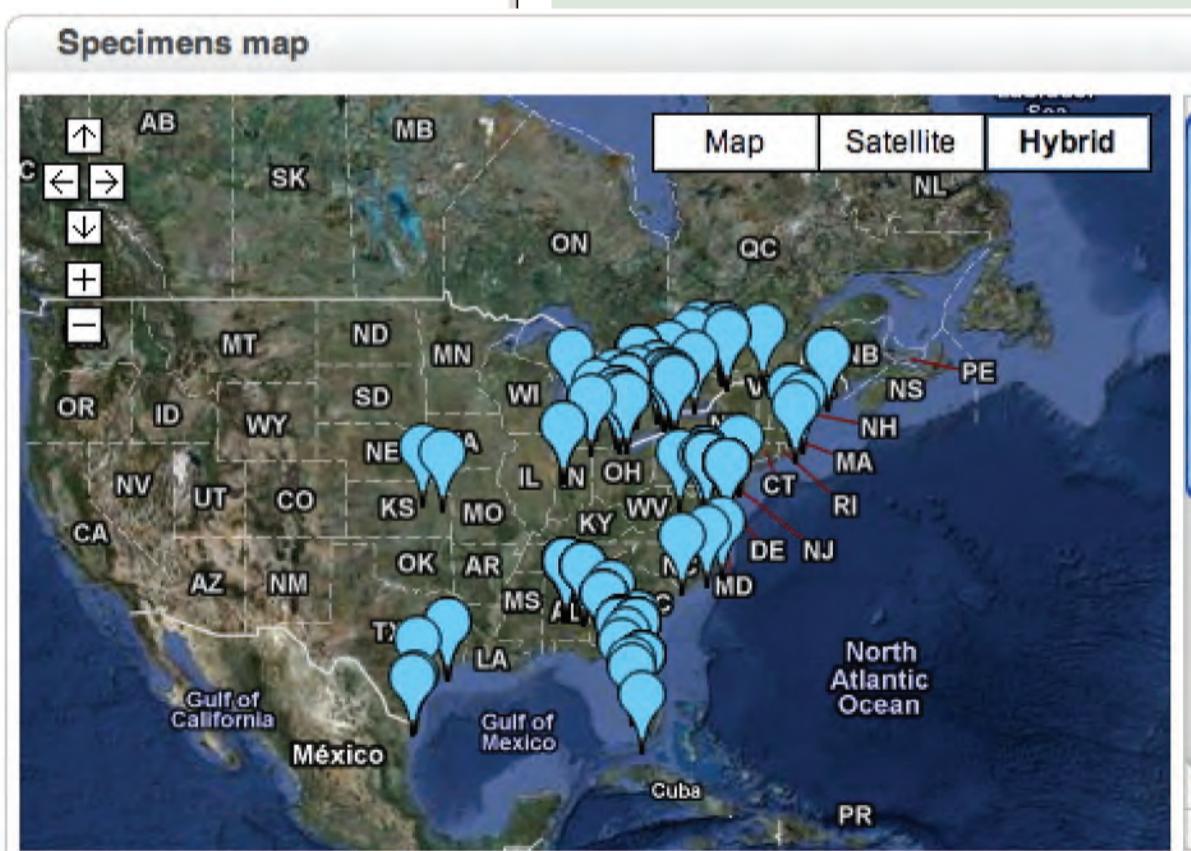
Collection
Institution Code: USNM
Collection Code: Diptera
Catalogue Number Text: Pa-ni-M-01
Collector: Steyskal, G.
Earliest Date Collected: 9 July 1969
Latest Date Collected: 9 July 1969

Identification
Basis of Record: Preserved Specimen
Taxonomic Name: Paramyia nitens

Miscellaneous
Sex: Male

Location
Continent/Ocean: Northern America
State/Province: Ontario
Locality: Kadar
Latitude: 44° 38' 60" N
Longitude: 77° 7' 0.12" W
Country Code: Canada

