Biodiversity Information for Development (BID) Regional Engagement Webinar for Latin America and Caribbean

Tuesday 19 May 2020 14:00 UTC, 2 hour Zoom webinar

Registration required:
https://us02web.zoom.us/webinar/register/WN_2m6E9866RFa8VsGOefA-lA

Presentations will be in English. Participants can ask questions in English and Spanish

Agenda

Welcome messages

Joe Miller, GBIF Executive Secretary, and Chantal Marijnissen, Head of Unit DEVCO.C2 – Environment, Natural Resources, Water, European Commission

Session 1 – Introduction to GBIF and the BID programme

Tim Hirsch, Deputy Director, GBIF Secretariat

Session 2 – GBIF Participation in the Latin America and Caribbean region

Anabela Plos, LAC Regional Representative

Session 3 – Regional collaboration through the GBIF capacity enhancement support programme

Francisco Pando, Ciencia y Tecnología para el Desarrollo

Session 4 – Short talks from BID project teams

Elma Kay (Belize), Marcia Ford (Jamaica), Paul Ouboter (Suriname)

Session 5 – Presentation on the Tropical Andes Observatory

Miguel Fernandez, NatureServe

Session 6 – Panel session

Chair: Tim Hirsch; Panel: Anabela Plos, Paula Zermoglio, Dairo Escobar, Francisco Pando, Andrew Rodrigues, Maheva Bagard Laursen, Mélianie Raymond

Session 7: How to stay engaged in GBIF and BID in the future

Mélianie Raymond, GBIF Secretariat

The BID programme is funded by the European Union and co-funded by GBIF

GBIF Global Biodiversity Information Facility

Introduction to GBIF and the Biodiversity Information for Development (BID) programme

Tim Hirsch | Deputy Director

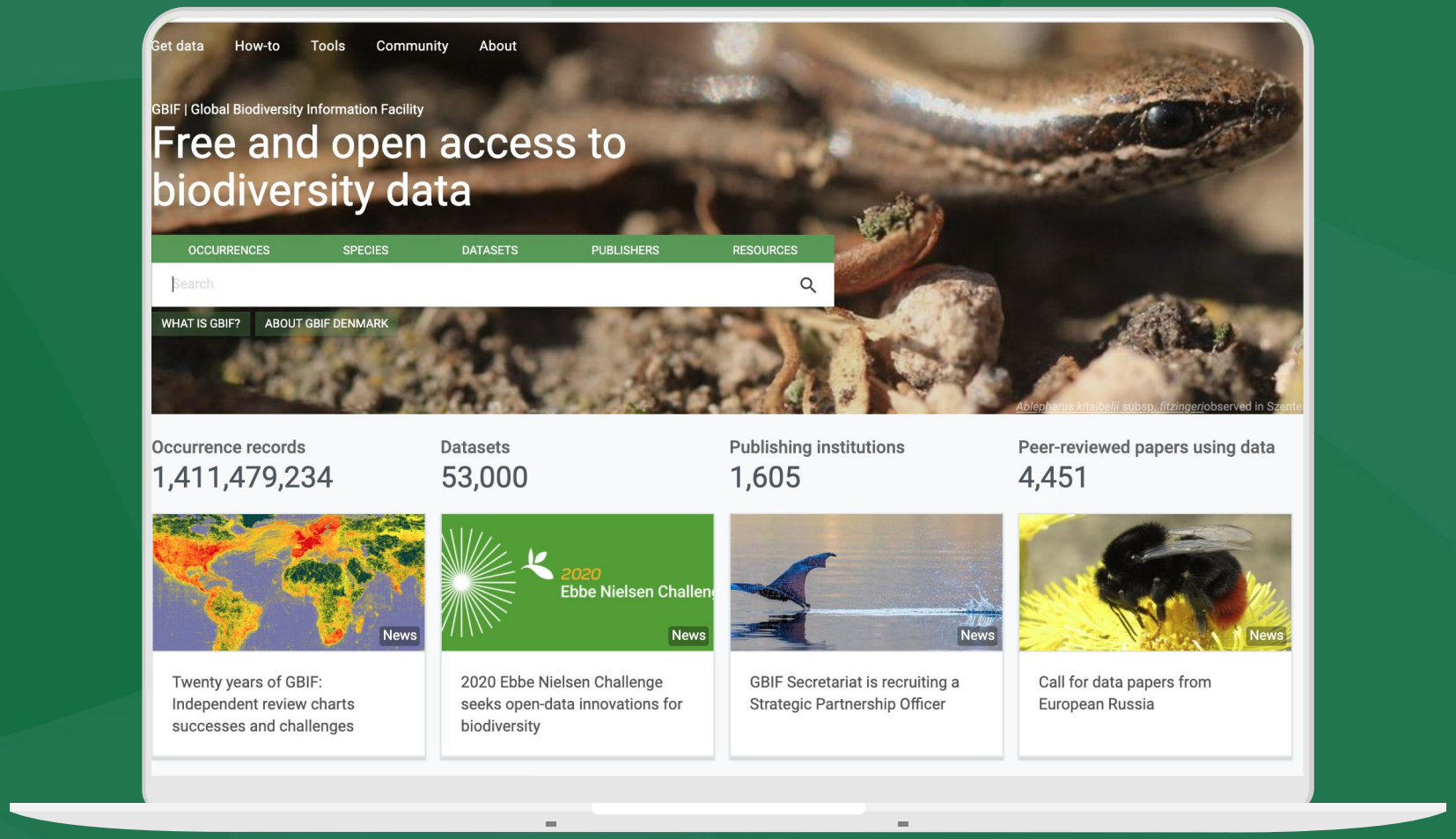
BID Biodiversity Information for Development

WHAT IS GBIF?

