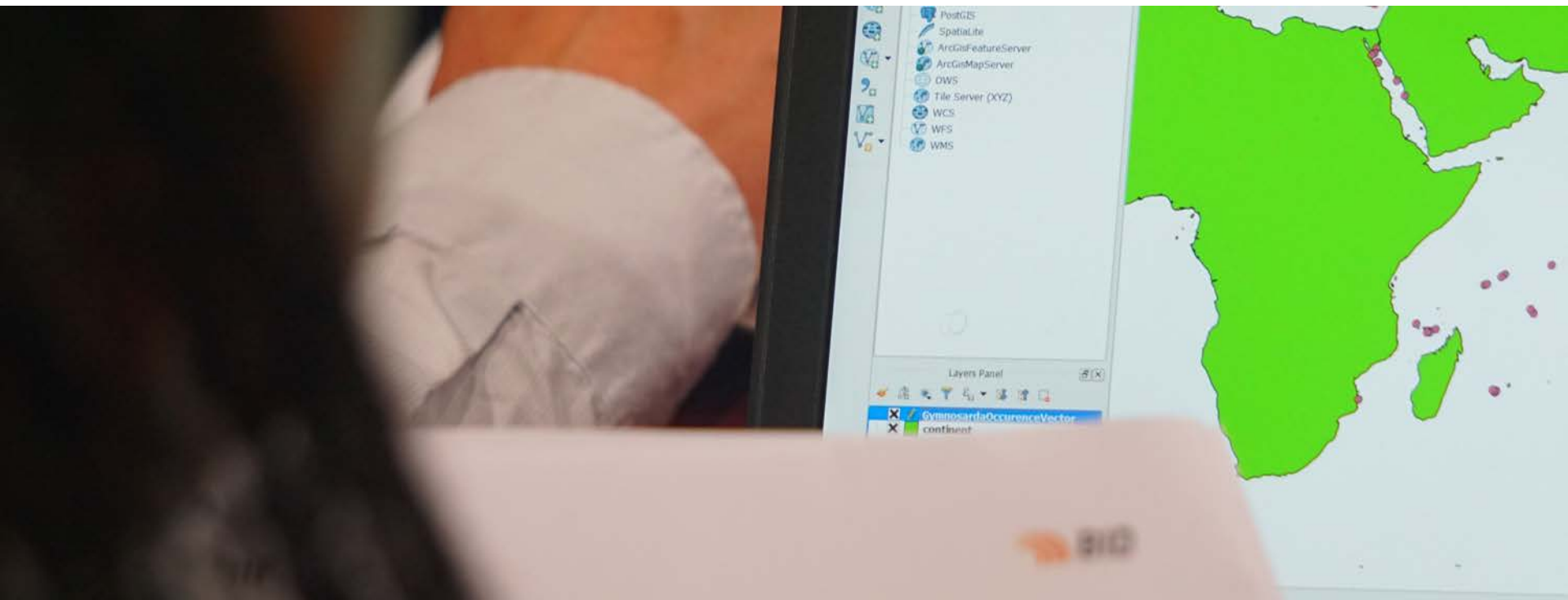




GBIF

Global Biodiversity
Information Facility



Impact on Data Use

Maheva Bagard Laursen – GBIFS Programme Coordinator

06 August 2019

THE BID PROGRAMME IS FUNDED BY THE [EUROPEAN UNION](#)



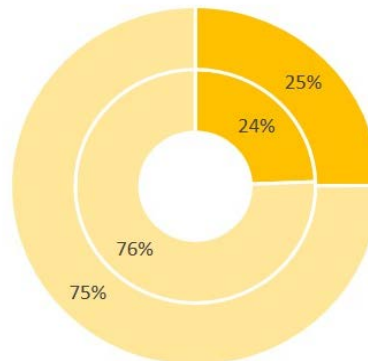


OVERALL OBJECTIVE OF THE BID PROGRAMME

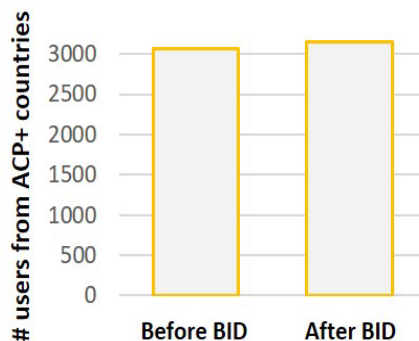
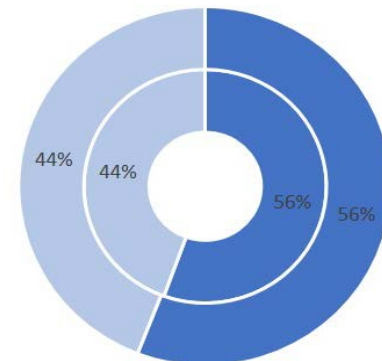
"Improved management of natural capital for human well-being, **through increased application** of biodiversity information as evidence for decision making"

