Impact on Data Use

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OVERALL OBJECTIVE OF THE BID PROGRAMME

"Improved management of natural capital for human well-being, **through increased application** of biodiversity information as evidence for decision making"

USERS REGISTERED IN GBIF.ORG

Africa
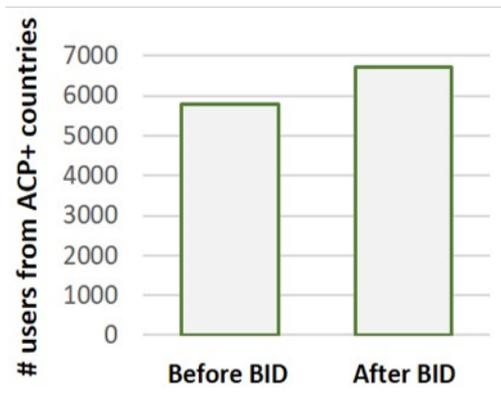
Caribbean
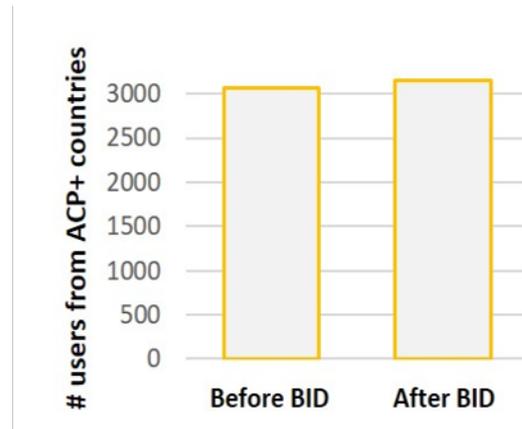
Pacific
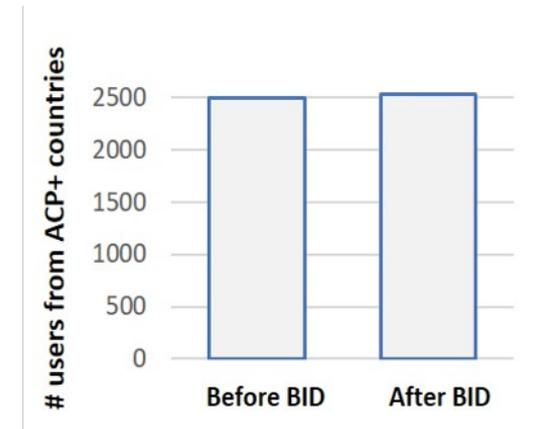
Small to moderate growth in number of data users *after BID.*

Growth in number of users slower than global growth.

GBIF Data users: registered users before and after BID implementation per countries and by region

BID   GBIF

DOWNLOAD OF DATA PUBLISHED BY BID-FUNDED COUNTRIES

DOWNLOAD OF DATA PUBLISHED BY BID-FUNDED COUNTRIES

| | | Country queried | | | | | |
| | | BID-funded | | | ACP+ | | |
User region		AF	CA	PA	AF	CA	PA
AF	before BID	21.1	0	0	19.2	0	0
	during BID	45	6.2	0	42.3	4.1	0
CA	before BID	0	2.5	0	0	9.3	0
	during BID	0.3	11.6	0	0.3	22.3	0
PA	before BID	0	0	1.8	0	0	0.8
	during BID	0	0	9.4	0	0	7.2
non-ACP+	before BID	78.9	97.4	98.2	80.8	90.7	99.2
	during BID	54.6	82.1	90.6	57.4	73.6	92.8

Percentage of the downloads of occurrence data downloaded by users from distinct regions

| | User origin country | | | | | | |
Dataset region	same BID-funded	different BID-funded, same region	different BID-funded, different region	ACP+ non-BID, same region	ACP+ non-BID, different region	non-ACP+	Total
AF	6,482	2,042	4	44	3	2,653	11,228
CA	76	0	78	18	2	814	988
PA	0	1	1	0	1	160	163
Total	6,558	2,043	83	62	6	3,627	12,379