Intergovernmental network and research infrastructure

Provides anyone, anywhere, open access to data about all types of life on Earth

Collaboration through voluntary Memorandum of Understanding, Participant nodes

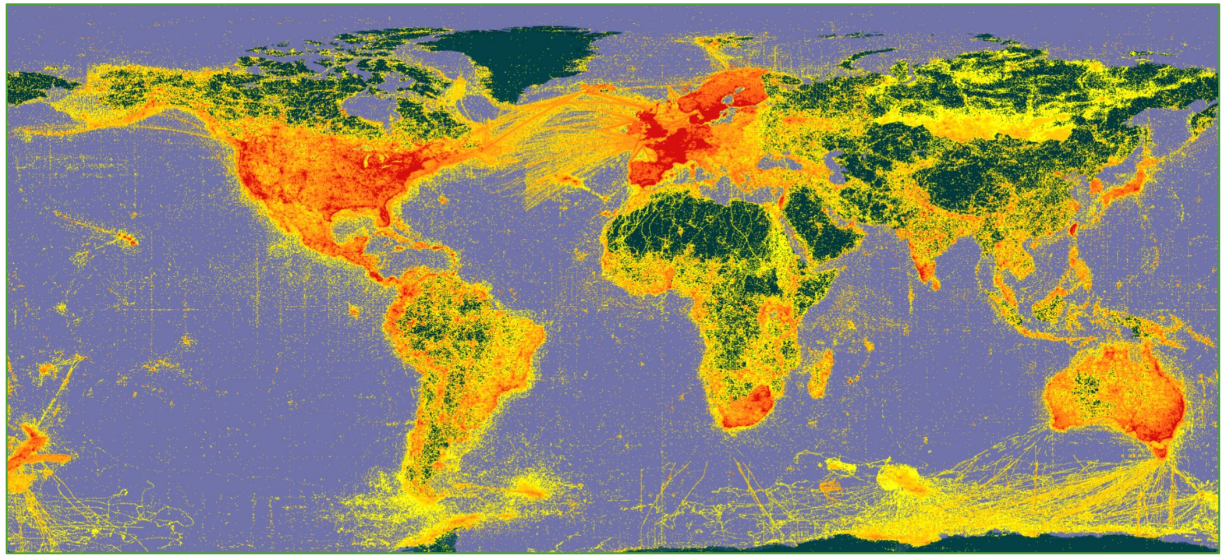


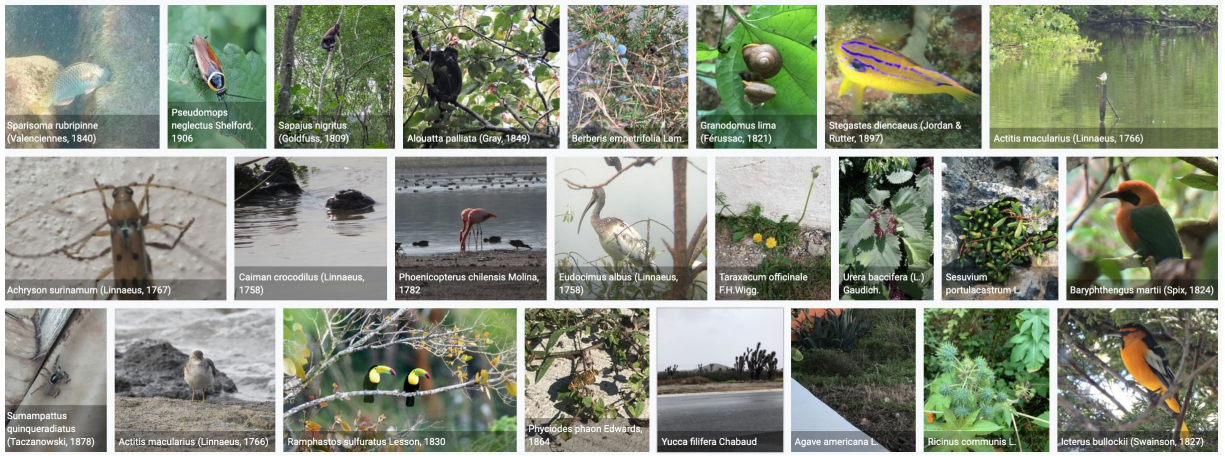
A WINDOW ON EVIDENCE ABOUT WHERE SPECIES LIVED, AND WHEN

Data from:

- Natural history collections
- Research studies
- Monitoring programmes
- Citizens' observations
- Literature
- DNA sampling
- Others…

Shared using common data standards to enable full interoperability and instant retrieval

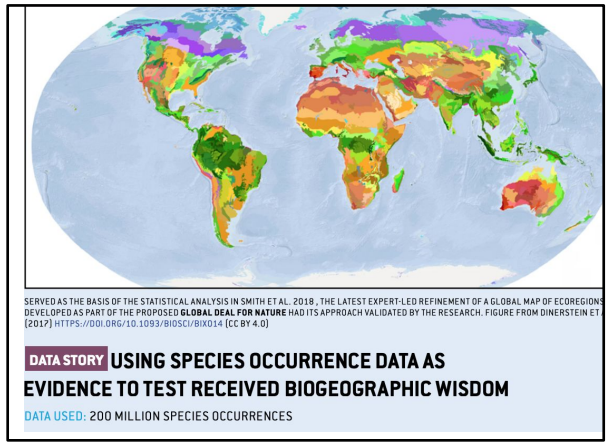




https://www.gbif.org/occurrence/search

GBIF

APPLIED USES OF GBIF-MEDIATED DATA FOR SUSTAINABLE DEVELOPMENT



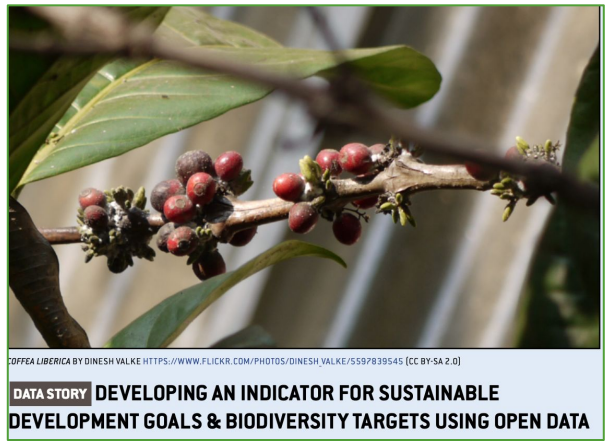
SERVED AS THE BASIS OF THE STATISTICAL ANALYSIS IN SMITH ET AL. 2018 , THE LATEST EXPERT-LED REFINEMENT OF A GLOBAL MAP OF ECOREGIONS DEVELOPED AS PART OF THE PROPOSED **GLOBAL DEAL FOR NATURE** HAD ITS APPROACH VALIDATED BY THE RESEARCH. FIGURE FROM DINERSTEIN ET. (2017) HTTPS://DOI.ORG/10.1093/BIOSCI/BIX014 (CC BY 4.0)

DATA STORY **USING SPECIES OCCURRENCE DATA AS EVIDENCE TO TEST RECEIVED BIOGEOGRAPHIC WISDOM**

DATA USED: 200 MILLION SPECIES OCCURRENCES

Conservation

- Protected areas
- Threatened species
- Invasive species risk

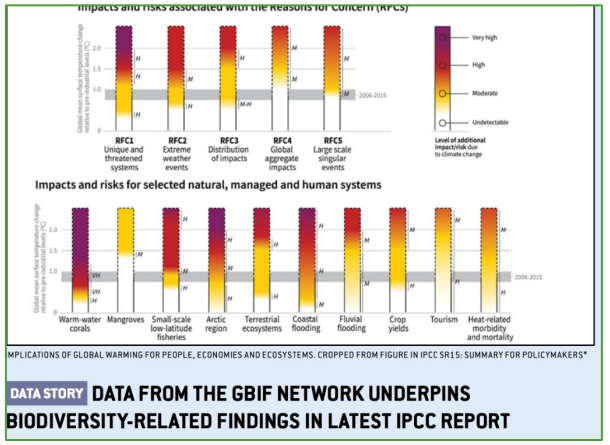


COFFEA LIBERICA BY DINESH VALKE HTTPS://WWW.FLICKR.COM/PHOTOS/DINESH_VALKE/5597839545 (CC BY-SA 2.0)

DATA STORY **DEVELOPING AN INDICATOR FOR SUSTAINABLE DEVELOPMENT GOALS & BIODIVERSITY TARGETS USING OPEN DATA**

Food Security

- Crop wild relatives
- *In situ*, *ex situ* conservation of genetic diversity
- Fisheries planning



MPLICATIONS OF GLOBAL WARMING FOR PEOPLE, ECONOMIES AND ECOSYSTEMS. CROPPED FROM FIGURE IN IPCC SR15: SUMMARY FOR POLICYMAKERS*

DATA STORY **DATA FROM THE GBIF NETWORK UNDERPINS BIODIVERSITY-RELATED FINDINGS IN LATEST IPCC REPORT**

Climate change

- Modelling impacts on species ranges
- Adaptation strategies
- Mitigation benefits, risks

PTEROPUS GIGANTEUS BY HEMANT KUMAR HTTPS://WWW.GBIF.ORG/OCCURRENCE/1092888502 (CC BY-NC 4.0)

