Formation sur la qualité, la publication et l'utilisation de données sur la biodiversité

ISEM, Montpellier

22-24 février 2017

Les Data papers, une incitation à la publication des données sur la biodiversité

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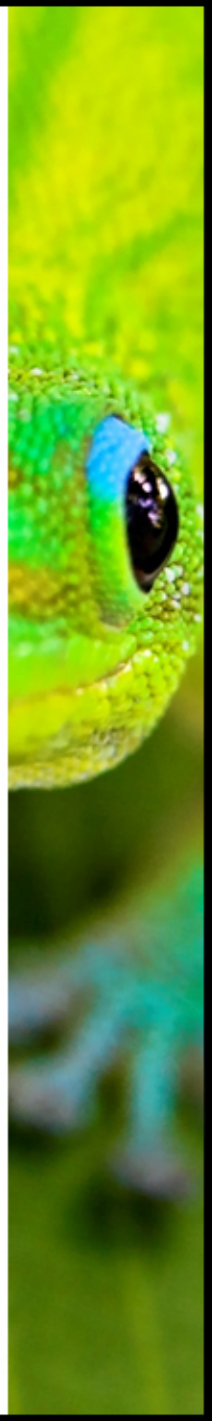
Data paper

Une incitation à la publication des données de biodiversité



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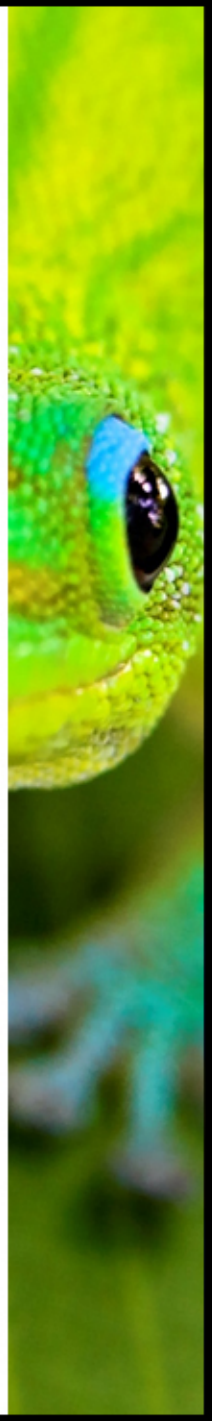
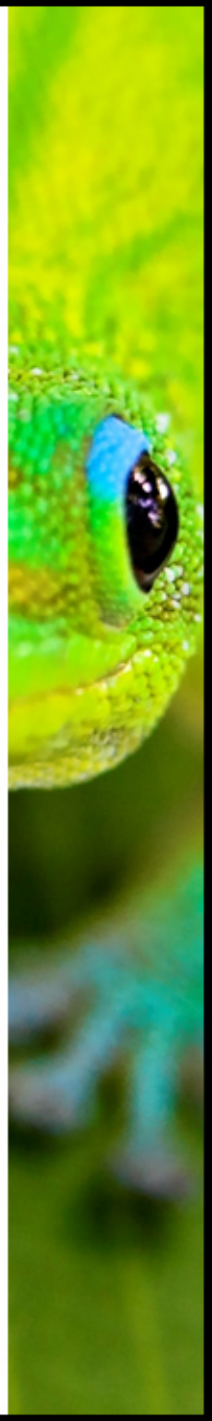


Une proposition concrète récente

Depuis le développement des BD et des projets d'informatisation, la mauvaise valorisation du temps passé à informatiser des données et des connaissances est dénoncée par les scientifiques .

=> Une réflexion conjointe du **GBIF** et de l'éditeur de revues **PENSOFT** a abouti à une proposition en 2011 :

Le Data Paper



Data Paper : avantages

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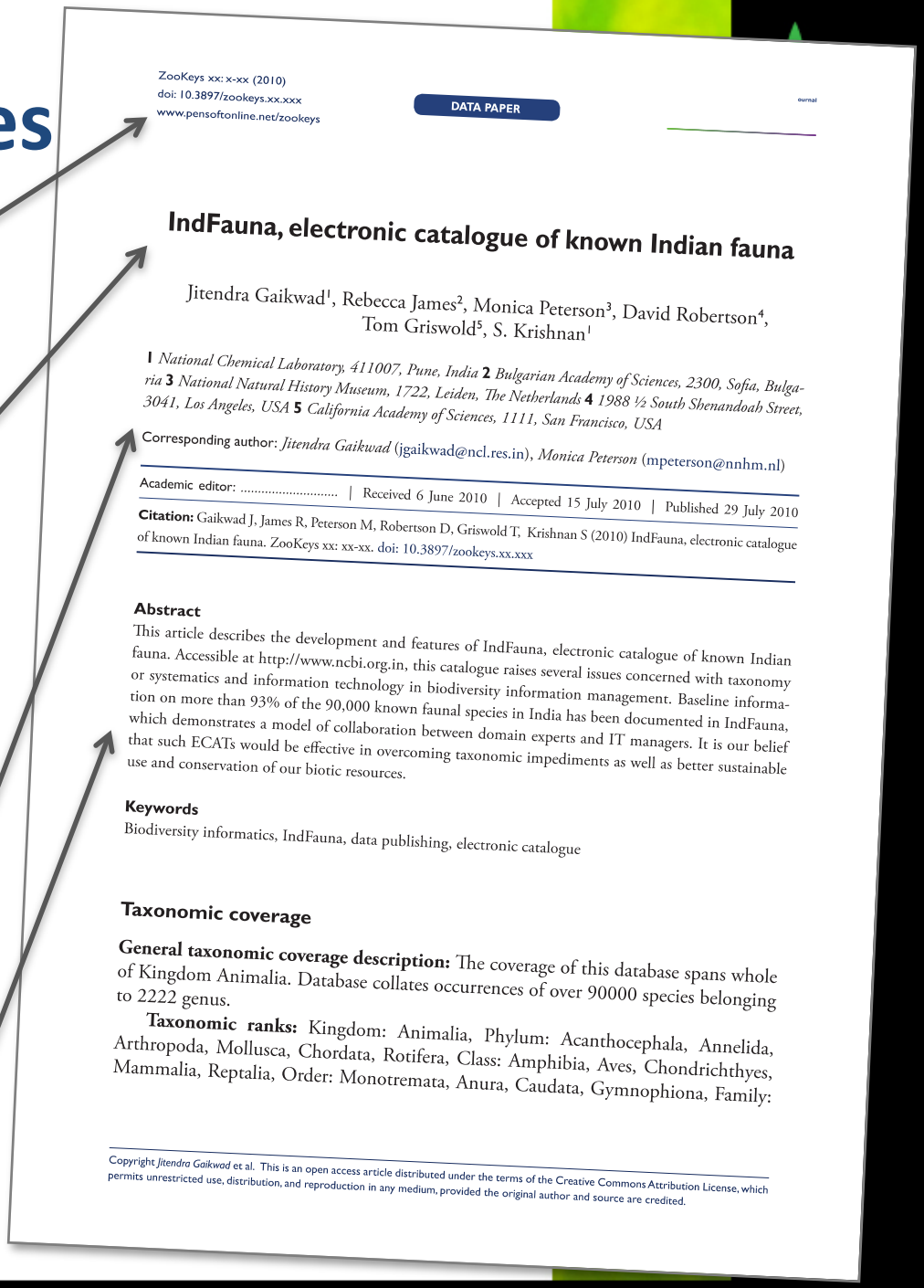
- Décrit les données sous forme structurée et lisible par un humain



