

MODELOS DE PUBLICACIÓN Y ARTÍCULOS DE DATOS

















PUBLICACIÓN DE DATOS EN LA ERA DIGITAL



Datos disponibles en internet para su descarga, uso y citación

- Citaciones y créditos
- ♦ Formatos y estándares e interoperabilidad
- ♦ Documentación metadatos
- ♦ Almacenamiento de datos a largo plazo (repositorios)
- ♦ Incentivos para la publicación

COMPONENTES INVOLUCRADOS EN EL MODELO DE PUBLICACIÓN DATOS









IPT



Integrated Publishing Toolkit

Herramienta web de código abierto para la publicación de información sobre biodiversidad:

- Listas de chequeo taxonómicas
- Datos primarios de biodiversidad
- Catálogos taxonómicos
- Metadatos asociados

EJEMPLO IPT

login 🕌





Home

About

Hosted resources available through this IPT

The most recently updated resources are also available as an RSS feed. .

Public resources available through this IPT installation.

Logo	Name	<u>Organisation</u>	<u>Type</u>	Subtype	Records	<u>modified</u>	<u>publication</u>
6	Erik Acharius lichen collection	Finnish Museum of Natural History	Checklist	specimen	5,330	2012-04-02	2012-04-02
	Lepidoptera collection of Robert von Bonsdorff	Not registered	Occurrence	Specimen	0	2012-04-24	2012-04-24
6	Phylogeny of Corynoptera Winnertz and related genera, with the description of Claustropyga gen. nov. (Diptera, Sciaridae)	Finnish Museum of Natural History	Checklist	specimen	106	2012-04-02	2012-04-02
District	Database on Forest Disturbances in Europe	European Forest Institute	Checklist	observation	6,628	2012-04-02	2012-04-02
6	The genus Dichopygina gen. n. (Diptera; Sciaridae)	Finnish Museum of Natural History	Checklist	specimen	66	2012-04-02	2012-04-02
9	Ascomycetes of Russian Fennoscandia	Finnish Museum of Natural History	Checklist	specimen	586	2012-04-02	2012-04-02
9	Marchantiophyta / Hepatics / Liverworts of Russian Fennoscandia	Finnish Museum of Natural History	Checklist	specimen	3,747	2012-04-02	2012-04-02
9	Lichens from Russian Fennoscandia	Finnish Museum of Natural History	Checklist	specimen	2,379	2012-04-02	2012-04-02
9	Hymenoptera collection of the Finnish Museum of Natural History	Finnish Museum of Natural History	Checklist	specimen	95,055	2012-04-02	2012-04-02
Unancia a pri fi con di nel Trime i mel mello	Fungi collection of the University of Eastern Finland	University of Eastern Finland	Occurrence	specimen	27,753	2012-04-02	2012-04-02
Unancia a prima per di	Myxomycetes collection of the University of Eastern Finland	University of Eastern Finland	Checklist	specimen	320	2012-04-02	2012-04-02
9	Coleoptera types of John Sahlberg	Finnish Museum of Natural History	Occurrence	specimen	926	2012-04-02	2012-04-02
*	Kieppi bird collection	Kokkola Nature Collection Kieppi	Checklist	specimen	536	2012-04-02	2012-04-02
*	Kieppi mammals collection	Kokkola Nature Collection Kieppi	Occurrence	specimen	127	2012-04-16	2012-04-16
Mary 1	Lepidoptera collection of NW Europe	Kuopio Natural History Museum	Checklist	specimen	3,641	2012-04-02	2012-04-02
9	Crustacea collection of the Finnish Museum of Natural History	Finnish Museum of Natural History	Checklist	specimen	3,324	2012-04-02	2012-04-02
6	William Nylander lichen collection	Finnish Museum of Natural History	Checklist	specimen	2,150	2012-04-02	2012-04-02