DATA STORY **FLYING FOXES PREDICT NIPAH VIRUS TRANSMISSION RISK**

DATA USED: 47,942 SPECIES OCCURRENCES

Human health

- Disease risk based on occurrence of vectors, hosts, reservoirs
- Medicinal plants
- Hazards e.g. snakebite

https://www.gbif.org/science-review

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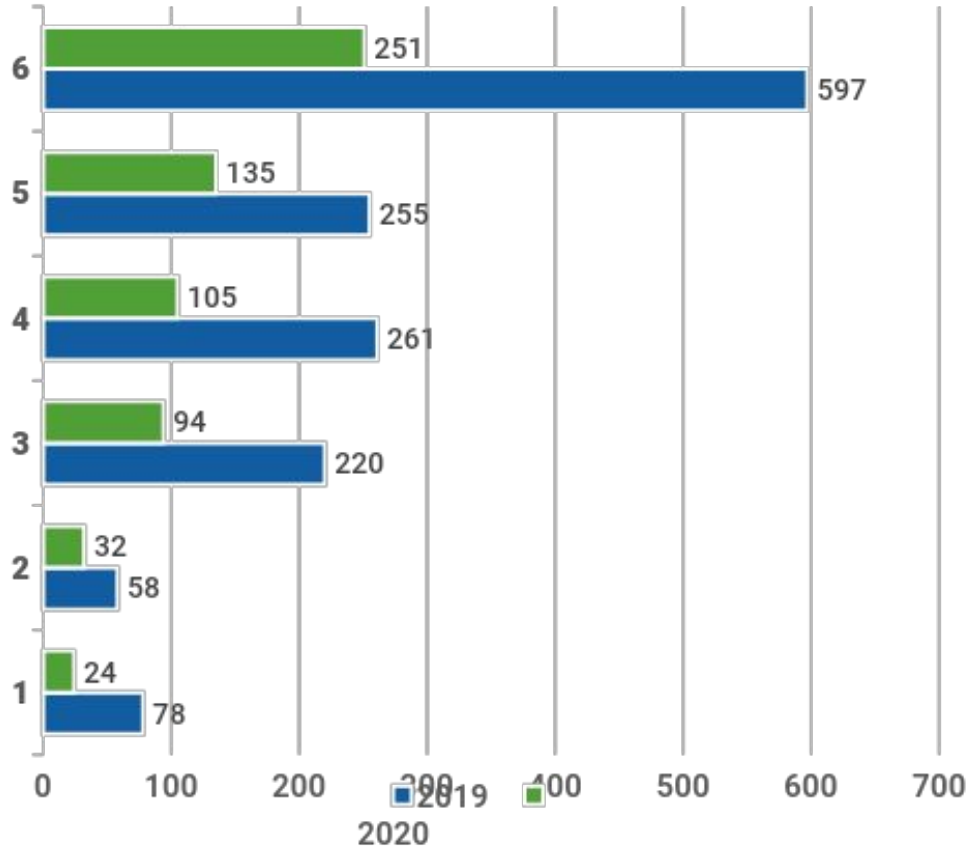
DATA USE IN PEER-REVIEWED JOURNALS *30 April 2020*

Peer-reviewed uses by country

Year-to-date			*2019 rank*
1	United States	81	1
2	Brazil	44	3
3	China	43	2
4	United Kingdom	40	4
5	Spain	31	8
6	Germany	30	6
7	Mexico	27	5
8	Canada	24	10
9	France	15	9
10	Australia	14	7

Peer-reviewed uses by region

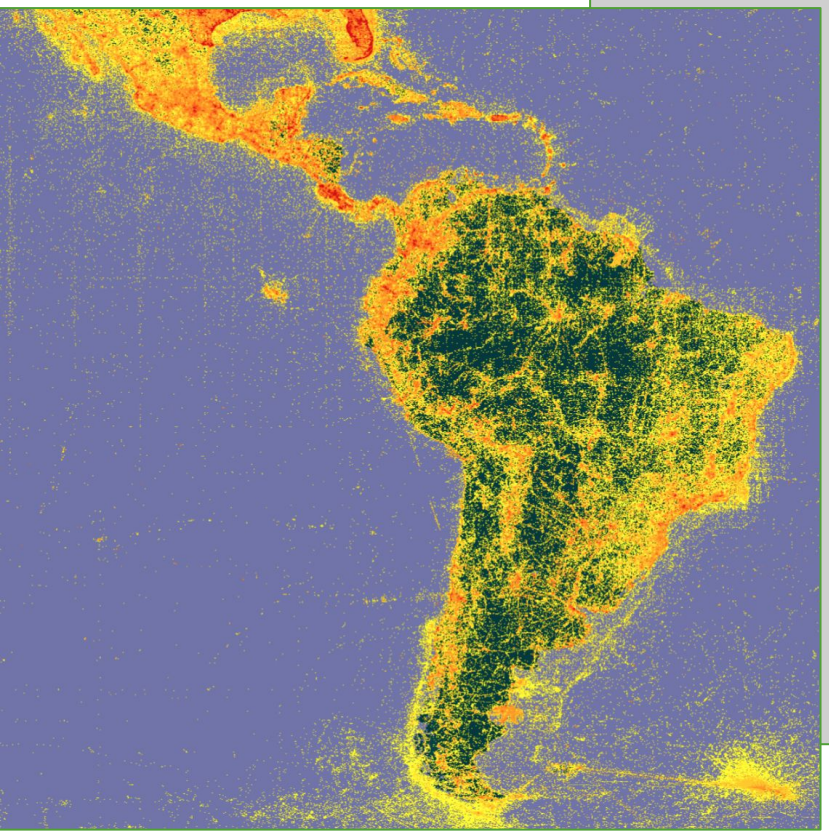


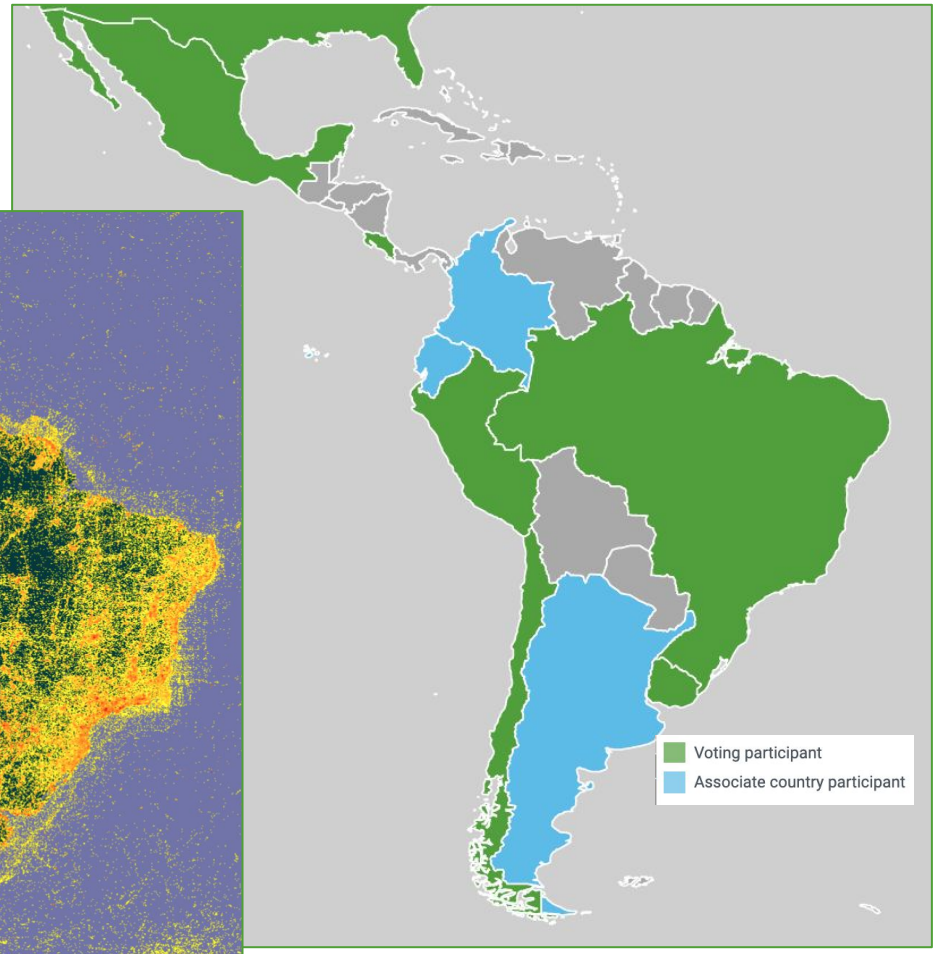
https://www.gbif.org/resource/search?contentType=literature&literatureType=journal&relevance=GBIF_USED&peerReview=true