USERS REGISTERED IN GBIF.ORG

CA

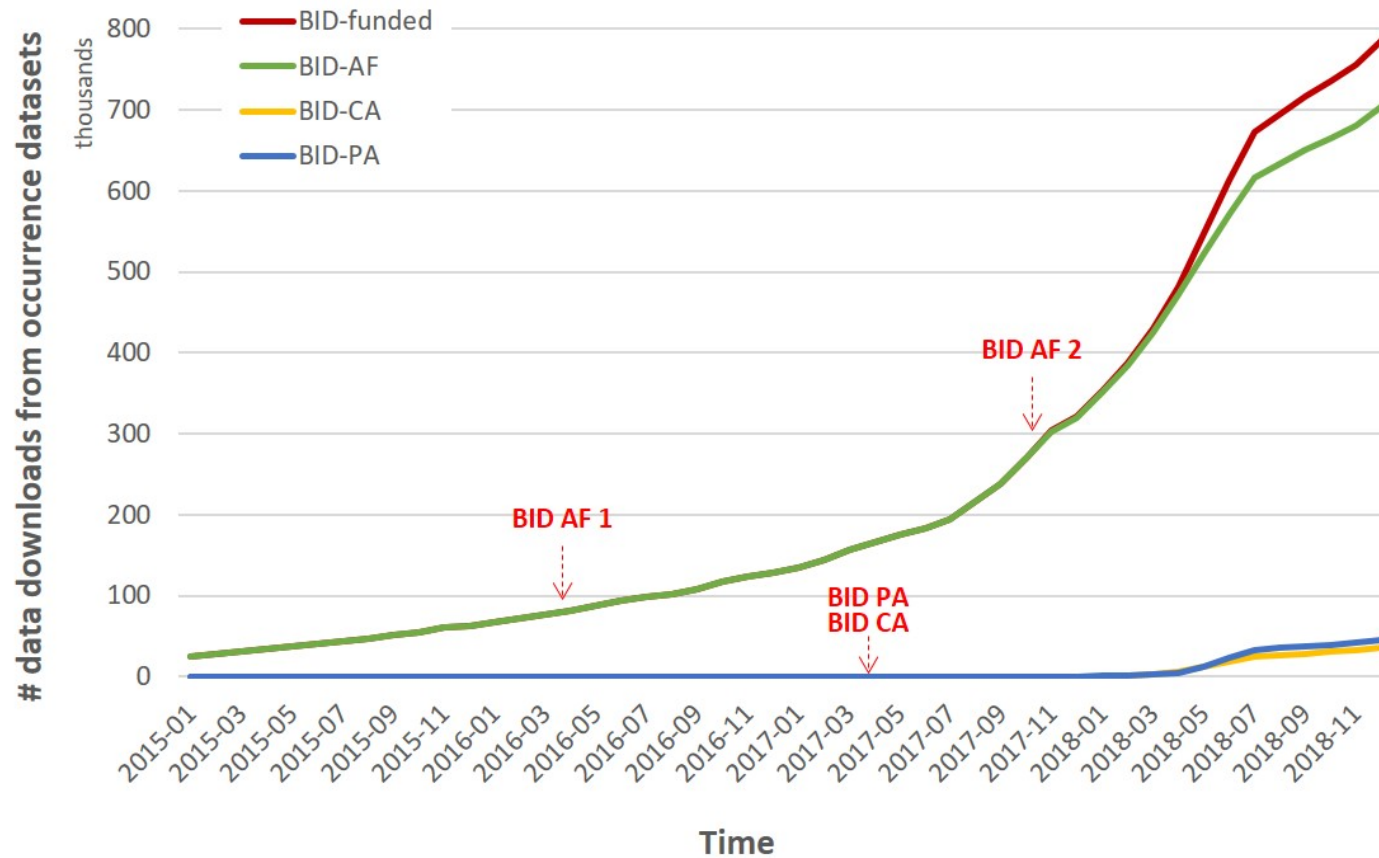


PA



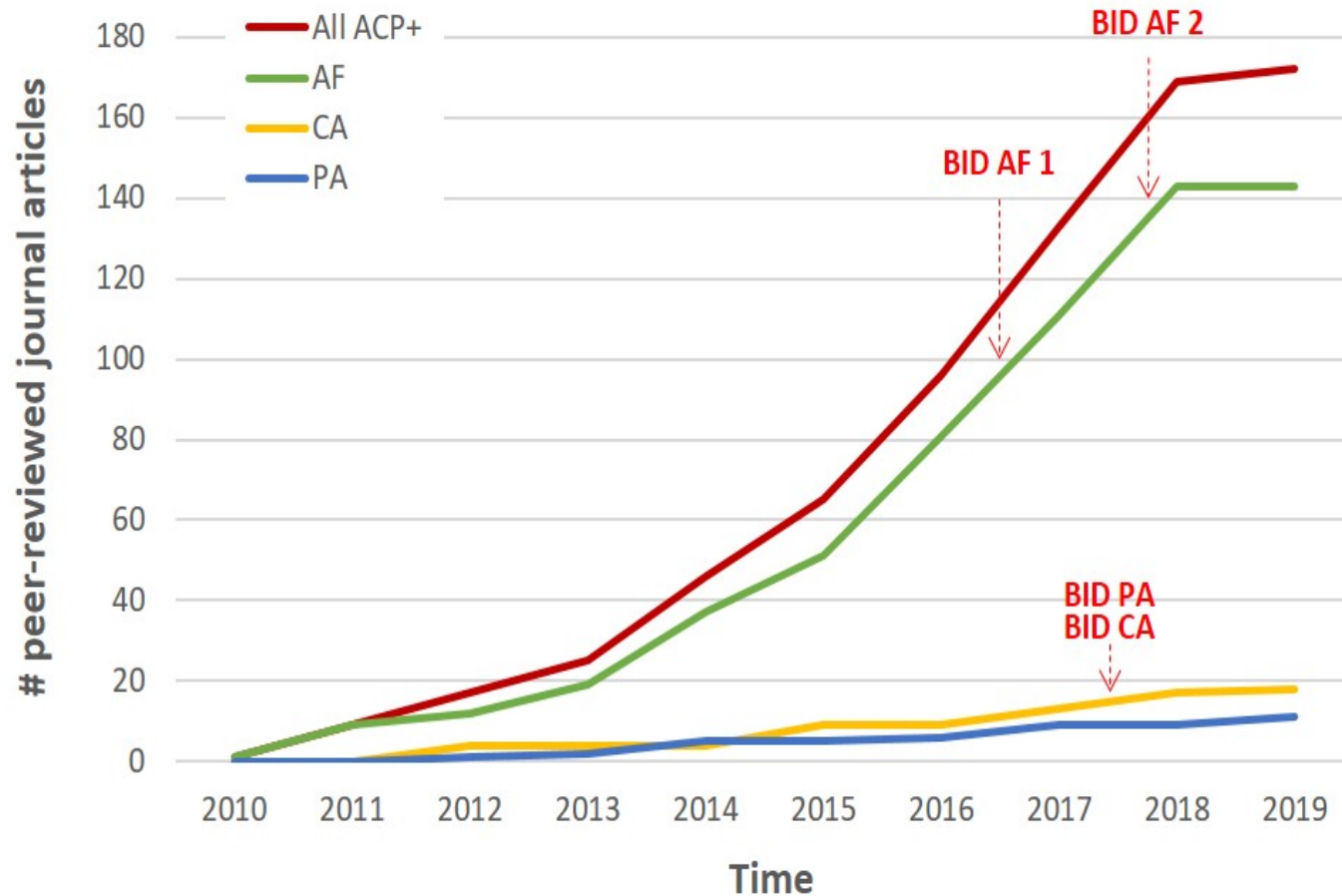
Small to moderate growth in number of data users *after BID*.
Growth in number of users slower than global growth.