ZooKeys xx: x-xx (2010)
doi: 10.3897/zookeys.xx.xxx
www.pensoftonline.net/zookeys

DATA PAPER

IndFauna, electronic catalogue of known Indian fauna

Jitendra Gaikwad[1], Rebecca James[2], Monica Peterson[3], David Robertson[4], Tom Griswold[5], S. Krishnan[1]

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Academic editor: ..... | Received 6 June 2010 | Accepted 15 July 2010 | Published 29 July 2010

Citation: Gaikwad J, James R, Peterson M, Robertson D, Griswold T, Krishnan S (2010) IndFauna, electronic catalogue of known Indian fauna. ZooKeys xx: xx-xx. doi: 10.3897/zookeys.xx.xxx

Abstract

This article describes the development and features of IndFauna, electronic catalogue of known Indian fauna. Accessible at http://www.ncbi.org.in, this catalogue raises several issues concerned with taxonomy or systematics and information technology in biodiversity information management. Baseline information on more than 93% of the 90,000 known faunal species in India has been documented in IndFauna, which demonstrates a model of collaboration between domain experts and IT managers. It is our belief that such ECATs would be effective in overcoming taxonomic impediments as well as better sustainable use and conservation of our biotic resources.

Keywords

Biodiversity informatics, IndFauna, data publishing, electronic catalogue

Taxonomic coverage

General taxonomic coverage description: The coverage of this database spans whole of Kingdom Animalia. Database collates occurrences of over 90000 species belonging to 2222 genus.

Taxonomic ranks: Kingdom: Animalia, Phylum: Acanthocephala, Annelida, Arthropoda, Mollusca, Chordata, Rotifera, Class: Amphibia, Aves, Chondrichthyes, Mammalia, Reptalia, Order: Monotremata, Anura, Caudata, Gymnophiona, Family:

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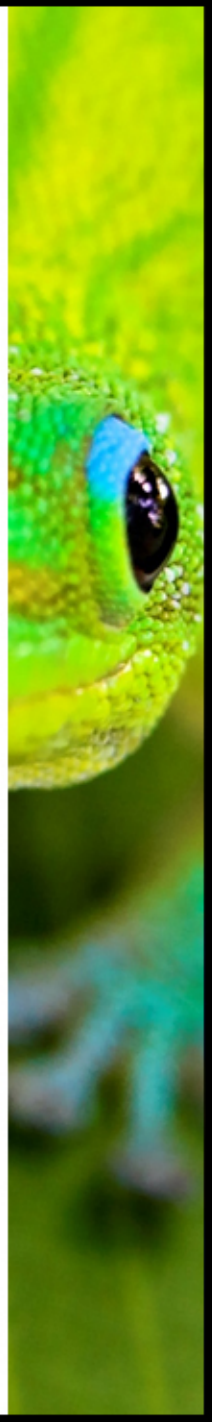
Récompenser la publication de données