GBIF

GBIF IN LATIN AMERICA AND THE CARIBBEAN

6 VOTING PARTICIPANTS | 3 ASSOCIATE COUNTRY PARTICIPANTS | 1 OTHER ASSOCIATE PARTICIPANT | 351 PUBLISHERS | 56,758,098 OCCURRENCES





Participant	Membership
Andean Network of BioNET-INTERNATIONAL	Other associate participant
Argentina	Associate country participant
Brazil	Voting participant
Chile	Voting participant
Colombia	Associate country participant
Costa Rica	Voting participant
Ecuador	Associate country participant
Mexico	Voting participant
Peru	Voting participant
Uruguay	Voting participant

Representatives

Role	Name	Participant
Nodes regional representative Latin America and the Caribbean	**Plos, Anabela**	Argentina
Nodes regional representative deputy Latin America and the Caribbean	**Amaya Montano, Leisy**	Chile

https://www.gbif.org/the-gbif-network/latin-america

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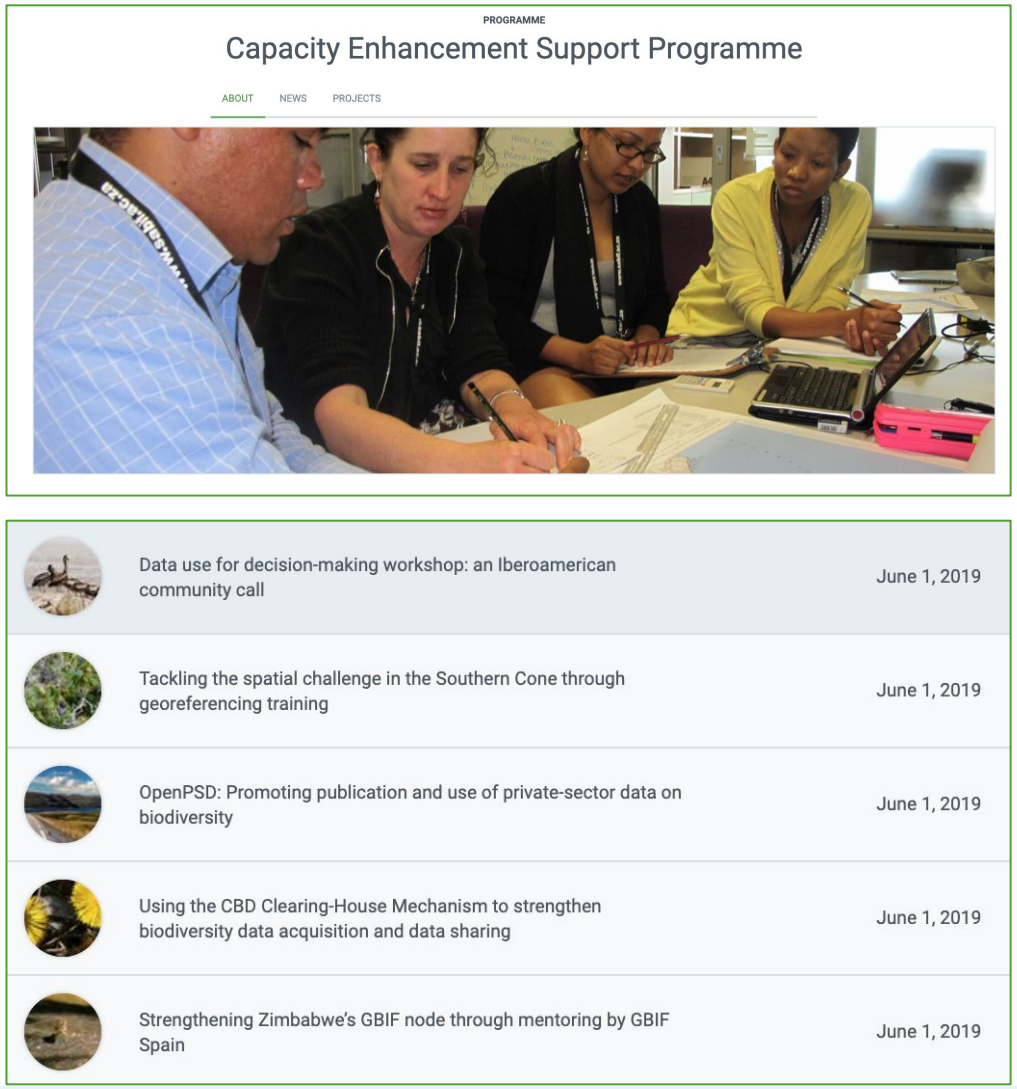
CAPACITY ENHANCEMENT IN GBIF



- Annual call funded from GBIF core budget
- Exclusive to GBIF participating nodes
- Aims to address needs identified by GBIF Participants, facilitates knowledge transfer and collaboration at regional and global levels
- Supports mentoring, regional events, advocacy, documentation, promotion of data use
- 11 projects led by Latin America nodes since 2014, €166k grant funds with €238k co-funding

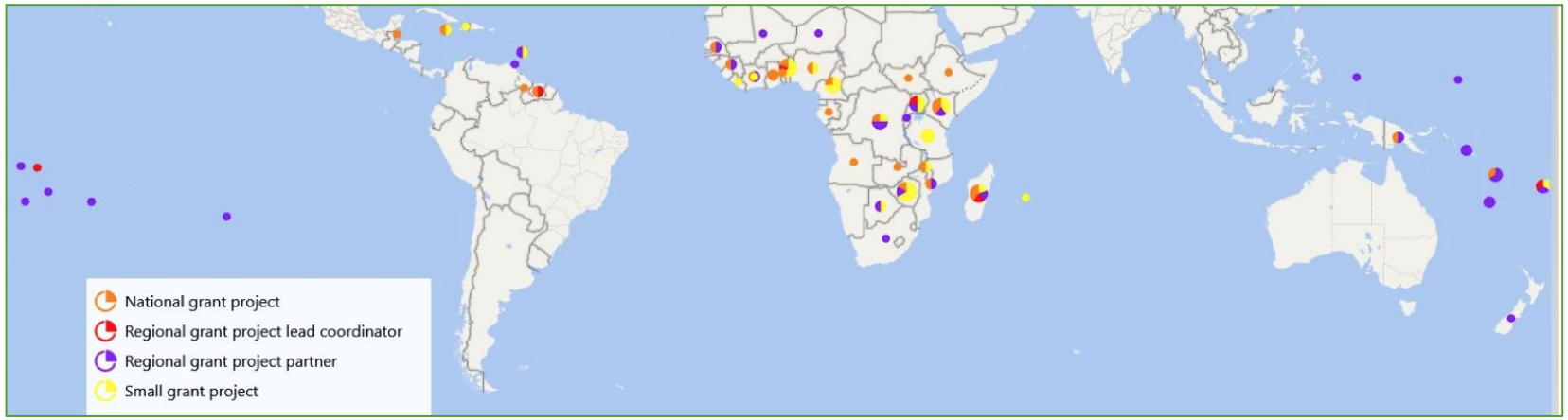
https://www.gbif.org/programme/82219/capacity-enhancement-support-programme