DOWNLOAD OF DATA PUBLISHED BY BID-FUNDED COUNTRIES



Results based on Occurrence data alone

PEER-REVIEWED PUBLICATIONS



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



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

DATA USE FOR DECISION MAKING

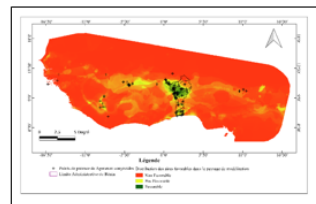
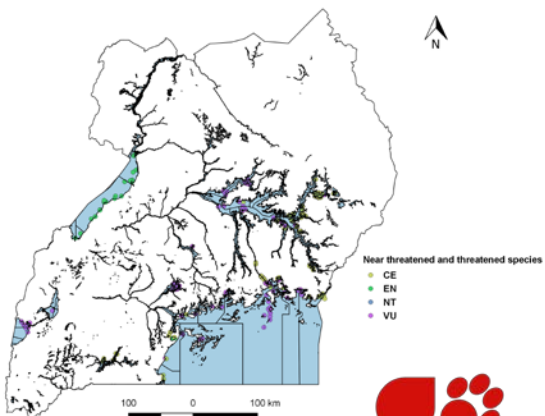


Figure 1: Potential distribution under current climate

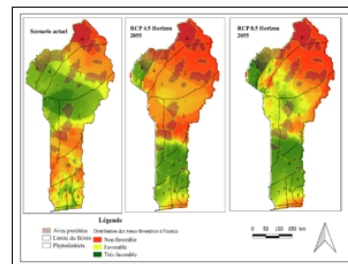


Figure 2: Potential distribution under current and future climates in Benin

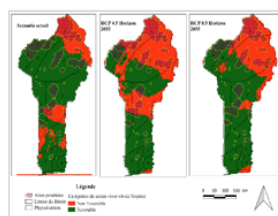


Figure 3: Vulnerability of the phytodistricts with *Ageratum conyzoides*

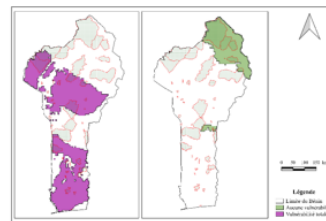


Figure 4: Vulnerability of protected areas to *Ageratum conyzoides*

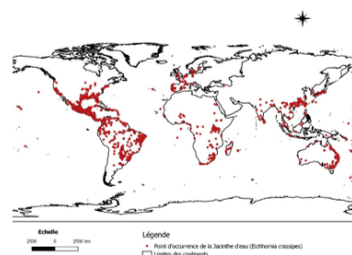


Figure 1: Occurrence points of *Eichhornia crassipes* across the world

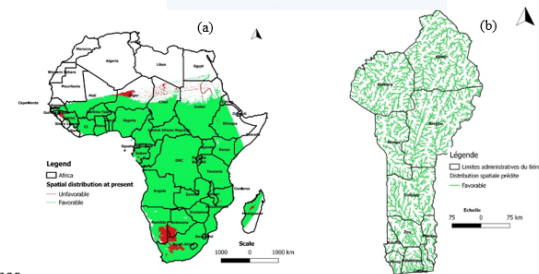


Figure 2: Spatial distribution of *Eichhornia crassipes* at present (threshold of Minimum Training Presence); a) across Africa; b) in Benin

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 available to them and allow extraction of information from them. Transcription of the data written on specimen labels increases discoverability and enables incorporation into other datasets.

[Journal article](#) [Open access](#) [Peer-reviewed](#)

Data used in study [DOI 10.15468/dl.v4htc9](#) [DOI 10.15468/dl.5ypt](#) [DOI 10.15468/dl.60bx](#) [DOI 10.15468/dl.wrthx](#) [DOI 10.15468/dl.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 ecoregions, each with unique assemblages of species. This notion has profoundly influenced scientific research and environmental management. Advances in technology and data availability are now enabling a more detailed understanding of the world's ecoregions.

[Journal article](#) [Peer-reviewed](#)

Data used in study [DOI 10.15468/dl.61rqcy](#) [DOI 10.15468/dl.akftay](#) [DOI 10.15468/dl.as6uug](#) [DOI 10.15468/dl.pn1aw9](#) [DOI 10.15468/dl.uhenlf](#) [DOI 10.15468/dl.uhumps](#)

[Specimens as Research Objects: Reconciliation Across Distributed Repositories and 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 specimen repositories. Specimens are generated from a shared field collection event; generated specimens are then managed in different repositories and independently augmented with related data.

[annotation](#) • [data citation](#) • [record linkage](#) • [research objects](#)

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

Each group 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?