Metadata document

Data Paper



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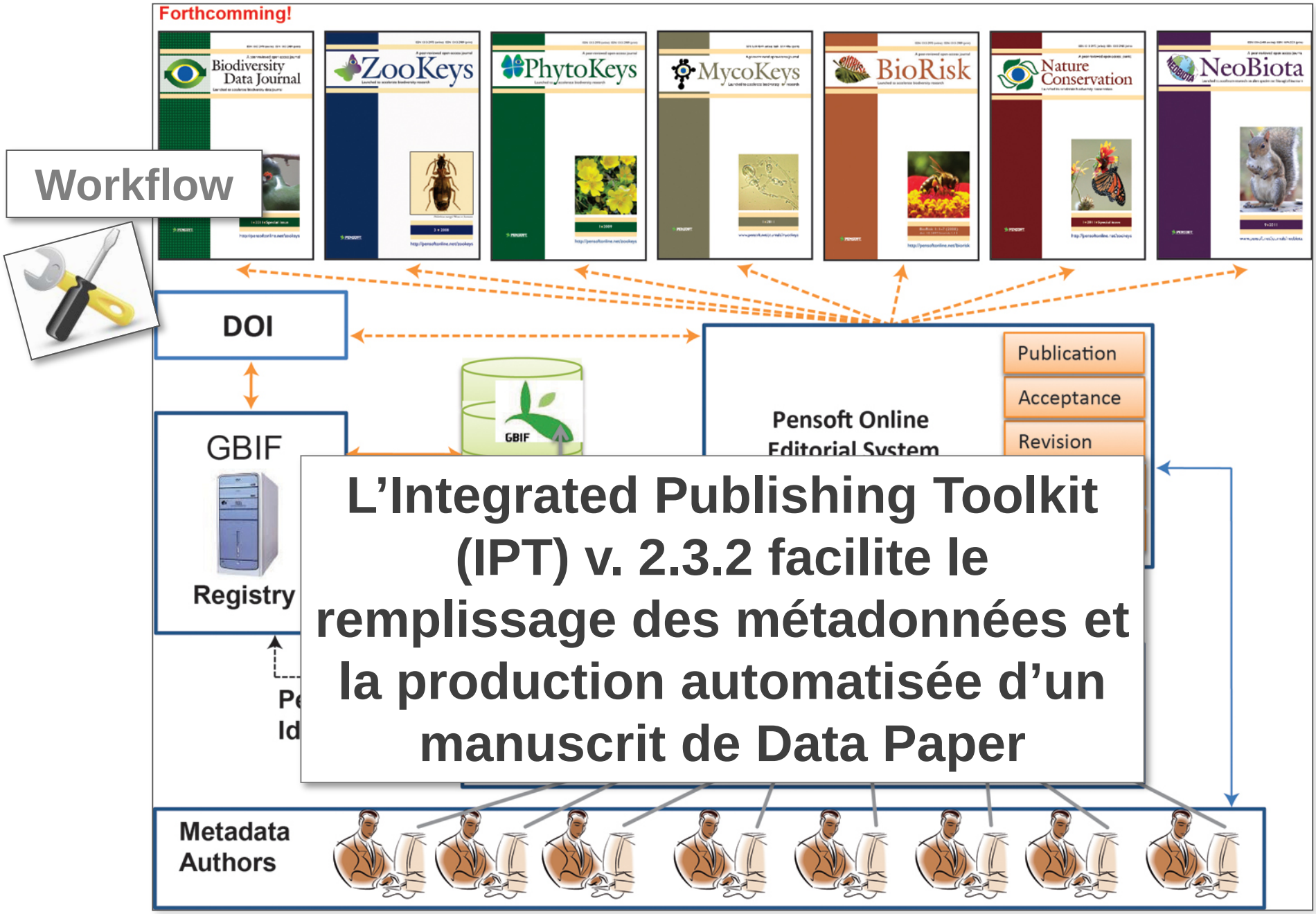

L'Integrated Publishing Toolkit (IPT) v. 2.3.2 facilite le remplissage des métadonnées et la production automatisée d'un manuscrit de Data Paper

Source: Chavan and Penev (in press). Data Paper: A mechanism to incentivise data publishing in biodiversity science. BMC Bioinformatics (special supplement), in press

Molluscan fauna of Gueishan Island of Taiwan

This dataset records the occurrence and inventory of molluscan fauna on Gueishan Island, the only active volcanic island in Taiwan, based on the literature survey and field investigation conducted between 2011 and 2012. The literature review involved seven studies published from 1934 to 2003, which collectively reported 112 species from 61 genera and 37 families of Mollusca on Gueishan Island. Through our field investigation, we identified 34 species from 28 genera and 23 families. Fourteen of these species were new records on Gueishan Island: Liolophura japonica, Lottia luchuana, Nerita costata, Nerita rumphii, Diplommatina suganikeiensis, Littoraria undulata, Solenomphala taiwanensis, Assiminea sp., Siphonaria laciniosa, Laevapex nipponica, Carychium hachijoensis, Succinea erythrophana, Zaptyx crassilamellata, and Allopeas pyrgula. In Total, there are 126 species from 71 genera and 45 families of Mollusca on Gueishan Island.

Summary	**Date Published**	Apr 25, 2013
	Version	7 (Latest)
	Darwin Core Archive	download (14 KB) 151 records
	EML	download (18 KB)
	RTF	download (17 KB)
	GBIF Registration	3586d3f4-5178-46aa-be2d-77036191e2ae
	Organisation	Taiwan Biodiversity Information Facility (TaiBIF)
	Endorsing Node	Chinese Taipei
Keywords	Mollusca; Gastropoda; Bivalvia; Cephalopoda; Polyplacophora; Taiwan; Gueishan Island	
Language	**Metadata Language**	English
	Resource Language	English
Resource Contact	**Name**	Wen-Lung Wu
	Position	Research Fellow
	Organisation	Biodiversity Research Center, Academia Sinica
	Address	128 Academia Road Sec. 2, Nankang, Taipei, Outside USA, CHINESE TAIPEI, Postal Code: 11529
	Contact	malacolg@gate.sinica.edu.tw Telephone: 886227899547
	Home Page	http://shell.sinica.edu.tw/
Resource Creator	**Name**	Chih-Wei Huang
	Position	Ph.D. candidate
	Organisation	Biodiversity Research Center, Academia Sinica
	Address	128 Academia Road Sec. 2, Nankang, Taipei, Outside USA, CHINESE TAIPEI, Postal Code: 11529
	Contact	limnoperna@gmail.com Telephone: 886227899547
	Home Page	https://www.facebook.com/eco.evo
Metadata Provider	**Name**	Ta-Wei Hsiung

Summary
Downloads
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Geographic Coverage
Additional Metadata

inventaire_flore_bzm

Latest version published by Ecole doctorale de biodiversité et Environnements Tropicaux de l'université de Toliara on Jun 17, 2015

Inventaire floristique réalisé à Beza Mahafaly (Madagascar)