GBIF

BIODIVERSITY INFORMATION FOR DEVELOPMENT (BID) PROGRAMME

Overall objective: Improved management of natural capital for human well-being; through increased application of biodiversity information as evidence for decision making

- Initial €3,9 million grant under the EuropeAid Biodiversity for Life (B4Life) flagship umbrella programme, €1m in-kind contribution from GBIF
- First phase 2015-2019: Funded 63 projects in sub-Saharan Africa, Caribbean and Pacific (ACP) countries
- Regional capacity enhancement workshops trained project teams in biodiversity data mobilization and use
- Extension agreed to 2023, €1.6m budget top-up



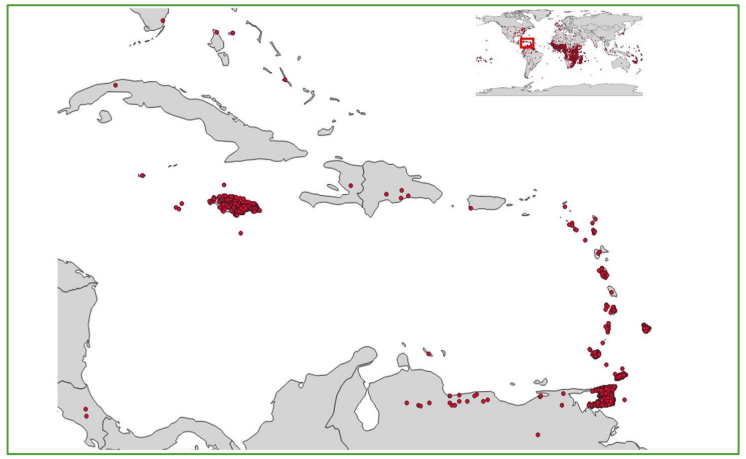
BID | Biodiversity Information for Development

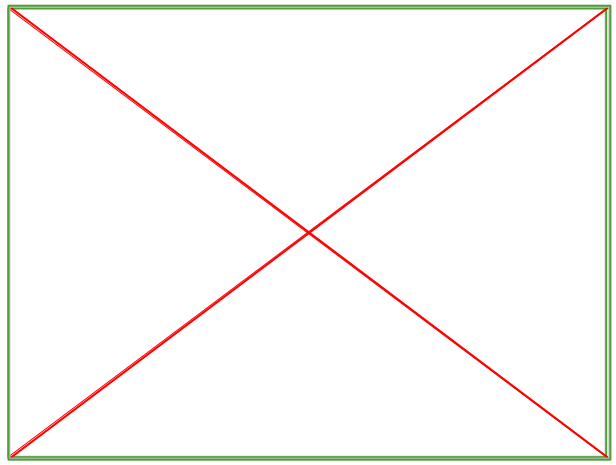
https://www.gbif.org/programme/82243/bid-biodiversity-information-for-development

GBIF

BID IN THE CARIBBEAN: FIRST-PHASE OUTCOMES

Advancing Jamaican biodiversity data products and information services	National grant
Improving biodiversity data accessibility in Trinidad & Tobago, Barbados and Suriname	Regional grant
Capacity building for biodiversity data sharing through the Caribbean Coastal Data Centre in Jamaica	Small grant
Improving natural resources management in Belize by mobilizing biodiversity data	National grant
Developing biodiversity informatics in Haiti for better conservation management	Small grant
Tracking the red lionfish invasion in Barbados	Small grant
Improve accessibility of Surinamese biodiversity data through digitizing and partnerships	National grant
Enhancing Guyana's national biodiversity information system database	National grant





- 8 funded projects covering 9 Caribbean countries
- 81 datasets published in GBIF.org
- 15 Caribbean institutions publishing biodiversity data
- Growing community of practice in biodiversity informatics
- Mentoring and training involving wider LAC region

BID | Biodiversity Information for Development

https://www.gbif.org/programme/82243/bid-biodiversity-information-for-development

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BID IN THE CARIBBEAN: SECOND-PHASE PLANS

- Call for proposals launched in September 2020

- Eligible countries expanded to:

    - All Caribbean island states
    - S. American countries with Caribbean coastline
    - All Mesoamerican countries (Central America + Mexico)
    - EU overseas territories as partners in regional projects

BID | Biodiversity Information for Development

https://www.gbif.org/programme/82243/bid-biodiversity-information-for-development

GBIF

BID IN THE CARIBBEAN: SECOND-PHASE PLANS

Four grant types:

- **Regional data mobilization grant:** establishing or strengthening international collaborations to increase biodiversity data mobilization addressing regional sustainable development needs
  - Funding limit: €120,000 (3 or more countries); €60,000 (2 countries)
- **National data mobilization grant:** establishing or strengthening national biodiversity information facilities and increasing biodiversity data mobilization to respond to national priorities
  - Funding limit: €40,000
- **Institution-level data mobilization grant:** mobilizing data relevant for sustainable development
  - Funding limit: €20,000
- **Data-use grant:** building on existing relationships between biodiversity data-holding institutions and decision makers, and providing data solutions that respond to a specific policy need
  - Funding limit: €60,000

BID | Biodiversity Information for Development

https://www.gbif.org/programme/82243/bid-biodiversity-information-for-development

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BID IN THE CARIBBEAN: SECOND-PHASE PLANS

Timetable:

- **May 2020:** Pre-announcement of BID extension in all regions
- **August 2020:** Pre-announcement of BID Caribbean 2020 call
- **September 2020:** Call for concept notes (3 months)
- **February 2021:** Selected applicants invited to submit full proposals (2 months)
- **May/June 2021:** Selection of funded projects
- **July 2021-July 2023:** Project implementation period
- **August 2021 (TBC):** Regional capacity enhancement workshop

BID | Biodiversity Information for Development

https://www.gbif.org/programme/82243/bid-biodiversity-information-for-development