IPT: Finish Museum of Natural History

URL: http://db.digitarium.fi:8080/ipt/

Entidad	Recursos		
Finnish Museum of Natural History	10		
University of Eastern Finland	2		
Kokkola Nature Collection Kieppi	2		
European Forest Institute	I		
Kuopio Natural History Museum	1		

http://ipt.sibcolombia.net/sib/

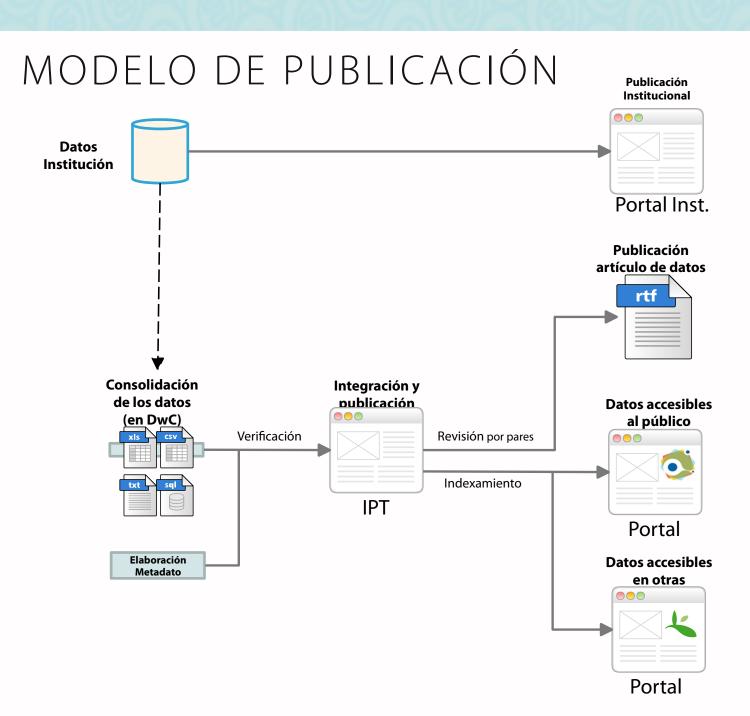
GMP



Perfil de metadatos de GBIF

Describe el "quién, qué, dónde, cómo, cuándo y dónde" del conjunto de datos

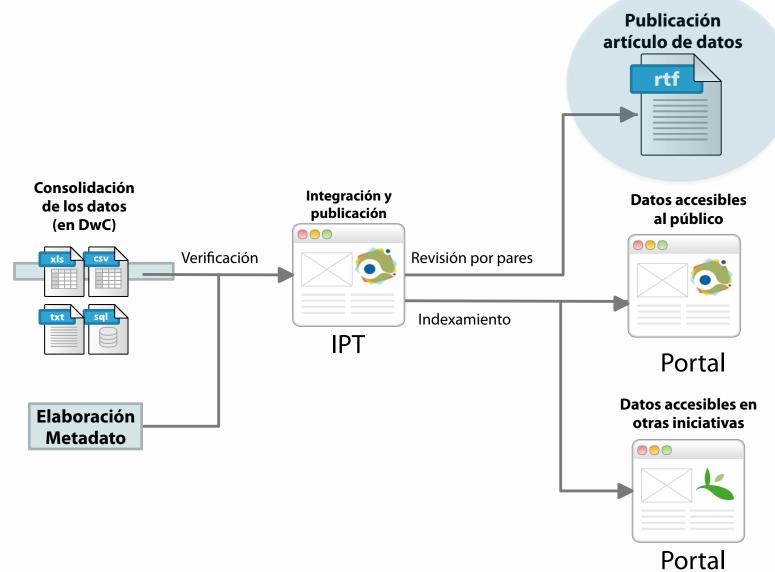
- Estructurado en secciones que organizan de forma lógica la info.
- Elementos mínimos requeridos
- Puede ser documentado con varias herramientas





MODELO DE PUBLICACIÓN





¿QUÉ ES UN ARTÍCULO DE DATOS?