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A peer-reviewed open-access journal

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Acanthocephala (1)
Nemata (15)
Mollusca (54)
Annelida (23)
Tardigrada (0)
Arthropoda (1179)
Echinodermata (6)
Pisces (16)
Amphibia (14)
Reptilia (24)
Aves (4)
Mammalia (8)

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Europe | Americas | None
Asia | Pacific
Australasia | Polar

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- BioRisk
- Comparative Cytogenetics
- International Journal of Myriapodology
- Journal of Hymenoptera Research
- MycoKeys
- Nature Conservation
- NeoBiota

ZooKeys 261 (2013) : 1-13

Molluscan fauna of Gueishan Island, Taiwan

Chih-Wei Huang, Ta-Wei Hsiung, Si-Min Lin, Wen-Lung Wu

doi: 10.3897/zookeys.261.4197
Published: 24.01.2013

Viewed by: 2059

Abstract

This dataset records the occurrence and inventory of molluscan fauna on Gueishan Island, the only active volcanic island in Taiwan, based on the literature survey and field investigation conducted between 2011 and 2012. The literature review involved seven studies published from 1934 to 2003, which collectively reported 112 species from 61 genera and 37 families of Mollusca on Gueishan Island. Through our field investigation, we identified 34 species from 28 genera and 23 families. Fourteen of these species were new records on Gueishan Island: *Liolophura japonica*, *Lottia luchuana*, *Nerita costata*, *Nerita rumphii*, *Diplommatina suganikeiensis*, *Littoraria undulata*, *Solenomphala taiwanensis*, *Assiminea* sp., *Siphonaria laciniosa*, *Laevapex nipponica*, *Carychium hachijoensis*, *Succinea erythrophana*, *Zaptyx crassilamellata*, and *Allopeas pyrgula*. In Total, there are 126 species from 71 genera and 45 families of Mollusca on Gueishan Island. These data have been published through GBIF [http://taibif.org.tw/ipt/resource.do?r=gueishan_island] and integrated into the Taiwan Malacofauna Database (http://shell.sinica.edu.tw/).

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Taxa

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- Polyplacophora: 5 article(s) 1 book(s)
- Gastropoda: 45 article(s) 18 book(s) 1 e-book(s)
- Bivalvia: 15 article(s) 5 book(s)
- Cephalopoda: 3 article(s) 5 book(s)

Geographical coverage

- Taiwan: 35 article(s) 4 book(s) 1 e-book(s)

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Molluscan fauna of Gueishan Island o…

Occurrence dataset published by Taiwan Biodiversity Information Facility (TaiBIF)

151
Occurrences
View occurrences

Information Stats Activity

Summary

FULL TITLE

Molluscan fauna of Gueishan Island of Taiwan

DESCRIPTION

This dataset records the occurrence and inventory of molluscan fauna on Gueishan Island, the only active volcanic island in Taiwan, based on the literature survey and field investigation conducted between 2011 and 2012. The literature review involved seven studies published from 1934 to 2003, which collectively reported 112 species from 61 genera and 37 families of Mollusca on Gueishan Island. Through our field investigation, we identified 34 species from 28 genera and 23 families. Fourteen of these species were new records on Gueishan Island: Liolophura japonica, Lottia luchuana, Nerita costata, Nerita rumphii, Diplommatina suganikeiensis, Littoraria undulata, Solenomphala taiwanensis, Assiminea sp., Siphonaria laciniosa, Laevapex nipponica, Carychium hachijoensis, Succinea erythrophana, Zaptyx crassilamellata, and Allopeas pyrgula. In Total, there are 126 species from 71 genera and 45 families of Mollusca on Gueishan Island.

TEMPORAL COVERAGES

LANGUAGE OF DATA

ADMINISTRATIVE CONTACT
Wen-Lung Wu

METADATA AUTHOR
Ta-Wei Hsiung

ORIGINATOR
Chih-Wei Huang

臺灣貝類資料庫
The Taiwan Malacofauna Database

PUBLISHED BY

Taiwan Biodiversity Information Facility (TaiBIF)

PUBLICATION DATE

Apr 25, 2013

REGISTRATION DATE

Jan 23, 2013

SERVED BY

TaiBIF IPT

ALTERNATIVE IDENTIFIERS

- GBIF Portal ID
  14681

EXTERNAL DATA

- Darwin Core Archive

METADATA DOCUMENTS

- Original document (EML)
- Cached copy (EML)

ADMINISTRATIVE CONTACT
Wen-Lung Wu

METADATA AUTHOR
Ta-Wei Hsiung

ORIGINATOR
Chih-Wei Huang

EXTERNAL DATA

- Darwin Core Archive

METADATA DOCUMENTS

- Original document (EML)
- Cached copy (EML)
- GBIF annotated version (EML)

Taxonomic Coverage

The coverage of this dataset includes 126 species from 71 genera and 45 families of Mollusks of marine, freshwater and terrestrial environments on Gueishan Island. It includes Class Gastropoda (88.10%), Class Bivalvia (8.73%), Class Cephalopoda (1.59%), and Class Polyplacophora (1.59%). The top five representative families are Cypraeidae (20 species, 15.87%), Trochidae (13 species, 10.32%), Muricidae (11 species, 8.73%), Neritidae (8 species, 6.35%), and Littorinidae (5 species, 3.97%)

PHYLUM	Mollusca
CLASS	Gastropoda (snail), Bivalvia (bivalves), Cephalopoda, Polyplacophora

55 Georeferenced

Molluscan fauna of Gueishan Island, Taiwan

show all

STUDY AREA DESCRIPTION

Gueishan Island is located about 10 km from Taiwan. The island was formed via volcanic activity about 1.65 Ma ago and experienced multiple volcanic eruption events until 20 ka ago (Juang et al. 2011). It is considered the only active volcanic island near Taiwan. The land area of the island is about 2.85 km2, and the highest peak of the island is 398 meters above sea level. There are two lakes on the island, one of which consist of brackish water (Head Lake) and the other of freshwater (Tail Lake). Humans colonized Gueishan Island in mid-19th century, by forming a small village. Later in 1977, all residents were moved back to Taiwan due to military requirements for the island. The fauna of this island were not investigated systematically until 2000, when the island came under the management of the Northeast and Yilan Coast National Scenic Area Administration, Tourism Bureau, MOTC and was open to tourists.