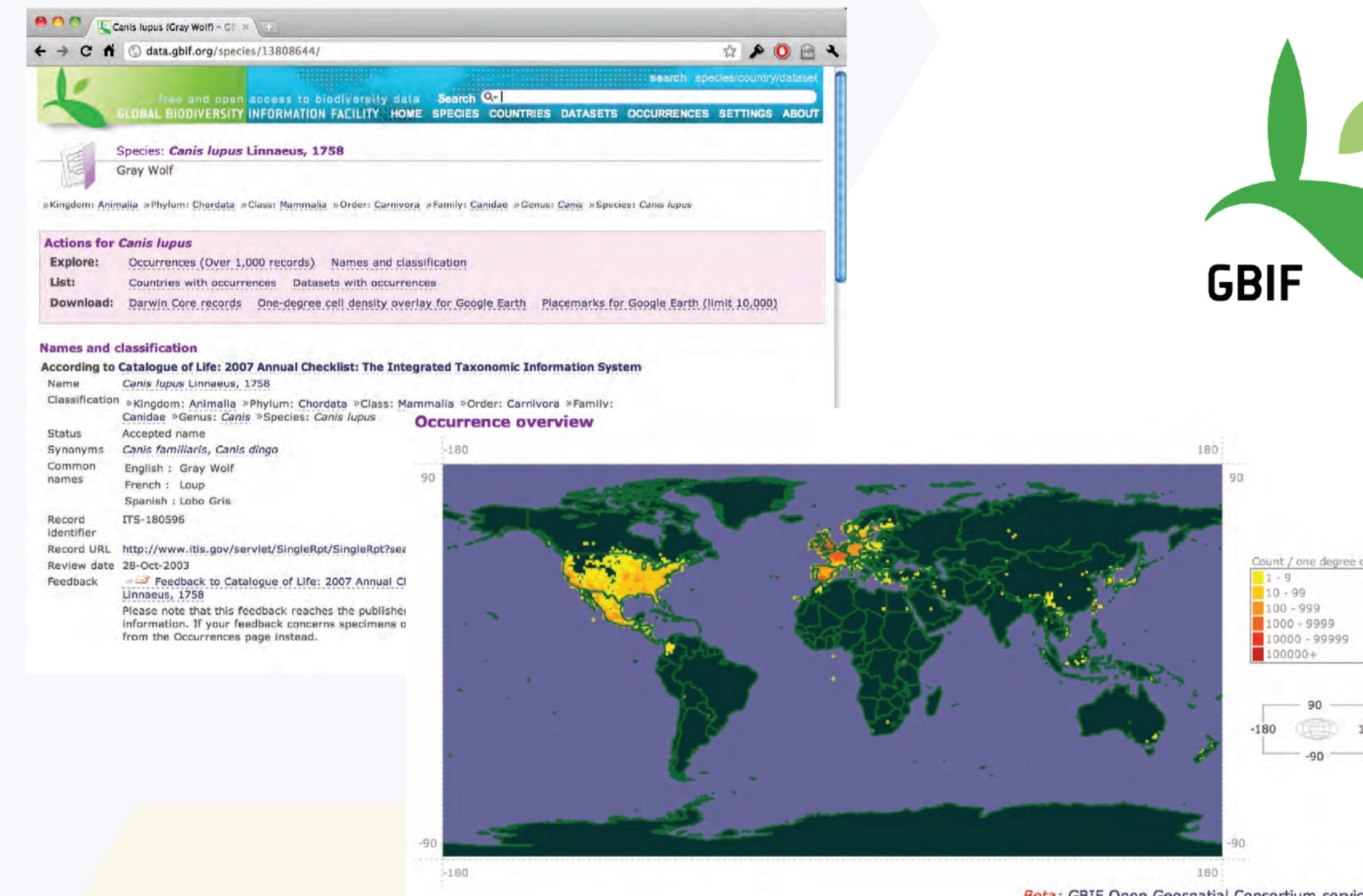
Login or register to post comments 20
Sex: Male
Classification: Paramyia nitens
Basis of record: Preserved Specimen



>18K specimen records
(local small scale coverage)



Pushed to 3rd party specialist
data publishers



>276M specimen records
(worldwide coverage)