Publicación formal de un conjunto de datos circunscrito

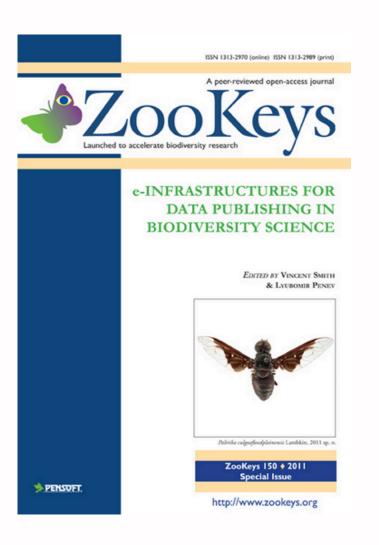
++ otro tipo de info. relevante:

- Historia
- Valor y utilidad
- Estadísticas descriptivas

Utilizado en otras disciplinas

CARACTERÍSTICAS DE LOS ARTÍCULOS DE DATOS





- Estructura del manuscrito basado en el GMP
- Se puede generar a partir del IPT
- Siempre vinculado al conjunto de datos!
- Con enlace a un repositorio web duradero y confiable

PROPÓSITO DE LOS ARTÍCULOS DE DATOS



- Describir un conjunto de datos de forma estructurada
- Hacer evidente la existencia de los datos para llamar la atención de la comunidad científica
- Proveer una publicación citable que le aporte "puntaje" al publicador



RESEARCH Open Access



The data paper: a mechanism to incentivize data publishing in biodiversity science

Vishwas Chavan^{1,2*†}, Lyubomir Penev^{1,2†}

LOS ARTÍCULOS DE DATOS COMO MECANISMO DE INCENTIVO PARA LA PUBLICACIÓN INCREMENTARÁN EL ACCESO A LA INFORMACIÓN 1a SOBRE BIODIVERSIDAD CON LA CITACIÓN CORRESPONDIENTE

ESTRUCTURA DEL ARTÍCULO



- Resumen
- Palabras clave
- Detalles del proyecto
- 。 Cobertura taxonómica
- Cobertura espacial
- 。 Métodos
- Descripción del conjunto de datos
- Otros (apéndices, gráficas, tablas etc.)

。 Referencias

Data resources

The data underpinning the analyses reported in this paper are deposited at GBIF, the Global Biodiversity Information Facility, http://ipt.biodiversity.ag/resource.do?r=andeep3_asteroidea.

Occurrence data

Data provider: Scientific Committee on Antarctic Research - Marine Biodiversity Information Network (SCAR-MarBIN)

Data provider key in GBIF portal: 254

Data provider page in GBIF portal: http://data.gbif.org/datasets/provider/254

Web service request for metadata for data provider: http://data.gbif.org/ws/rest/provider/get/254

Dataset: ANDEEP3: SeaStars (Echinodermata, Asteroidea)

rights: No information

citation: Danis B, Wilmes J, Jangoux M, 2008. Sea stars from the ANDEEP 3 expedition. Contribution to the SCAR-Marine Biodiversity Information Network.

Dataset key in GBIF portal: 7928

Dataset page in GBIF portal: http://data.gbif.org/datasets/resource/7928

Web service request for metadata for dataset: http://data.gbif.org/ws/rest/resource/get/7928

Web service request for occurrences from dataset: http://data.gbif.org/ws/rest/occurrence/list?dataresourcekey=7928