DESIGN DESCRIPTION

Island species are vulnerable to extinction due to their relatively small population size and limited access to resources. The number of species on an island represents a dynamic equilibrium between immigration and extinction. Volcanic islands provide particularly interesting cases of island biogeography, in that their biota is erased by volcanic activity and recolonized from neighboring regions. Species on Gueishan Island may have under gone several cycles of extinction after volcanic eruption, followed by recolonization from Taiwan when the sea-level dropped during glacial periods. Human activity may also have provided opportunities for colonization by mollusks, either intentionally or accidentally. Investigations of molluscan fauna have been previously conducted on Gueishan Island, but these did not involve a comprehensive examination of land snails. We performed a literature survey using diverse databases, in order to collect previously identified reports on molluscan fauna of Gueishan Island. In addition, we performed field sampling of mollusks in marine, freshwater and terrestrial environments during 2011 and 2012 to establish the inventory of molluscan fauna of Gueishan Island. We considered both the topography of the island and the habitats of mollusks during our field investigation. We focused on the terrestrial environment, as the majority of the earlier investigations examined non-terrestrial habitats. In total, our literature survey and field investigation identified 126 species from 71 genera and 45 families of Mollusca on Gueishan Island. This dataset provides basic information on the island's biodiversity.

FUNDING

Academia Sinica; National Science Council, Executive Yuan, R.O.C.(Taiwan); Taiwan Forest Bureau, Council of Agriculture, Executive Yuan, R.O.C.(Taiwan).

PROJECT PERSONNEL

PRINCIPAL INVESTIGATOR

Wen-Lung Wu

further confirmed by Yen-Chen Lee, Mollusca specialist and postdoctoral researcher in the Biodiversity Research Center, Academia Sinica. Fourteen new recorded species were found to be native to Taiwan but previously unreported on Gueishan Island. The scientific names of all mollusks were checked against the Taiwan Malacofauna Database (http://shell.sinica.edu.tw/) and World Register of Marine Species (http://www.marinespecies.org/).

METHOD STEPS

1. Species identification were based on Pace (1973), Lai (1990, 1998), Lee and Chen (2003), Wu and Lee (2005), and Hsieh et al. (2006).

References

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Hsieh BC, Hwang CC, Wu SP (2006) Landsnails of Taiwan. Taiwan Forestry Bureau, Council of Agriculture, Executive Yuan

ZooKeys 261: 1–13 (2013)
doi: 10.3897/zookeys.261.4197
www.zookeys.org

DATA PAPER

A peer-reviewed open-access journal
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Molluscan fauna of Gueishan Island, Taiwan

Chih-Wei Huang[1,2], Ta-Wei Hsiung[2], Si-Min Lin[1], Wen-Lung Wu[2]

1 *Department of Life Science, National Taiwan Normal University, No. 88, Sec. 4, Tingzhou Rd., Wenshan Dist., 11677, Taipei, TAIWAN, R.O.C.* **2** *Biodiversity Research Center, Academia Sinica, No. 128 Academia Road Sec. 2, Nankang Dist., 11529, Taipei, TAIWAN, R.O.C.*

Corresponding author: *Wen-Lung Wu* (malacolg@gate.sinica.edu.tw)

Academic editor: *V. Chavan* | Received 26 October 2012 | Accepted 14 January 2013 | Published 24 January 2013

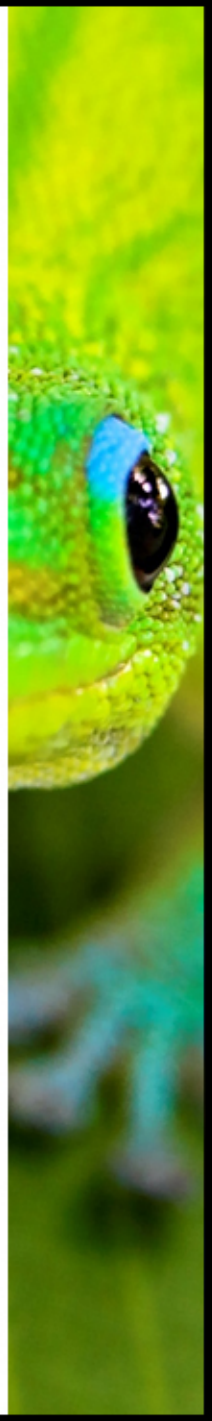
Citation: Huang C-W, Hsiung T-W, Lin S-M, Wu W-L (2013) Molluscan fauna of Gueishan Island, Taiwan. ZooKeys 261: 1–13. doi: 10.3897/zookeys.261.4197

Abstract

This dataset records the occurrence and inventory of molluscan fauna on Gueishan Island, the only active volcanic island in Taiwan, based on the literature survey and field investigation conducted between 2011 and 2012. The literature review involved seven studies published from 1934 to 2003, which collectively reported 112 species from 61 genera and 37 families of Mollusca on Gueishan Island. Through our field investigation, we identified 34 species from 28 genera and 23 families. Fourteen of these species were new records on Gueishan Island: *Liolophura japonica*, *Lottia luchuana*, *Nerita costata*, *Nerita rumphii*, *Diplommatina suganikeiensis*, *Littoraria undulata*, *Solenomphala taiwanensis*, *Assiminea* sp., *Siphonaria laciniosa*, *Laevapex nipponica*, *Carychium hachijoensis*, *Succinea erythrophana*, *Zaptyx crassilamellata*, and *Allopeas pyrgula*. In Total, there are 126 species from 71 genera and 45 families of Mollusca on Gueishan Island. These data have been published through GBIF [http://taibif.org.tw/ipt/resource.do?r=gueishan_island] and integrated into the Taiwan Malacofauna Database (http://shell.sinica.edu.tw/).

