

# DEMONSTRATION OF THE INTEGRATED PUBLISHING TOOLKIT (IPT)

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# BACKGROUND



# Canadensys

Workshop: Data Sharing, Data Standards  
& Demystifying the IPT

APPLY  
Now!



GBIF INTEGRATED PUBLISHING TOOLKIT (IPT)

free and open access to biodiversity data

Home

About

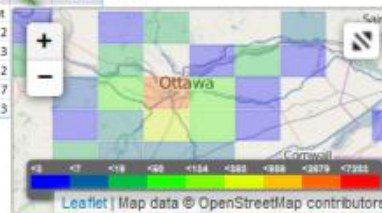
Hosted resources available through this IPT

organizers:



→ Search Records

	A	B	C	D	E	F	G	H
1	recordID	mo	dy	yr	peri	plot		
2	1	7	16	1977	1	2		
3	2	7	16	1977	1	3		
4	3	7	16	1977	1	2		
5	4	7	16	1977	1	7		
6	5	7	16	1977	1	3		



# WHAT IS THE INTEGRATED PUBLISHING TOOLKIT (IPT)?



The screenshot shows the top of a PLOS ONE article page. At the top right is the 'plos.org' logo. Below it, on the left, is the PLOS ONE logo. To the right of the logo are three navigation links: 'Publish', 'About', and 'Browse' (which is highlighted with a grey background). Below the navigation links, there are two icons: a padlock for 'OPEN ACCESS' and a magnifying glass for 'PEER-REVIEWED'. Below these icons is the text 'RESEARCH ARTICLE'. The main title of the article is 'The GBIF Integrated Publishing Toolkit: Facilitating the Efficient Publishing of Biodiversity Data on the Internet'. Below the title is the list of authors: 'Tim Robertson, Markus Döring, Robert Guralnick, David Bloom', followed by an email icon, 'John Wiecezorek, Kyle Braak, Javier Otegui, Laura Russell, Peter Desmet'. At the bottom of the screenshot, it says 'Published: August 6, 2014 • DOI: 10.1371/journal.pone.0102623'.

plos.org

**PLOS** | ONE

Publish | About | Browse

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

## The GBIF Integrated Publishing Toolkit: Facilitating the Efficient Publishing of Biodiversity Data on the Internet

Tim Robertson, Markus Döring, Robert Guralnick, David Bloom , John Wiecezorek, Kyle Braak, Javier Otegui, Laura Russell, Peter Desmet

Published: August 6, 2014 • DOI: 10.1371/journal.pone.0102623

<http://doi.org/10.1371/journal.pone.0102623>

# MAIN FEATURES

Free open-source, web-based software that is used to publish and share biodiversity datasets.

Designed for interoperability, it enables the publishing of content in databases, Microsoft Excel spreadsheets, or text files using open standards namely the **Darwin Core** and the **Ecological Metadata Language**.

# REQUIREMENTS I

## Internet Connectivity

- Many aspects of the IPT require communication with external internet sources

## Public and Stable URL

- IPT is meant to be discoverable and accessible
- Domain name preferable to an IP address

# REQUIREMENTS II

## Memory

- Minimum 256MB RAM

## Disk Space

- IPT application and configuration files require less than 25 MB
- Size of data directory grows as resources are created. Estimate 1 kilobyte per record.
- Archival Mode
- Log files

# REQUIREMENTS III

## Java

- Java 6 or Java 7
- Should be installed prior to installing IPT

## Servlet Container

- IPT packaged with Jetty
- IPT can be deployed with other servlet containers (e.g. Tomcat)
- Should be installed/running prior to configuring IPT





GBIF.org

Free and open access to biodiversity data

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# Integrated Publishing Toolkit (IPT)

A GBIF tool to enable the publishing of biodiversity datasets

v2.3

(Latest version)

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Summary

Stats

Releases

<http://www.gbif.org/ipt>

User manual in English & Spanish

Mailing List

Wiki

FAQS

Bug reporting

Request submission



Kyle Braak





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login

ENGLISH

Home

About

## Hosted resources available through this IPT

Filter:

Logo	Name	Organisation	Type	Subtype	Records	Last modified	Last publication	Next publication
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No resources are currently available

Showing 0 to 0 of 0 resources

◀ previous next ▶

No public resources exist.

IPT Version 2.3-r4173f35323666c30ed7b5e17d15c9c654e0055cb

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# EXAMPLE INSTALLATIONS

The image displays three overlapping screenshots of biodiversity data portals, illustrating different installations of the Integrated Publishing Toolkit (IPT).

**Canadensys:** The top screenshot shows the Canadensys portal with a red header. It includes a search bar, login fields, and navigation tabs for 'explorer', 'repository', 'tools', and 'vascan'. Below the header, it lists 'Hosted resources available through this IPT' with a list of resources including 'Biodiversity Institute of Ontario', 'Bryoquel : Liste des bryophytes', 'Bryoquel : Spécimens de bryologie', 'Cercle des mycologues de Montréal', 'Checklist of Beetles (Coleoptera)', 'Click beetles and wireworms (Coleoptera)', and 'Database of Vascular Plants of Manitoba'.

**GBIF:** The middle screenshot shows the GBIF Integrated Publishing Toolkit. It features a green header with the GBIF logo and the text 'free and open access to biodiversity data'. Below the header, it lists 'Hosted resources available through this IPT' with a table of resources.

Logo	Name	Organisation	Type
	<a href="#">Butterflies-Monitoring-Scheme-II, by Israel Peer</a>	Not registered	Sampling event
--	<a href="#">Environmental impact assessment of oil pollution accident in Gialova lagoon and Navarino Bay</a>	Not registered	Sampling event
--	<a href="#">Lepidoptera samples by Hannu Saarenmaa</a>	Not registered	Occurrence

**SiB:** The bottom screenshot shows the SiB (Sistema de Información sobre Biodiversidad de Colombia) portal. It features a blue header with the SiB logo and the text 'SISTEMA DE INFORMACIÓN SOBRE BIODIVERSIDAD DE COLOMBIA'. Below the header, it lists 'Recursos alojados disponibles a través de este IPT' with a table of resources.

Logo	Nombre	Organización	Tipo	Subtipo	Registros	Última modificación	Última publicación
	Anfibios y Reptiles reportados en humedales del departamento de Córdoba	Corporación Autónoma Regional de los Valles del Sinú y del San Jorge - CVS	Registro biológico	Ejemplar	1,040	2015-02-12	2014-07-17
	Anillamiento de Aves Sierra Nevada de Santa Marta - Proyecto Cruzando el Caribe	Asociación SELVA	Registro biológico	Observación	6,757	2015-02-12	2013-10-18
	Arvenses y árboles asociados a cafetales de Cundinamarca	Universidad Nacional de Colombia	Registro biológico	Ejemplar	89	2015-08-05	2015-08-05

176 Installations across 49 countries

# PILOT GCC/WEST ASIA EIA DATA REPOSITORY

The Eye on Biodiversity Special Initiative focuses on the incentives required to further motivate people, government, agencies and organizations to share their information and data on issues related to biodiversity, particularly with regard to Principle 10 of the 1992 Rio Declaration.

## Hosted resources available through this IPT

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