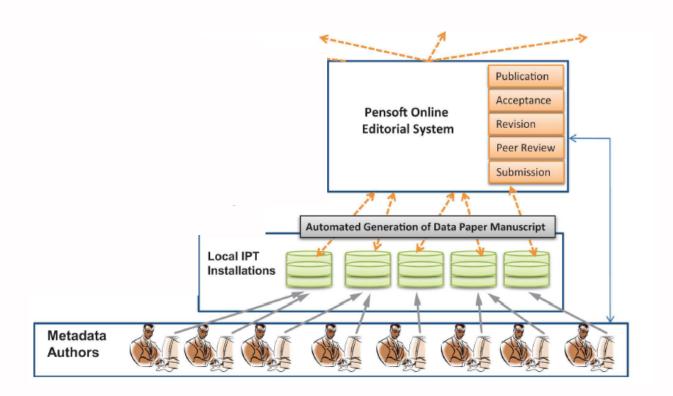
Occurrence overview

Key	Catalogue number	Scientific name	Latitude	Longitude	Date	Portal URL
177394863	andeep3_seastars_3	Freyella sp.	-70.6513	-14.722700119019	2005-02-22	http://data.gbif.org/occurrences/177394863
177394852	andeep3_seastars_2	Eremicaster pacificus	-71.16	-14.021200180054	2005-08-22	http://data.gbif.org/occurrences/177394852
177394861	andeep3_seastars_28	Bathybiaster loripes	-63.3255	-64.613098144531	2005-03-29	http://data.gbif.org/occurrences/177394861
177394869	andeep3_seastars_35	Hyphalaster inermis	-62.5302	-64.638603210449	2005-03-30	http://data.gbif.org/occurrences/177394869
177394879	andeep3_seastars_44	Cheiraster planeta	-61.7585	-47.124801635742	2005-03-20	http://data.gbif.org/occurrences/177394879
177394872	andeep3_seastars_38	Pteraster hirsutus	-63.6957	-50.716499328613	2005-03-14	http://data.gbif.org/occurrences/177394872
177394870	andeep3_seastars_36	Lophaster stellans	-62.5302	-64.638603210449	2005-03-30	http://data.gbif.org/occurrences/177394870
177394877	andeep3_seastars_42	Pteraster hirsutus	-62.1755	-49.494800567627	2005-03-18	http://data.gbif.org/occurrences/177394877
177394878	andeep3_seastars_43	Psalidaster mordax	-62.1755	-49.494800567627	2005-03-18	http://data.gbif.org/occurrences/177394878
177394844	andeep3_seastars_12	Bathybiaster loripes	-69.4024	-5.3066000938416	2005-02-10	http://data.gbif.org/occurrences/177394844
177394865	andeep3_seastars_31	Eremicaster pacificus	-63.3255	-64.613098144531	2005-03-29	http://data.gbif.org/occurrences/177394865
177394886	andeep3_seastars_6	Notasterias pedicellaris	-71.16	-14.021200180054	2005-02-22	http://data.gbif.org/occurrences/177394886
177394868	andeep3_seastars_34	Hymenaster pellucidus	-63.3255	-64.613098144531	2005-03-29	http://data.gbif.org/occurrences/177394868
177394888	andeep3_seastars_8	Diplasterias brucei	-71.31	-13.985199928284	2005-02-20	http://data.gbif.org/occurrences/177394888
177394849	andeep3_seastars_17	Lophaster gaini	-69.4024	-5.3066000938416	2005-02-10	http://data.gbif.org/occurrences/177394849
177394856	andeep3_seastars_23	Freyastera tuberculata	-67.515	-0.025200000032783	2005-03-02	http://data.gbif.org/occurrences/177394856
177394887	andeep3_seastars_7	Benthopecten pedicifer	-70.6561	-14.725099563599	2005-02-22	http://data.gbif.org/occurrences/177394887
177394848	andeep3_seastars_16	Hyphalaster inermis	-69.4024	-5.3066000938416	2005-02-10	http://data.gbif.org/occurrences/177394848

MODELO ACTUAL DE PUBLICACIÓN DE ARTÍCULOS DE DATOS EN PENSOFT



BIOTA COLOMBIANA



¿QUÉ SE PUBLICA?



- ✓ Listas de chequeo (temáticas, regionales, mundiales)
- ✓ Monitoreos (i.e. parcelas permanentes)
- ✓ Expediciones, evaluaciones rápidas
- ✓ Conjuntos de datos de trabajos de grado
- ✓ Colecciones especiales

ARTÍCULOS DE DATOS PUBLICADOS



ZooKeys 185:73–78 (2012) doi: 10.3897/zookeys.185.3078 www.zookeys.org

DATA PAPER



Antarctic Starfish (Echinodermata, Asteroidea) from the ANDEEP3 expedition

Bruno Danis¹, Michel Jangoux², Jennifer Wilmes²

l ANTABIF, 29, rue Vautier, 1000, Brussels, Belgium 2 Université Libre de Bruxelles, 50, av FD Roosevelt, 1050, Brussels, Belgium

Corresponding author: Bruno Danis (bruno.danis@gmail.com)

Academic editor: Vishwas Chavan | Received 13 March 2012 | Accepted 18 April 2012 | Published 23 April 2012

Citation: Danis B, Jangoux M, Wilmes J (2012) Antarctic Starfish (Echinodermata: asteroidea) from the ANDEEP3 expedition. ZooKeys 185: 73–78. doi: 10.3897/zookeys.185.3078