Keywords

Mollusca, Gastropoda, Bivalvia, Cephalopoda, Polyplacophora, Taiwan, Gueishan Island



GBIF
www.gbif.org

ZooKeys 489: 15–24 (2015)
doi: 10.3897/zookeys.489.9292
http://zookeys.pensoft.net

DATA PAPER

The Jean Gutierrez spider mit

Alain Migeon[1]

1 *INRA, UMR 1062 CBGP, F-34988 Montferrier-sur-Lez, France*

Corresponding author: *Alain Migeon* (alain.migeon@supagro.inra.fr)

Academic editor: *V. Pesic* | Received 28 January 2015 | Accepted 10 Ma

http://zoobank.org/0719C382-988D-4DCC-8B24-00E

Citation: Migeon A (2015) The Jean Gutierrez spider mite collection. ZooKeys 489: 15

Abstract

The family Tetranychidae (spider mites) currently comprises 1,275 species important agricultural pest families among the Acari with approximately which considered major pests. The dataset presented in this document i mites composing the Jean Gutierrez Collection hosted at the CBGP (Mo ered from 1963 to 1999 during his career at the Institut de Recherche po consists of 5,262 specimens corresponding to 1,564 occurrences (combi location) of 175 species. Most specimens were collected in Madagascar a Indian Ocean, New Caledonia and other islands of the South Pacific and P today the most important one available on Tetranychidae worldwide.

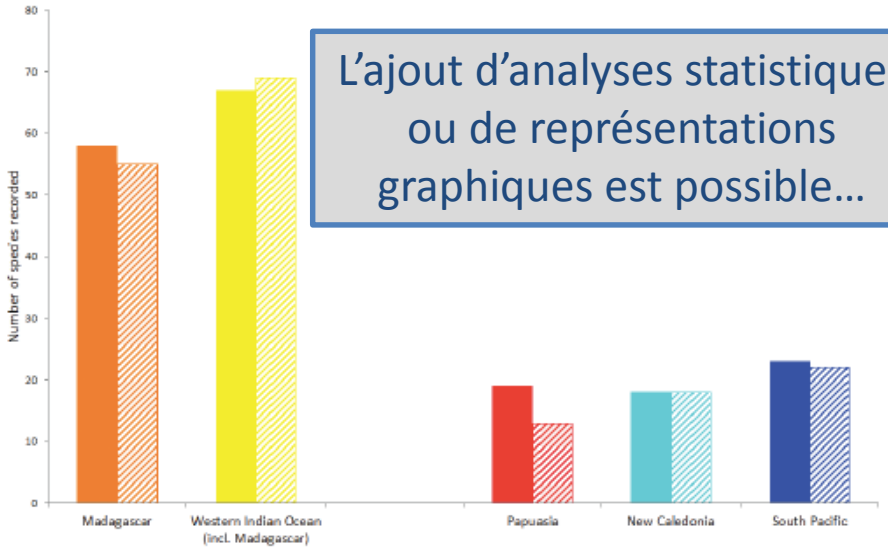
Keywords

Acari, Tetranychidae, World, Madagascar, Western Indian Ocean, New Ca

Data published through GBIF

http://www.gbif.org/dataset/ac60a288-fcc9-43fe-a7d4-e732b748a981

Figure 1. World map representing all the locations mentioned in the dataset. Areas of particular interest are represented with the same colour (● Madagascar, ● Western Indian Ocean, ● Papuasia, ● New Caledonia, ● South Pacific). Grey spots gather all the other locations.



L'ajout d'analyses statistiques ou de représentations graphiques est possible…

Figure 2. Number of species recorded in Jean Gutierrez collection dataset (solid bar) and in the literature (dashed bar) compiled in Spider Mites Web (http://www1.montpellier.inra.fr/CBGP/spmweb/) for the areas of particular interest. Colour scheme same as in Figure 1.

http://www.gbif.org/dataset/ac60a288-fcc9-43fe-a7d4-e732b748a981

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Spider Mites Collection of Jean Gutie…

Occurrence dataset published by CBGP (UMR INRA, Cirad, IRD, Montpellier SupAgro)

5 262
Occurrences
View occurrences

Information Stats Activity

Summary

FULL TITLE

Spider Mites Collection of Jean Gutierrez

DESCRIPTION

The spider mites collection (Acari : Tetranychidae) has been set up by Jean Gutierrez, acarologist in IRD (French Institute of Research for Development) from 1960 to 2000 and is actually deposited in CBGP (CBGP – INRA, Campus International de Baillarguet, Avenue du Campus Agropolis, CS 30016, 34988 MONTFERRIER-sur-LEZ Cedex, France), an INRA (French National Institute for Agricultural Research) laboratory in Montpellier. The actual curator is Alain Migeon (Alain.Migeon@supagro.inra.fr). The 5262 slides represent 1564 occurrences (species/date/host plant/location) mainly from Western Europe, Madagascar, Mascarens Islands, New Caledonia and Pacific Islands.

