ViBRANT: linking communities and services
Dave Roberts, Simon Rycroft & Vince Smith
Pre-ViBRANT landscape

Complex
Fragmented

ZooKeys
E Journal

flickr

WIKIPEDIA
The Free Encyclopedia

Occurrence & vocabulary tools

GBIF

EMBL-EBI

BHL

Scratchpads
biodiversity online

PESI

Community Data Platform

Standards

Aggregation Portal

EU projects

4D4Life

EDIT

Edward D. Neefus

EDIT

European Distributed Institute of Taxonomy

Encyclopedia of Life

ELIXIR

LifeWatch

ESFRI

EU projects

Pre-ViBRANT landscape

Complex
Fragmented

ZooKeys
E Journal

flickr

WIKIPEDIA
The Free Encyclopedia

Occurrence & vocabulary tools

GBIF

EMBL-EBI

BHL

Scratchpads
biodiversity online

PESI

Community Data Platform

Standards

Aggregation Portal

EU projects

4D4Life

EDIT

Edward D. Neefus

EDIT

European Distributed Institute of Taxonomy

Encyclopedia of Life

ELIXIR

LifeWatch

ESFRI

EU projects
Post-ViBRANT landscape

INTEGRATED SUPPORT

Support Services (help desks, courses, networking)

Sociological research & feedback

INTEGRATED SUPPORT

ZooKeys

Code compliant e-publishing from Scratchpads

biowikifarm

EMBL-EBI

flickr

GBIF

Scratchpads

biodiversity online

Mirroring & load balancing, phylogenetic & ID services, literature services

4D4Life

Occurrence & vocab. data publishing

Integration & networking

Aggregation portal, gap analysis, quality control, API data services

ESFRI

LifeWatch (Prototype service centre)

ELIXIR (EBI metadata services)

EMBRC (Support for marine research communities)
“overall objective”

to increase the mobility of data and to make use of shared web resources wherever possible using the Scratchpads as a hub to link a community's data with a range of services.

“making the Scratchpads better”

More reliable & sustainable (e.g., distribute the servers, simple administration, distribute developers, development sandbox)

More functional (e.g., phylogenetic & publication services)

Easier to use (better workflows)

Prettier (better graphical design - more intuitive)

More integrated (for data stored inside & outside the Scratchpad framework)

“making natural history better”

Easier to compile, manage and reuse your data

Easier to find and reuse other peoples data

Promoting your data inside & outside the taxonomic community

Getting people to work for you (crowdsourcing)
Scratchpads

Virtual machine hosted on VMWare vSphere 4
8GB Ram
Intel Xeon E5630 (4 x Cores)
260GB of Storage
Tivoli Backup every 24 hours
Debian 6.0.3
PHP - 5.3.3
MySQL - 5.1.49
Apache - 2.2.16

Nodes: 390,092 on 14 Oct 2011
A website for you & your community

Your data ➔ Your web site
Virtual Biodiversity
ViBRANT-infrastructure

In the framework of the EU-funded ViBRANT project, the Scratchpad team is setting up the 2012 training programme. Stay tuned!

In the meantime, if you have any suggestions on where and when to offer training, please let us know. Users of Internet Explorer will experience problems with this.

Application
Places on these courses will be limited to about 8-12 so that participants can:
• get as much time as possible for hands-on exercises;
• enjoy the informal, relaxed atmosphere and have the chance to interact with other participants.

Training manuals and other training aids are available for self-training by request. Note that the majority of the training will be offered in English.

Ambassadors programme
Scratchpad Ambassadors

Scratchpad Ambassadors are enthusiastic experienced Scratchpad users who can help share, manage and promote Scratchpad.

Become an Ambassador
We are recruiting a select group of Scratchpad Ambassadors to help promote the project. Please register to take part in this.

Spread the word
You can spread the word about Scratchpad at your institution using our Scratchpad training presentation. Feel free to adapt the presentation to suit your needs.

More info and presentations on Scratchpads:

Scratchpad as an introduction
About Scratchpad

The sandbox was last updated 3 hours 10 min ago. You have approximately 2 hours 49 min before the site is wiped.

Login to the site using the username: “test” and the password: “pass”

Specimen data in a Scratchpad conformed to the Darwin Core (version 1.2.1) format recommended by TDWG (Biodiversity Information Standards). Future issues should be considered.