ARTÍCULOS DE DATOS PUBLICADOS



PhytoKeys 12: 59–67 (2012) doi: 10.3897/phytokeys.12.2849 www.phytokeys.com





Florabank I: a grid-based database on vascular plant distribution in the northern part of Belgium (Flanders and the Brussels Capital region)

Wouter Van Landuyt^{1,2}, Leo Vanhecke³, Dimitri Brosens¹

1 Research Institute for Nature and Forest, Kliniekstraat 25, 1070, Brussels, Belgium 2 Flo. Wer, Bouchout Domain, Nieuwelaan 38, 1070, Meise, Belgium 3 NBGB (National Botanic Garden of Belgium), Bouchout Domain, Nieuwelaan 38, 1860, Meise, Belgium

Corresponding author: Wouter Van Landuyt (wouter.vanlanduyt@inbo.be)

Academic editor: Vishwas Chavan | Received 6 February 2012 | Accepted 15 May 2012 | Published 16 May 2012

Citation: Van Landuyt W, Vanhecke L, Brosens D (2012) Florabank1: a grid-based database on vascular plant distribution in the northern part of Belgium (Flanders and the Brussels Capital region). PhytoKeys 12: 59–67. doi: 10.3897/phytokeys.12.2849

¿CUÁNDO RECOMENDAMOS PUBLICAR ARTÍCULOS DE DATOS?



Cuando los datos sean primarios, originales y estén restringidos temporal y metodológicamente:

- Registros biológicos de un proyecto particular
- Colecciones especiales (i.e. históricas)
- Listados de especies
- Catálogos taxonómicos

ZooKeys 198: 103–109 (2012) doi: 10.3897/zookeys.198.3032 www.zookeys.org

DATA PAPER





A dataset from bottom trawl survey around Taiwan

Kwang-Tsao Shao', Jack Lin', Chung-Han Wu', Hsin-Ming Yeh', Tun-Yuan Cheng'

I Biodiversity Research Center, Academia Sinica, No. 128, Sec. 2, Academia Rd., Nankang, Taipei, TAIWAN, R.O.C.

Corresponding author: Kwang-Tsao Shao (zoskt@gate.sinica.edu.tw); Jack Lin (jacklin@gate.sinica.edu.tw)

Academic editor: V. Chavan | Received 29 February 2012 | Accepted 22 May 2012 | Published 30 May 2012

Citation: Shao K-T, Lin J, Wu C-H, Yeh H-M, Cheng T-Y (2012) A dataset from bottom trawl survey around Taiwan. ZooKeys 198: 103–109. doi: 10.3897/zookeys.198.3032

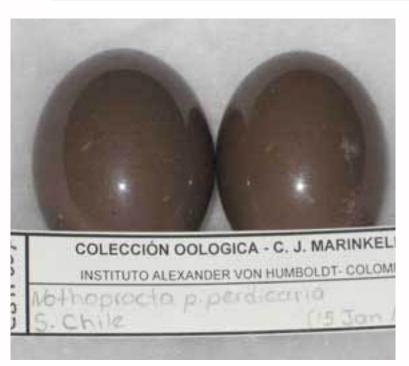
Abstract

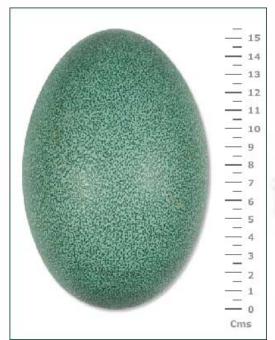
Bottom trawl fishery is one of the most important coastal fisheries in Taiwan both in production and economic values. However, its annual production started to decline due to overfishing since the 1980s. Its bycatch problem also damages the fishery resource seriously. Thus, the government banned the bottom fishery within 3 nautical miles along the shoreline in 1989. To evaluate the effectiveness of this policy, a four year survey was conducted from 2000–2003, in the waters around Taiwan and Penghu (Pescadore) Islands, one region each year respectively. All fish specimens collected from trawling were brought back to lab for identification, individual number count and body weight measurement. These raw data have been integrated and established in Taiwan Fish Database (http://fishdb.sinica.edu.tw). They have also been published through TaiBIF (http://taibif.tw), FishBase and GBIF (website see below). This dataset contains 631 fish species and 3,529 records, making it the most complete demersal fish fauna and their temporal and spatial distributional data on the soft marine habitat in Taiwan.