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THANK YOU

Tim Hirsch

thirsch@gbif.org

GBIF participation in the Latin American and Caribbean Region

GBIF Global Biodiversity Information Facility

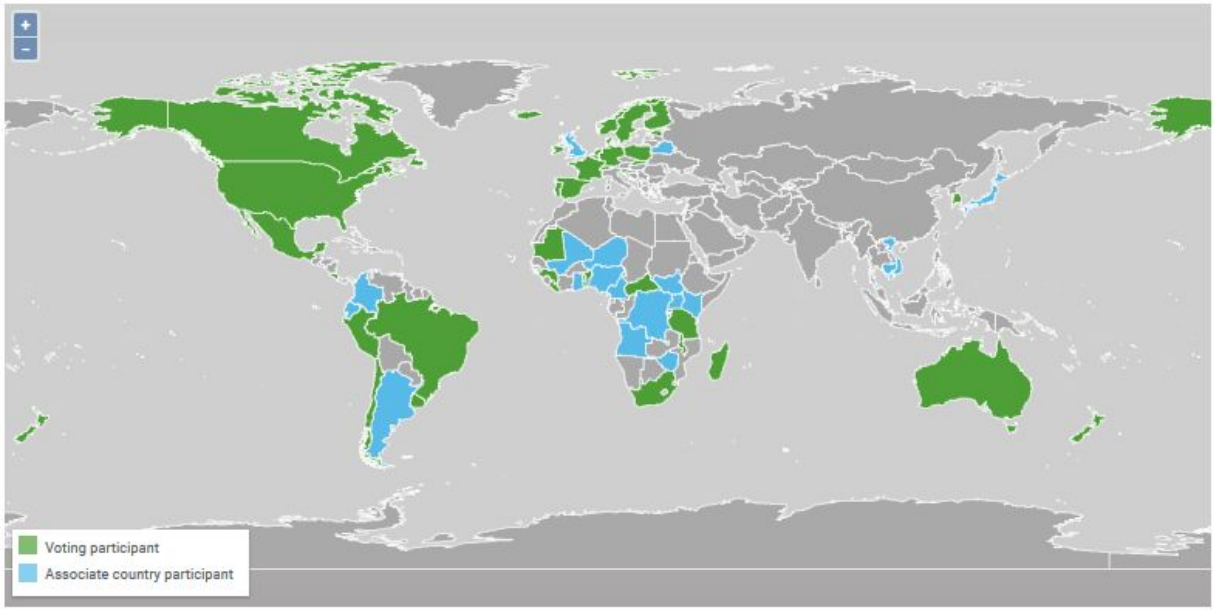
Anabela Plos, NM GBIF Argentina and LAC regional representative

The GBIF Network

41 VOTING PARTICIPANTS

19 ASSOCIATE COUNTRY PARTICIPANTS

38 OTHER ASSOCIATE PARTICIPANTS



Occurrence records	Datasets	Publishing institutions	Peer-reviewed papers using data
1.411.495.968	53.014	1.606	4.451

GBIF

Latin American and the Caribbean

6 VOTING PARTICIPANTS

3 ASSOCIATE COUNTRY PARTICIPANTS

1 OTHER ASSOCIATE PARTICIPANT

351 PUBLISHERS

56,758,098 OCCURRENCES

GBIF

Latin American and the Caribbean

Role	Name	Participant
Nodes regional representative Latin America and the Caribbean	**Plos, Anabela**	Argentina
Nodes regional representative deputy Latin America and the Caribbean	**Amaya Montano, Leisy**	Chile

10 participants

Participant	Membership	Member since	Datasets	Occurrences	Publishers
Andean Network of BioNET-INTERNATIONAL	Other associate participant	2007	0	0	0
Argentina	Associate country participant	2002	277	4,266,630	47
Brazil	Voting participant	2012	404	12,033,863	103
Chile	Voting participant	2009	35	1,742,843	32
Colombia	Associate country participant	2003	1,198	10,534,513	139
Costa Rica	Voting participant	2001	17	9,651,135	6
Ecuador	Associate country participant	2016	8	2,830,697	7
Mexico	Voting participant	2001	961	12,938,722	4
Peru	Voting participant	2002	10	2,501,217	9
Uruguay	Voting participant	2009	3	258,478	4

GBIF

GBIF programs on the LAC region

For GBIF Participants (MoU)

- Capacity Enhancement Support Programme (CESP)
- Young Research Awards

For the Caribbean

- Biodiversity Information for Development (BID)

For all

- Ebbe Nielsen Challenge

CESP Programme

The Secretariat has opened annual calls for proposals under CESP since 2014.

The **33 CESP** projects funded in the period **2014-2019** received a total of **€ 410,940** of core funds, and leveraged an estimated further € 629,482 in co-funding from the participants involved, making the combined total investment in the projects

€ 1,040,422.

Pehuén (*Araucaria araucana*) Copahue, AR. Michelle Delaloye (CC-BY-NC)

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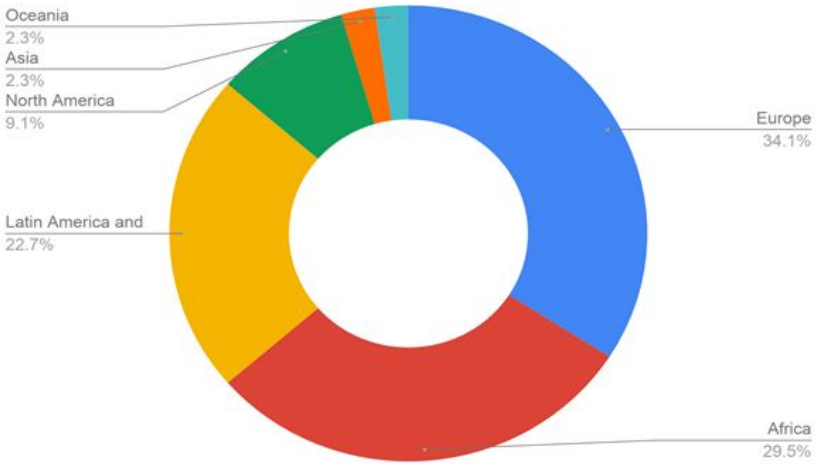
CESP Programme

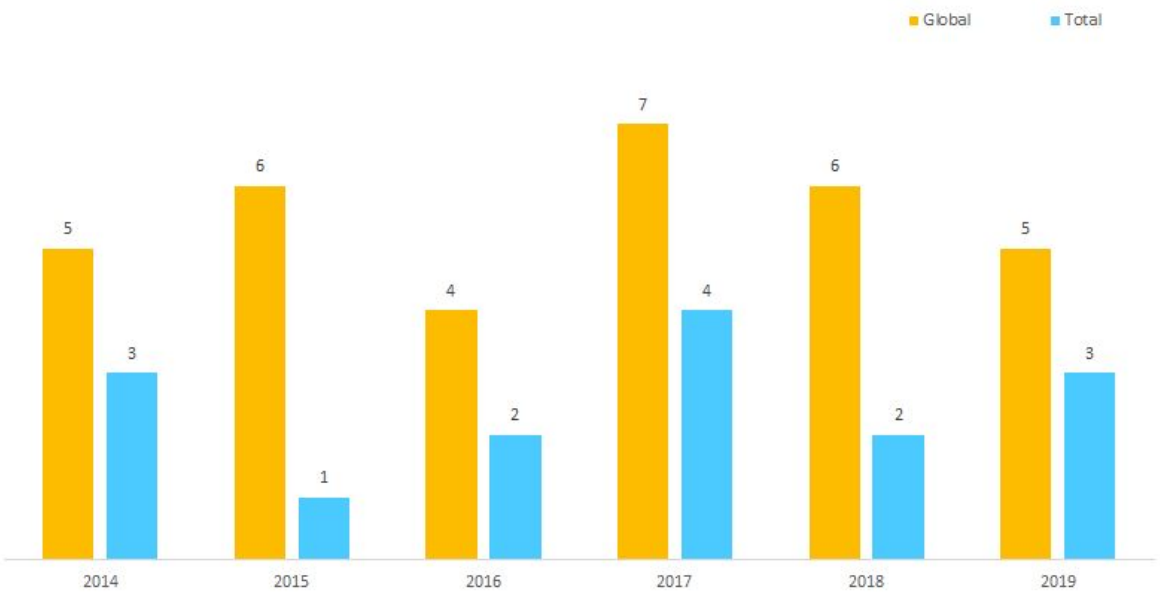


The CESP projects have involved 44 Participants (46% of all GBIF Participants) from all six regions in GBIF.