Numbers of downloads from BID-funded datasets by dataset region

Increased download from users located in ACP regions

BID-funded datasets mainly downloaded by users from the ACP countries

Results based on Occurrence data alone

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PEER-REVIEWED PUBLICATIONS
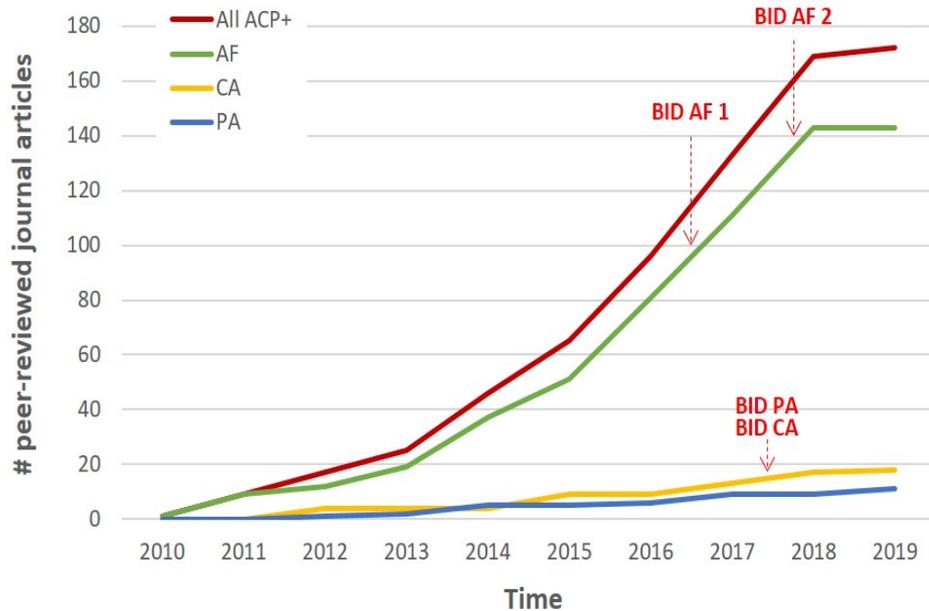
Number of peer-reviewed journal articles with at least one author from ACP+
countries, which used GBIF-mediated data

Origin of authors		Peer reviewed literature			Non-peer reviewed literature		Total literature resources
		Journal articles		Total		Total	
	Region	which used GBIF data	Total		which used GBIF data	Total	
BID-funded countries	AF	136	237	**251**	2	14	**265**
	CA	9	17	**17**	0	0	**17**
	PA	9	13	**13**	0	0	**13**
	Total	**154**	**267**	**281**	**2**	**14**	**295**

Number of literature publications from authors in ACP regions
(cumulative as of April 2019)

LITERATURE PUBLICATIONS CITING BID DATASETS

Region	Peer-reviewed journal	Other peer-reviewed	Non-peer-reviewed	Total literature citations
AF	684	25	57	776
CA	19	1	1	21
PA	33	2	9	44
Total	736	28	67	841