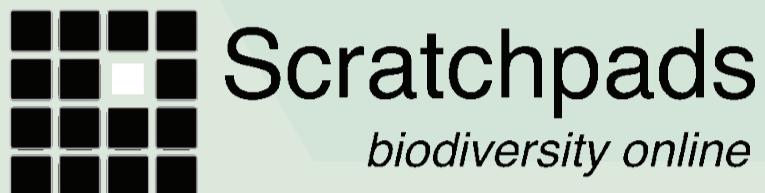


Next generation article publishing

3. From prototype to operation

Paper assembled from
Scratchpad database

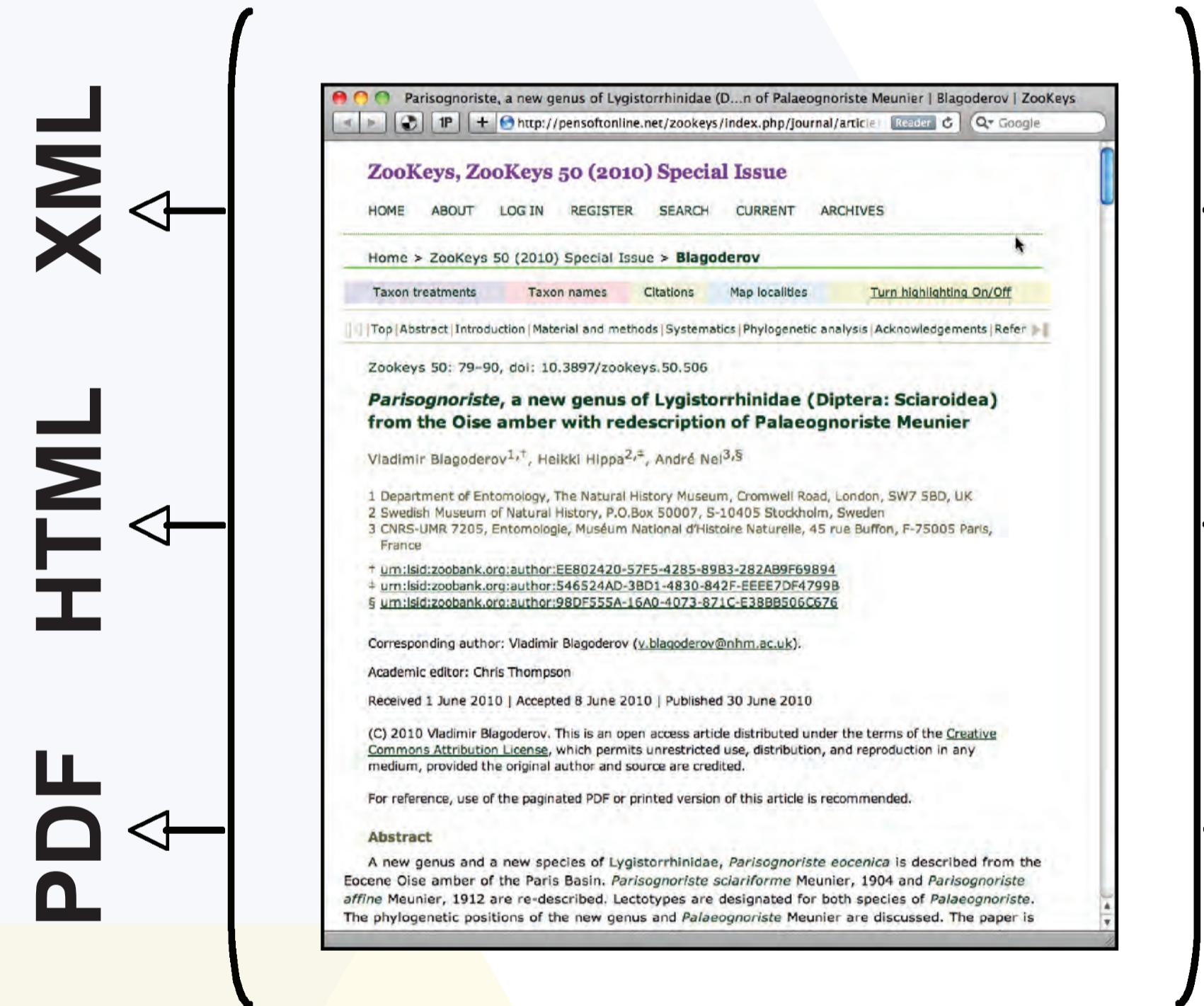
The screenshot shows the Scratchpads biodiversity online interface. On the left, there's a navigation sidebar with sections like 'Publications', 'Materials', 'Operations', 'Abstract', 'Keywords', and 'Material and Methods'. The main content area displays a paper titled 'Parisognoriste, a new genus of Lygistorrhinidae (Diptera: Sciaroidea) from the Oise amber with redescription of *Palaeognoriste* Meunier'. It includes sections for 'Abstract', 'Introduction', 'Material and Methods', 'Systematics', and 'Discussion'. Below the abstract, there's a detailed description of the type material, mentioning a holotype from North Tunisia and a paratype from France. The right side of the interface shows a preview of the paper's content.