LANGUAGE OF METADATA

ENGLISH

LANGUAGE OF DATA

FRENCH

DOI doi:10.15468/y3gua7

PUBLISHED BY

CBGP (UMR INRA, Cirad, IRD, Montpellier SupAgro)

PUBLICATION DATE

27 juin 2014

REGISTRATION DATE

11 févr. 2014

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Biodiversity Data Journal 2: e4244
doi: 10.3897/BDJ.2.e4244

Data Paper

An occurence records database of harvestmen (Arachnida, Opiliones

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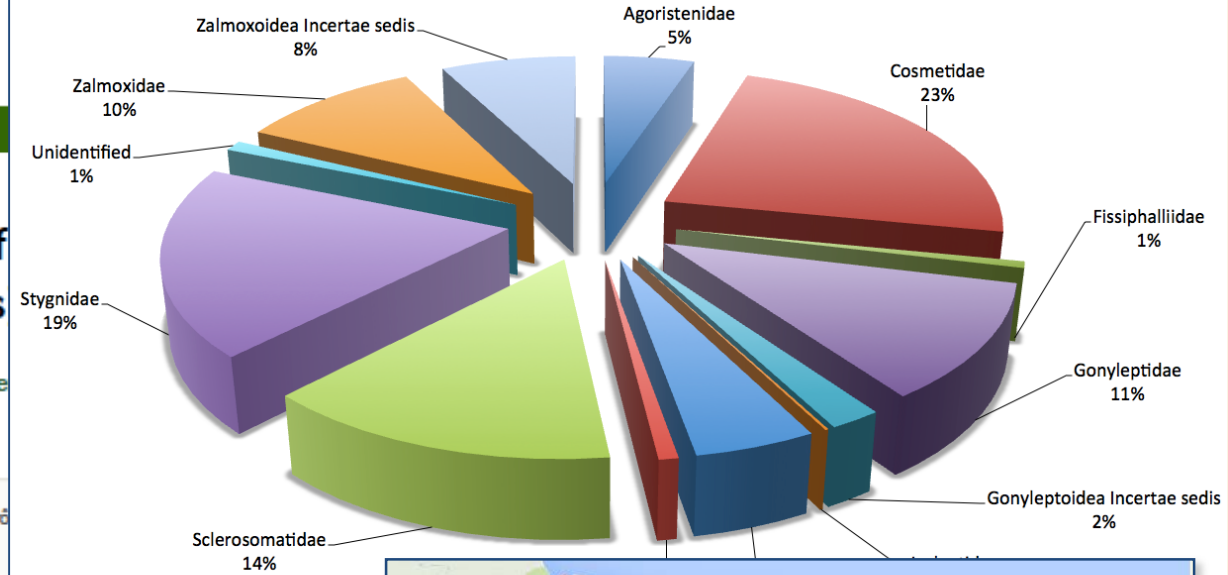
Academic editor: Adriano Kury

Received: 13 Nov 2014 | Accepted: 21 Dec 2014 | Published: 25 Dec 2014

Citation: Cally S, Solbès P, Grosso B, Murienne J (2014) An occurence records database of French Guiana harvestmen (Arachnida, Opiliones). Biodiversity Data Journal 2: e4244. doi: 10.3897/BDJ.2.e4244



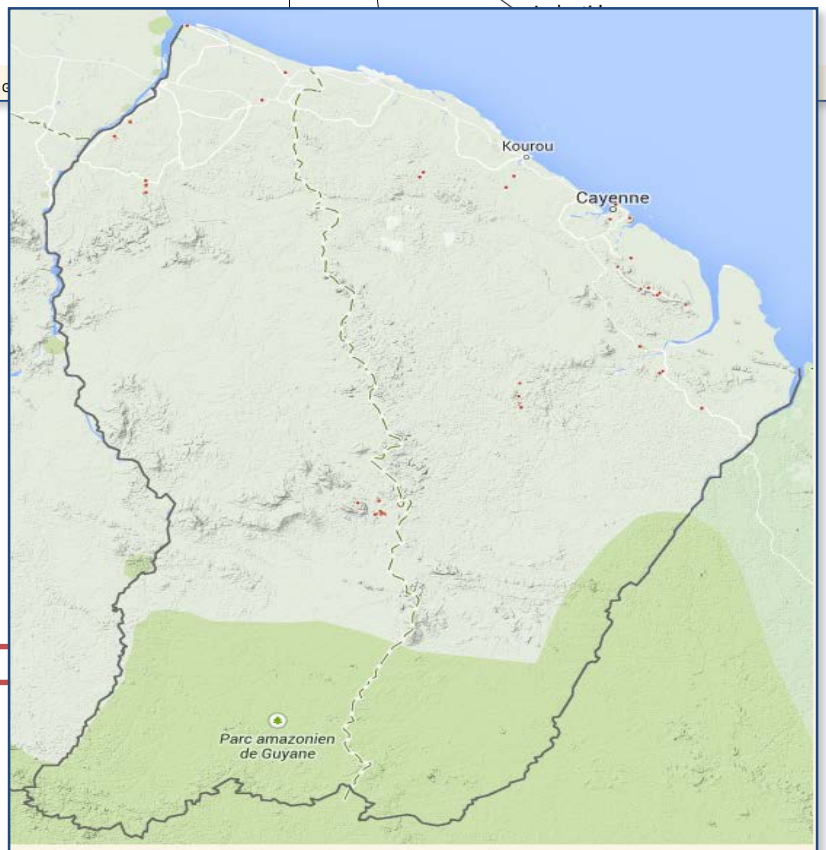
Taxonomic coverage at the family level of the "Harvestmen of French G

Abstract

This dataset provides information on specimens of harvestmen (Arthropoda, Arachnida, Opiliones) collected in French Guiana. Field collections have been initiated in 2012 within the framework of the CEnter for the Study of Biodiversity in Amazonia (CEBA: www.labex-ceba.fr/en/). This dataset is a work in progress. Occurrences are recorded in an online database stored at the EDB laboratory after each collecting trip and the dataset is updated on a monthly basis. Voucher specimens and associated DNA are also stored at the EDB laboratory until deposition in natural history Museums. The latest version of the dataset is publicly and freely accessible through our Integrated Publication Toolkit at http://130.120.204.55:8080/ipt/resource.do?r=harvestmen_of_french_guiana or through the Global Biodiversity Information Facility data portal at http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eefd9432c.