UN EJEMPLO DE COLECCIONES...

EN COLOMBIA ESTÁ LA COLECCIÓN DE HUEVOS DE AVES MÁS GRANDE DEL MUNDO







¿CUÁNDO <u>NO</u> RECOMENDAMOS PUBLICAR ARTÍCULOS DE DATOS?



Cuando los datos <u>NO</u> estén restringidos temporal y metodológicamente.

- Conjuntos de datos provenientes de una colección que están en crecimiento kte
- Compilación de registros biológicos de fuentes secundarias (i.e. literatura)

ZooKeys 150: 407–417 (2011) doi: 10.3897/zookeys.150.2002 www.zookeys.org

DATA PAPER





Literature based species occurrence data of birds of northeast India

Sujit Narwade¹, Mohit Kalra¹, Rajkumar Jagdish¹, Divya Varier¹, Sagar Satpute¹, Noor Khan¹, Gautam Talukdar², V. B. Mathur², Karthikeyan Vasudevan², Dinesh Singh Pundir², Vishwas Chavan³, Rajesh Sood³

I Bombay Natural History Society (BNHS), Shaheed Bhagatsingh Road, 400001, Mumbai, India 2 Wildlife Institute of India (WII), Post Box No 18, Chandrabani, 248001, Dehradun, India 3 Global Biodiversity Information Facility (GBIF), Universitetsparken 15, DK 2100, Copenhagen, Denmark

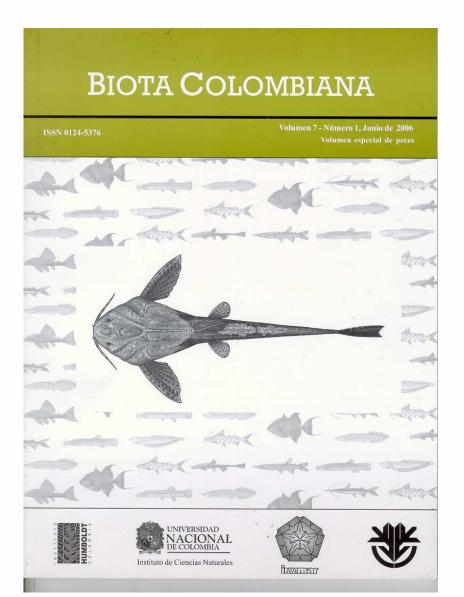
Corresponding author: Sujit Narwade (bnhs@envis.nic.in)

Academic editor: L. Penev | Received 2 September 2011 | Accepted 24 November 2011 | Published 28 November 2011

Citation: Narwade S, Kalra M, Jagdish R, Varier D, Satpute S, Khan N, Talukdar G, Mathur VB, Vasudevan K, Pundir DS, Chavan V, Sood R (2011) Literature based species occurrence data of birds of northeast India. In: Smith V, Penev L (Eds) e-Infrastructures for data publishing in biodiversity science. ZooKeys 150: 407–417. doi: 10.3897/zookeys.150.2002

ARTÍCULOS DE DATOS EN COLOMBIA





ARTÍCULOS DE DATOS EN COLOMBIA



- Socialización del modelo de artículos de datos
- Propuesta a GBIF a convocatoria sobre "promoción de artículos de datos"
- Esquema general del proceso editorial y guía de autores
- Personalización del IPT de Biota Colombiana

¡Tenemos al menos 3 artículos esperando que se apruebe el modelo!



"LA INSTITUCIONALIZACIÓN DE LOS ARTÍCULOS
DE DATOS FACILITARÁ EL DESCUBRIMIENTO Y
MOVILIZACIÓN DE LOS DATOS PRIMARIOS
SOBRE BIODIVERSIDAD"

(MUCHOS DE LOS CUALES SON AHORA INVISIBLES)



¿PREGUNTAS, INQUIETUDES, REACCIONES?