5-step workflow for selecting
data, adding metadata
& previewing

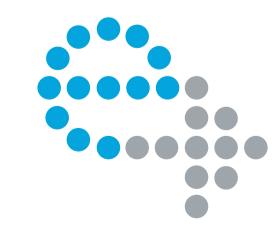


XML submission, peer review &
marked-up publication by Pensoft



Published in Zookeys &
Phytokeys
(worldwide coverage)

e-infrastructure

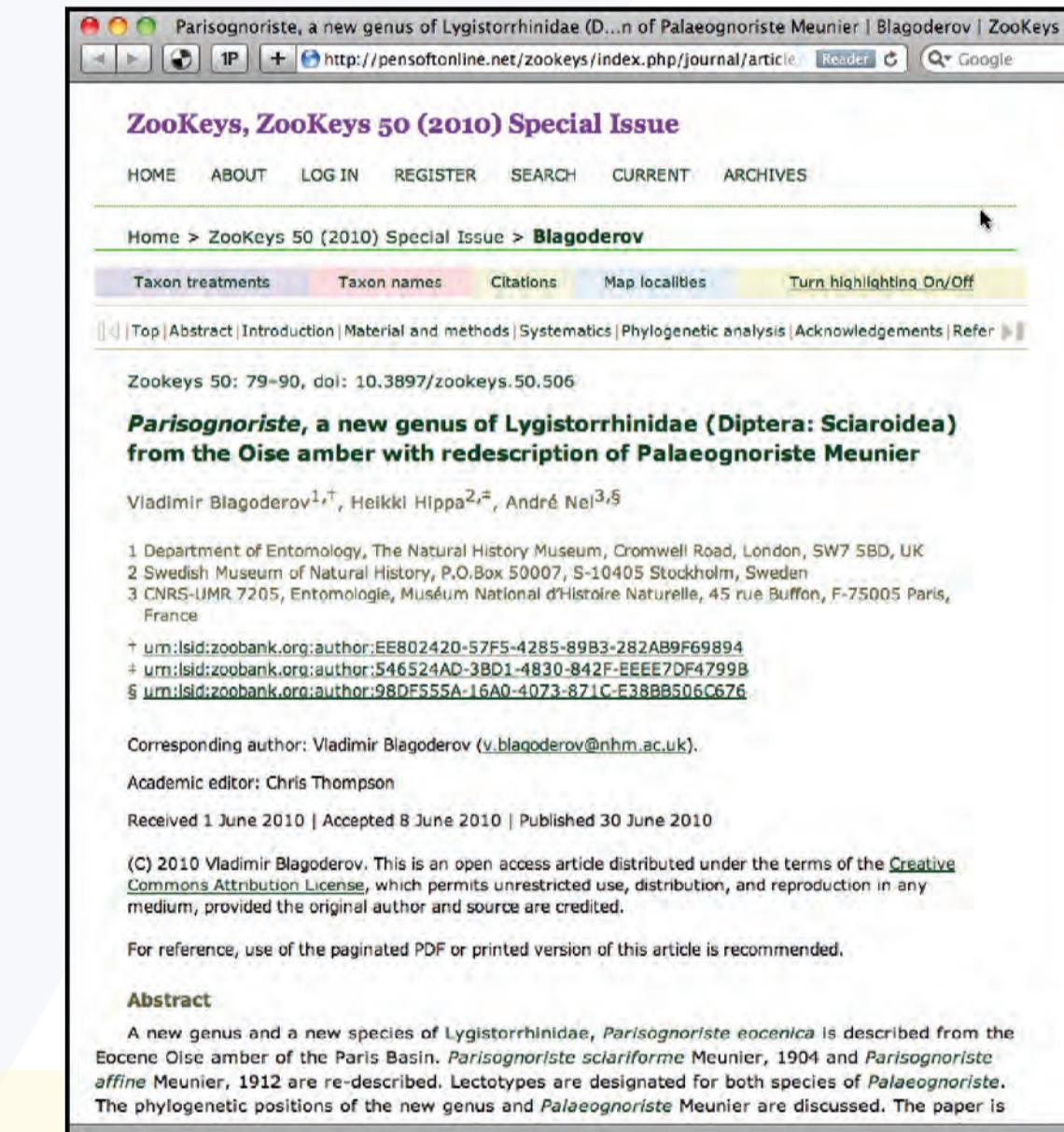
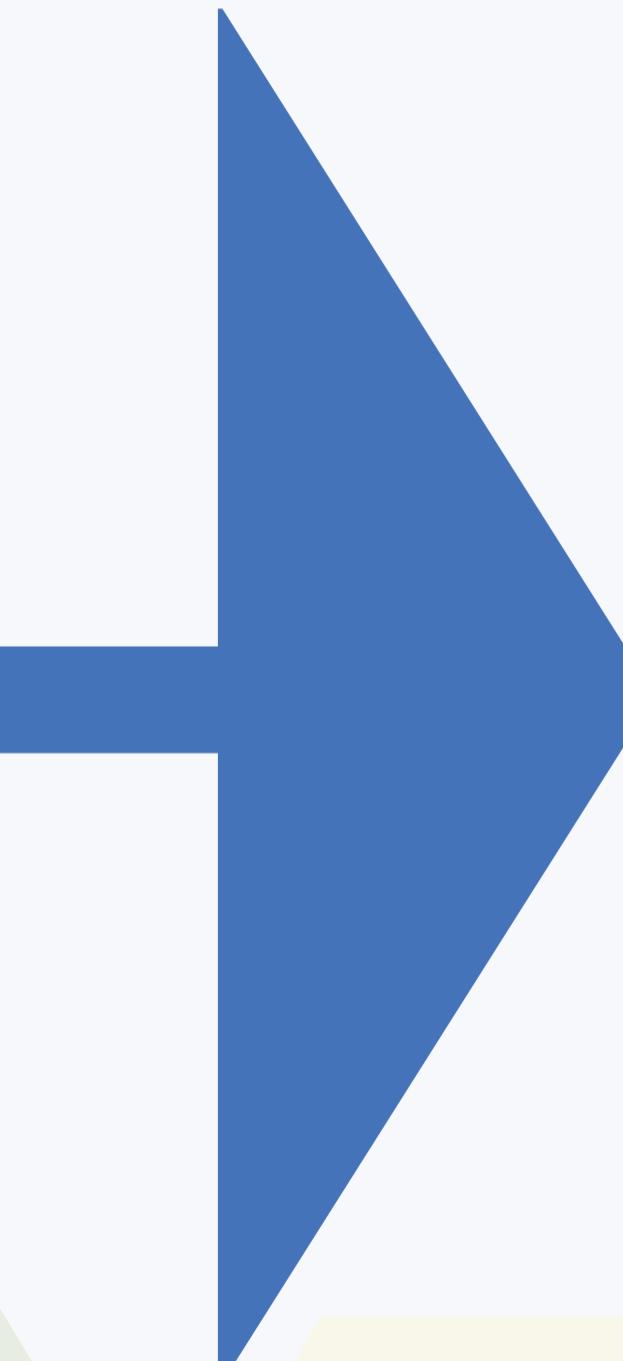
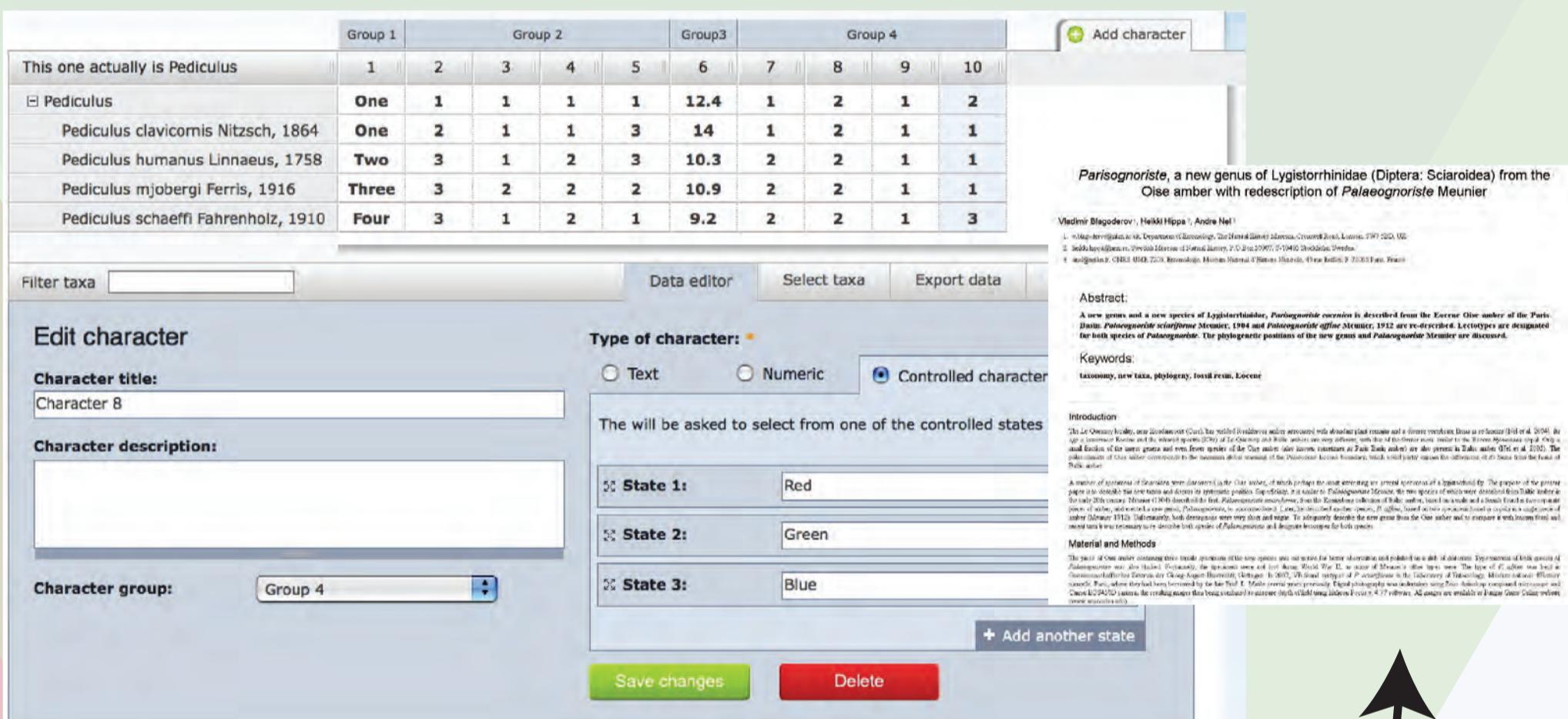
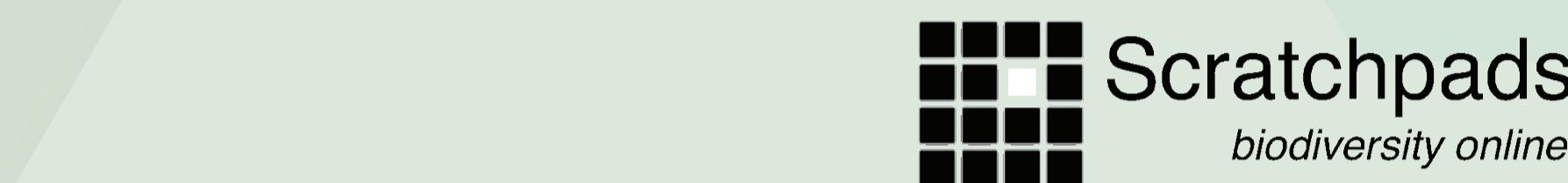


Next generation article publishing

4. Formally publishing metadata descriptions of datasets

Dataset & metadata description
assembled in Scratchpad

Dataset description reviewed,
published & citable from new journal



Dataset
doi:xxxx.50.539

Datasets built & described via a
Scratchpad & dataset deposited
in permanent repository



Datasets built & described via a
Scratchpad & dataset deposited
in permanent repository

Dataset description published
in new data publication journal



Observation 1

**The primary barrier to researcher's engagement
is sociological, not technological.**



Scratchpad Training

Scratchpad Log-in

<http://trainingXX.myspecies.info>

Username: username

Password: password

Sites will be available until 9th September

Scratchpad Training Files

<http://scratchpads.eu/scratchpad-training-files>

Test site

<http://sandbox.scratchpads.eu>