Keywords

Occurrence, French Guiana, Neotropics, Opiliones.



Geographical coverage of the dataset and collecting localities as of 2014.

http://130.120.204.55:8080/ipt/resource.do?r=harvestmen_of_french_guiana

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Summary	**Date Published**	May 20, 2015
	Version	23 (Latest)
	Update Frequency	Monthly *(Next publication: Jun 19, 2015)*
	Darwin Core Archive	download (47 KB) 1474 records
	EML	download (24 KB)
	RTF	download (23 KB)
	GBIF Registration	3c9e2297-bf20-4827-928e-7c7eefd9432c
	Organisation	Laboratoire EDB "Evolution et Diversité Biologique"
	Endorsing Node	GBIF France
Keywords	Occurrence; French Guiana; Neotropics; Opiliones	
Language	**Metadata Language**	English
	Resource Language	English
External Links	**Resource Homepage**	http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eefd9432c
Resource Contact	**Name**	Sébastien Cally
	Position	Engineer

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1 476
Occurrences
View occurrences

Information Stats Activity

Summary

FULL TITLE

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DESCRIPTION

This dataset provides information on specimens of harvestmen (Arthropoda, Arachnida, Opiliones) collected in French Guiana. Field collections have been initiated in 2012 within the framework of the CEnter for the Study of Biodiversity in Amazonia (CEBA: www.labex-ceba.fr/en/). This dataset is a work in progress. Occurrences are recorded in an online database stored at the EDB laboratory after each collecting trip and the dataset is updated on a monthly basis. Voucher specimens and associated DNA are also stored at the EDB laboratory until deposition in natural history Museums. The latest version of the dataset is publicly and freely accessible through our Integrated Publication Toolkit at http://130.120.204.55:8080/ipt/resource.do?r=harvestmen_of_french_guiana or through the Global Biodiversity Information Facility data portal at http://www.gbif.org/dataset/3c9e2297-bf20-4827-928e-7c7eefd9432c.

DOI doi:10.15468/4nkd22

PUBLISHED BY

Laboratoire EDB "Evolution et Diversité Biologique"

PUBLICATION DATE

20 mai 2015

REGISTRATION DATE

2 oct. 2014

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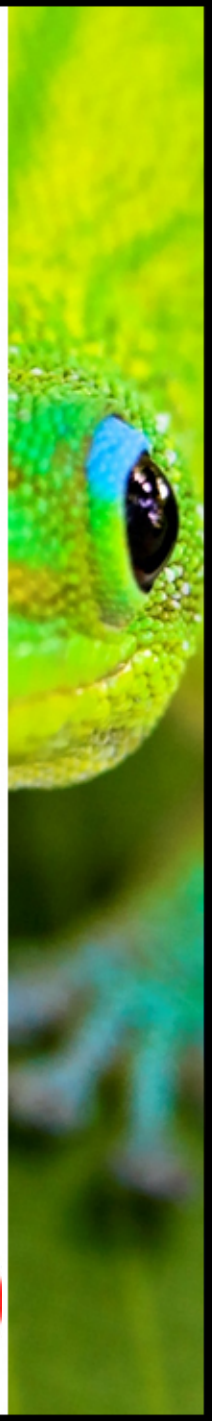

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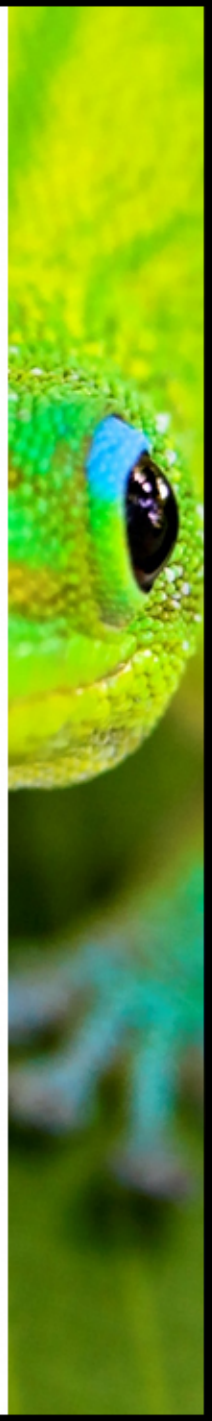
- PenSoft’s IPT based data Hosting Center

  http://ipt.pensoft.net/ipt

- PenSoft Data Publishing Policies and Guidelines for Biodiversity Data

http://www.pensoft.net/J_FILES/Pensoft_Data_Publishing_Policies_and_Guidelines.pdf



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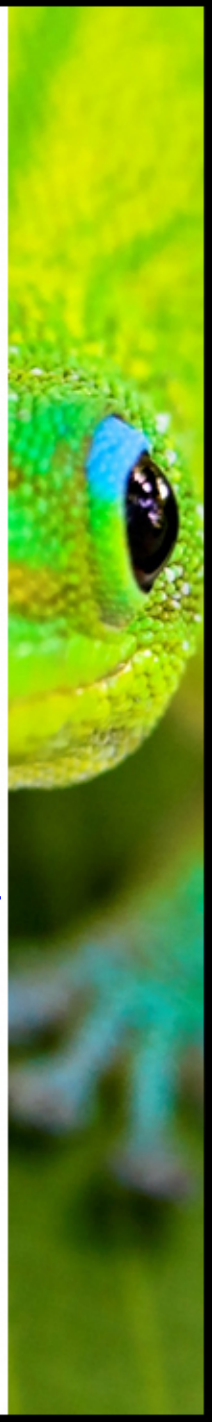
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