Examples:

- Specimen ID: D1001
- Specimen name: Colpidium colpoda
- Collection date: 2008-05-01
- Location: Lake Michigan

Help
Not sure what you are doing, try the Scratchpad Help Page.

Examples:

- Sorting images not working
- It has uploaded a number of images to the image library, they are not displaying correctly.
- Click “Search” and select “Sort by image” to sort the images in alphabetical order.
- Future issues should be considered.
Can we use web data to identify the range of audiences for the Scratchpads?**

<table>
<thead>
<tr>
<th>Myspecies.info (1 Oct 10 - 31 Mar 11)</th>
<th>Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>All ISPs*</td>
<td>9212</td>
<td>100</td>
</tr>
<tr>
<td>ISPs* excluding commercial providers</td>
<td>2316</td>
<td>25</td>
</tr>
</tbody>
</table>

* Average time on site >4 sec.

<table>
<thead>
<tr>
<th>Categories of ISPs</th>
<th>Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research/Education/R&amp;D</td>
<td>1933</td>
<td>83</td>
</tr>
<tr>
<td>Government</td>
<td>204</td>
<td>9</td>
</tr>
<tr>
<td>Company</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td>Non-profit</td>
<td>41</td>
<td>2</td>
</tr>
<tr>
<td>Health</td>
<td>39</td>
<td>2</td>
</tr>
<tr>
<td>Art/culture/media/publishing</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>Travel</td>
<td>23</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td>1</td>
<td>0.04</td>
</tr>
</tbody>
</table>

** Data presented at Altmetrics workshop of the ACM WebSci ’11
Mark up, publication, dissemination and use of taxonomic information

NEW PUBLICATIONS

- TaxPub XML schema
- PENSOFT MARK UP tool
- Marked up publications
  - PDF, HTML and XML

LEGACY LITERATURE (FLORAS, FAUNAS)

- TaXMLit XML schema
- TaxonX XML schema
- PLAZI’ GOLDEN GATE
- Scratchpads biodiversity online

Automated submission; peer-review

Unified marked up final output
- Taxon treatments, keys, images, localities

End User

- Electronic archives; Data centers
- WIKIs
  - Species-ID, biowikifarm, Wikispecies, Wikipedia
- Indexing
  - (IPNI, ZooBank, MycoBank, GNA)
- Aggregators
  - (EOL, GBIF, PLAZI)
Are you a diver? Do you like nature? Then we need your help! We offer you to participate in an international scientific project to engage amateur naturalists in a process of recording marine biodiversity. It's easy, all we ask from you is your passion for life on earth and a bit of your time before and after your dive.

Follow a short seminar before your dive about the Cretan fish fauna and how to identify different species. Afterwards you will go on a dive accompanied by marine scientists who will teach you how to spot various fish. By using the underwater field guide you will be able to identify the species yourself.

During your dive you will identify and record the species you encounter. Your underwater field guide allows you to note down right on the spot which and how many fish you observe.

After your dive, you will share your data through an interactive online-database. We will show you how to create an account on this site to be able to enter your observations. These data, of great value to the scientific community, will be used to assess the state of the marine biodiversity along our coasts... and of course we will acknowledge your efforts in future scientific outcomes!

Virtual Biodiversity
ViBRANT - infrastructure

SEVENTH FRAMEWORK PROGRAMME

Oxford Batch Operations Engine
https://oboe.oerc.ox.ac.uk/

Users

Middleware

Services

Oxford Supercomputing Centre - various services

Possible future services

Local services at Oxford e-Research

Database replica set
Citation and credit

Streamlining taxonomic publication: a working example with Scratchpads and ZooKeys

Vladimir Blagoderov¹, Irina Brake¹, Teodor Georgiev², Lyubomir Peney³, Dave Roberts⁴, Simon Rycroft⁵, Ben Scott⁶, Donat Agosti⁷, Terrence Corspin⁸, Vincent S. Smith⁹

Reference


Permalink

http://milichiidae.info/citations/63

DataCite

Helping you to find, access, and reuse data
Thank you for your attention.

Any questions?

e-mail: enquiries@vbrant.eu

http://vbrant.eu

http://scratchpads.eu