Pehuén (*Araucaria araucana*) Copahue, AR. Michelle Delaloye (CC-BY-NC)

GBIF

CESP Programme



Pehuén (*Araucaria araucana*) Copahue, AR. Michelle Delaloye (CC-BY-NC)

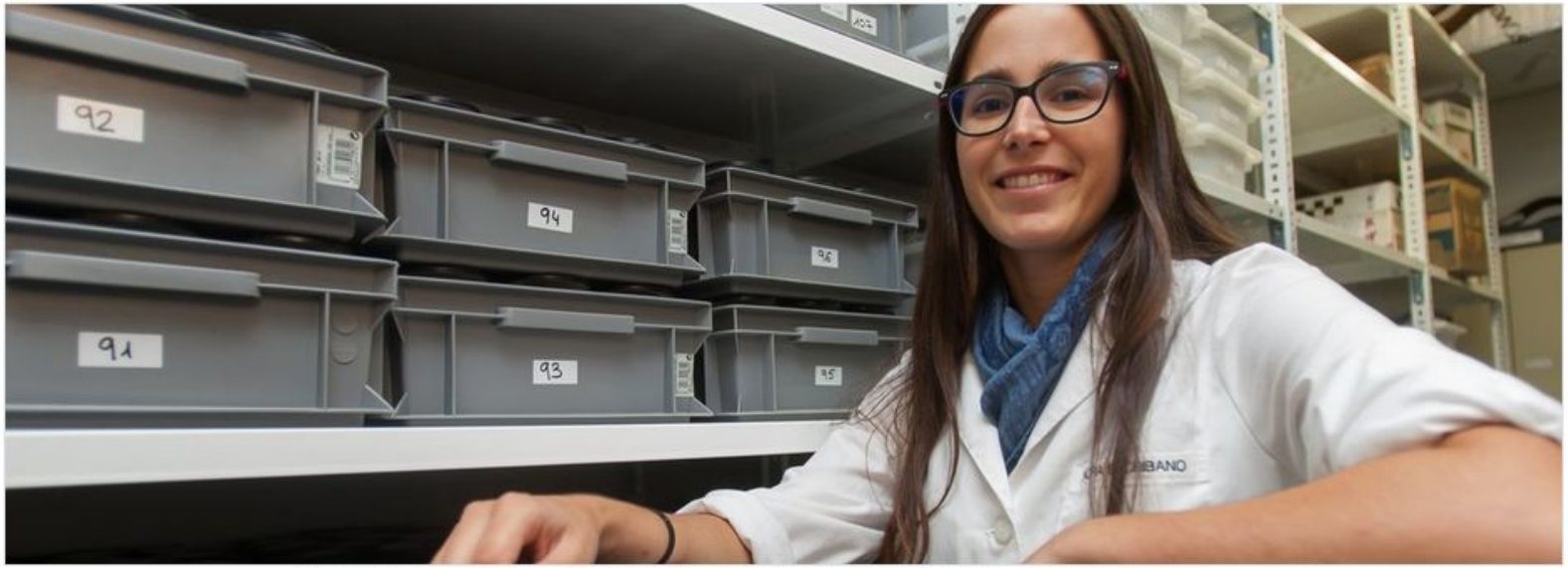
15 CESP projects on the LAC region

GBIF

Young Researchers Award

Young Researchers Award

This annual award aims to foster innovation in the use and mobilization of biodiversity data shared through the GBIF network.



2017 Young Researchers Award winner Nora Escribano, in the stacks at the Museum of Zoology, University of Navarra, Spain.

GBIF

Young Researchers Award

Since 2010, 2 awards by year.

9 of 18 awards for the LAC region

- Argentina
- Brazil
- Colombia
- Mexico
- Venezuela

GBIF

Biodiversity Information for Development

Regional project: 1 National projects: 3 Small projects: 4

€ 312,000 to eight projects in seven Caribbean countries

Ebbe Nielsen Challenge

2020 Ebbe Nielsen Challenge seeks open-data innovations for biodiversity

Deadline for GBIF's annual open-ended incentive prize: 27 July 2020

GBIF

Ebbe Nielsen Challenge

Since 2015

2 awards for the LAC region

- Brazil
- Colombia

Mara (*Dolichotis patagonicus*) Utracán, AR. G.M. Alonso (CC-BY-NC)

Gracias
Thank You
Dank Je
Obrigado
Danke
Multumesc
Grazie
Spasibo
Juspaxar
Chokrane
Arigato
Kiitos
Merci
Matondo
Mochchakkeram
Vinaka
Welalin
Kia Ora
Mamana
Terma Kasih
Ua Tsaug Rau Koj
Nirringrazzjak
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Asante
Chokrane
Mochchakkeram
Raibh Maith Agat

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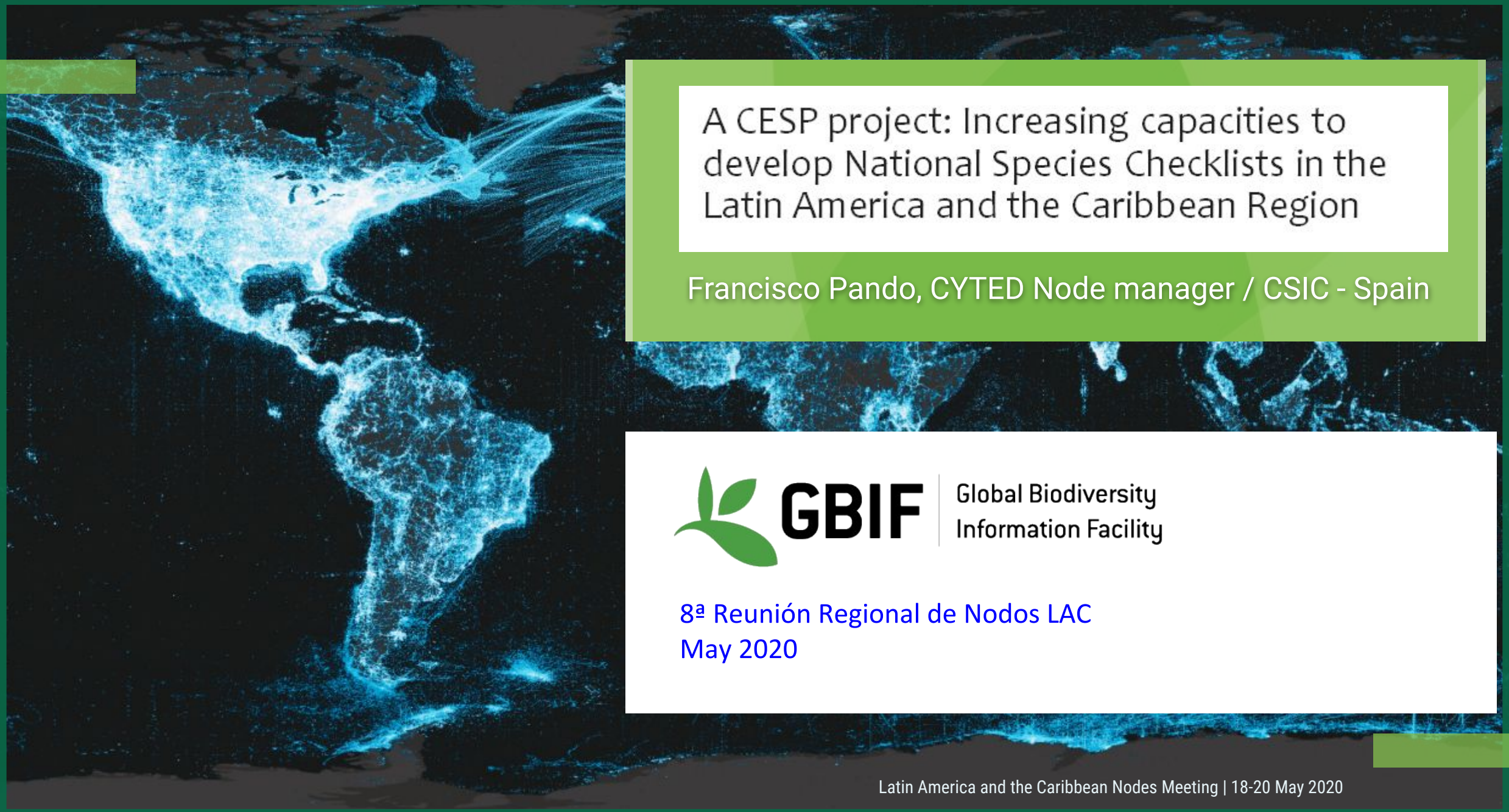