736 citations of BID datasets in peer reviewed journals

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DATA USE FOR DECISION MAKING
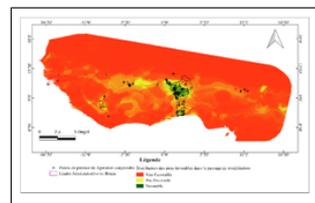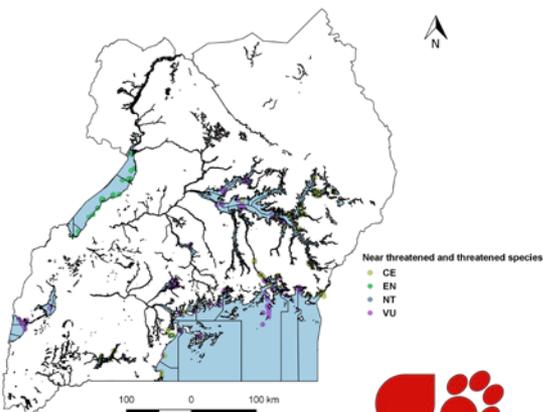
Figure 1: Potential distribution under current climate
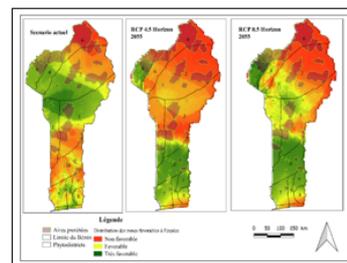
Figure 2: Potential distribution under current and future climates in Benin
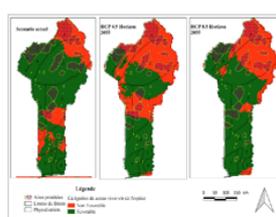
Figure 3: Vulnerability of the phytodistricts with *Ageratum conyzoides.* Figure 4: Vulnerability of protected areas to *Ageratum conyzoides.*
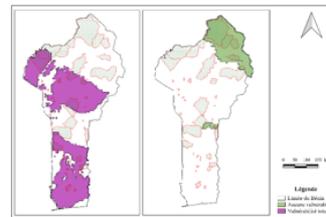
Edible insect farming working group
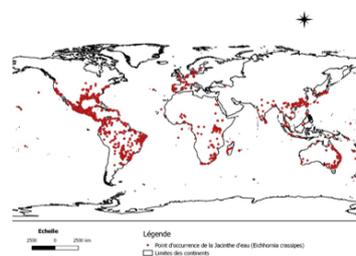
Figure 1: Occurrence points of *Eichhornia crassipes* across the world
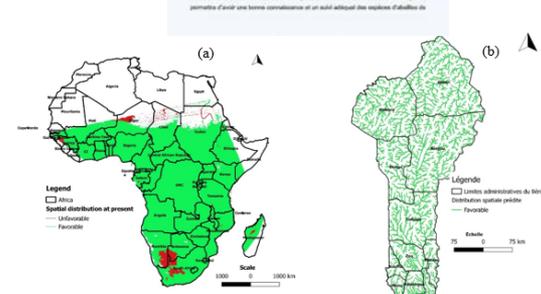
Figure 2: Spatial distribution of *Eichhornia crassipes* at present (threshold of Minimum Training Presence); a) across Africa; b) in Benin

IN BRIEF

- Small to moderate growth in the number of data users

- BID datasets mainly downloaded by users in ACP regions

- 736 citations in peer review journals

- Concrete examples of data use for decision making

A benchmark dataset of herbarium specimen images with label data 🔗

Dillen, M. Groom, Q. Chagnoux, S. Güntsch, A. Hardisty, A. Haston, E. ... - (2019) Biodiversity Data Journal
Background: More and more herbaria are digitising their collections. Images of specimens are made avail
access to them and allow extraction of information from them. Transcription of the data written on specim
discoverability and enables incorporat...

Journal article | Open access | Peer-reviewed
Data used in study `DOI 10.15468/dl.v4htc9` `DOI 10.15468/ib5ypt` `DOI 10.15468/ly60bx` `DOI`
`DOI 10.15468/wrthhx` `DOI 10.15468/ypoair`

A global test of ecoregions 🔗

Smith, J. Letten, A. Ke, P. Anderson, C. Hendershot, J. Dhami, M. ... - (2018) Nature Ecology & Evolution
A foundational paradigm in biological and Earth sciences is that our planet is divided into distinct ecoregi
unique assemblages of species. This notion has profoundly influenced scientific research and environme
advances in technology and data availab...

Journal article | Peer-reviewed
Data used in study `DOI 10.15468/dl.61rqcy` `DOI 10.15468/dl.akftay` `DOI 10.15468/dl.as6uug` `DOI`
`DOI 10.15468/dl.pn1aw9` `DOI 10.15468/dl.uhenlf` `DOI 10.15468/dl.uhumps`

Specimens as Research Objects: Reconciliation Across Distributed Repositorie Metadata Propagation 🔗

Nicolson, N. Paton, A. Phillips, S. Tucker, A. (2018) 2018 IEEE 14th International Conference on e-Science
Botanical specimens are shared as long-term consultable research objects in a global network of specim
specimens are generated from a shared field collection event; generated specimens are then managed in
repositories and independently augmented with re...

annotation • data citation • record linkage • research objects

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BREAKOUT SESSION

Discussions: 30 minutes

(1) Choose a note taker (use word document)

(2) Choose a rapporteur

(3) Discuss the different questions

(4) Capture key messages on post it

Plenary: 30 minutes

A selection of groups will have **5 minutes** to:

(1) Display their post it

(2) Present their key messages to the whole group

BID IMPACT ON DATA USE

(1) In your opinion, why are researchers in the region not sufficiently aware and/or not sufficiently using GBIF as a source of primary biodiversity data?

(2) In your opinion, what are the key challenges in integrating biodiversity data into decision-making processes?