A CESP project: Increasing capacities to develop National Species Checklists in the Latin America and the Caribbean Region

Francisco Pando, CYTED Node manager / CSIC - Spain

GBIF Global Biodiversity Information Facility

8ª Reunión Regional de Nodos LAC
May 2020

CONTEXT

- Species checklists are a key component of any biodiversity information system.
- Species checklists are needed for many activities, scientific and otherwise (management, policy making, citizen science, etc.).
- Species checklists are diverse: In scale (local, national, regional), thematic (invasive, endemic, medicinal species, vernacular names), etc.
- Species checklists know-how is heterogeneous in the region.
- There is value in having shared methods, shared checklists at regional level
- Currently: no common standards, compiling a regional list difficult

Costa Rica

PROJECT OBJECTIVES

1. Define consensual procedures and requirements supported by existing and proven tools (e.g. Darwin Core, IPT) that allow the integration of different checklists built with a shared methodology and homogeneous quality standards. Also, the validation of other data sets and support the generation of value-added data products (GBIF Implementation Plan 2017-2021, Task 2.b.iii)
2. Identify all the activities concerning checklist development within the LAC region and their convergence points.

PARTNERS

Anabela Plos (PI). Argentina. MACN-CONICET ● Leonardo Buitrago, Dairo Escobar. Colombia ● Francisco Pando. CyTED ● Jose Clavijo. AndinoNet ● Diana Hernández. México ● Andrea Nunes, Rafaela Forzza. Brazil ● Leisy Amaya. Chile ● Néstor A. Acosta. Ecuador ● Harol Gutiérrez. Peru ● Hugo Ignacio Coitiño. Uruguay ● Leslie Melisa Ojeda. Guatemala.

9 (8+1) Countries + 2 Organizations

Perú

MAIN ACTIVITIES AND RESULTS

The means:

- Monthly meetings via Skype
- Workshop (MACN, Buenos Aires, March 12-14. 2019)
- Survey
- Train the trainers actions

The results:

(tangible)

- Report (ESP, PRT, ENG)
- Pilot checklists

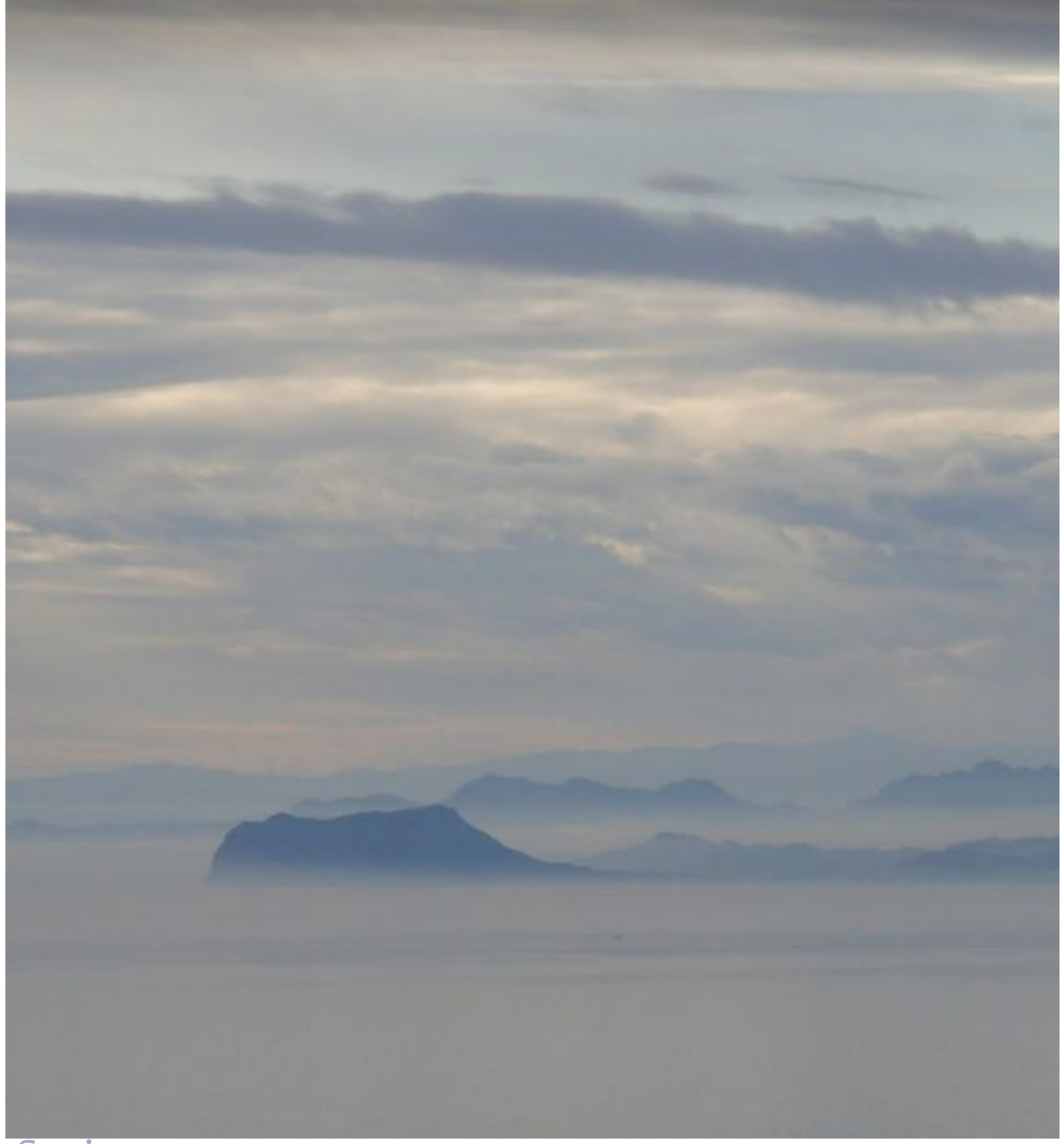
(intangible)

- Mutual learning, consensus building

Argentina

PROJECT IMPACTS

- A cadre of people with the know-how to develop check-lists and to train students and professionals
- Document of the consensual procedures and requirements in Spanish, Portuguese and English
- An structured approach to checklists types
- A regional overview of species checklists, and associate capacity (Survey & analysis)
- 11 pilot checklists



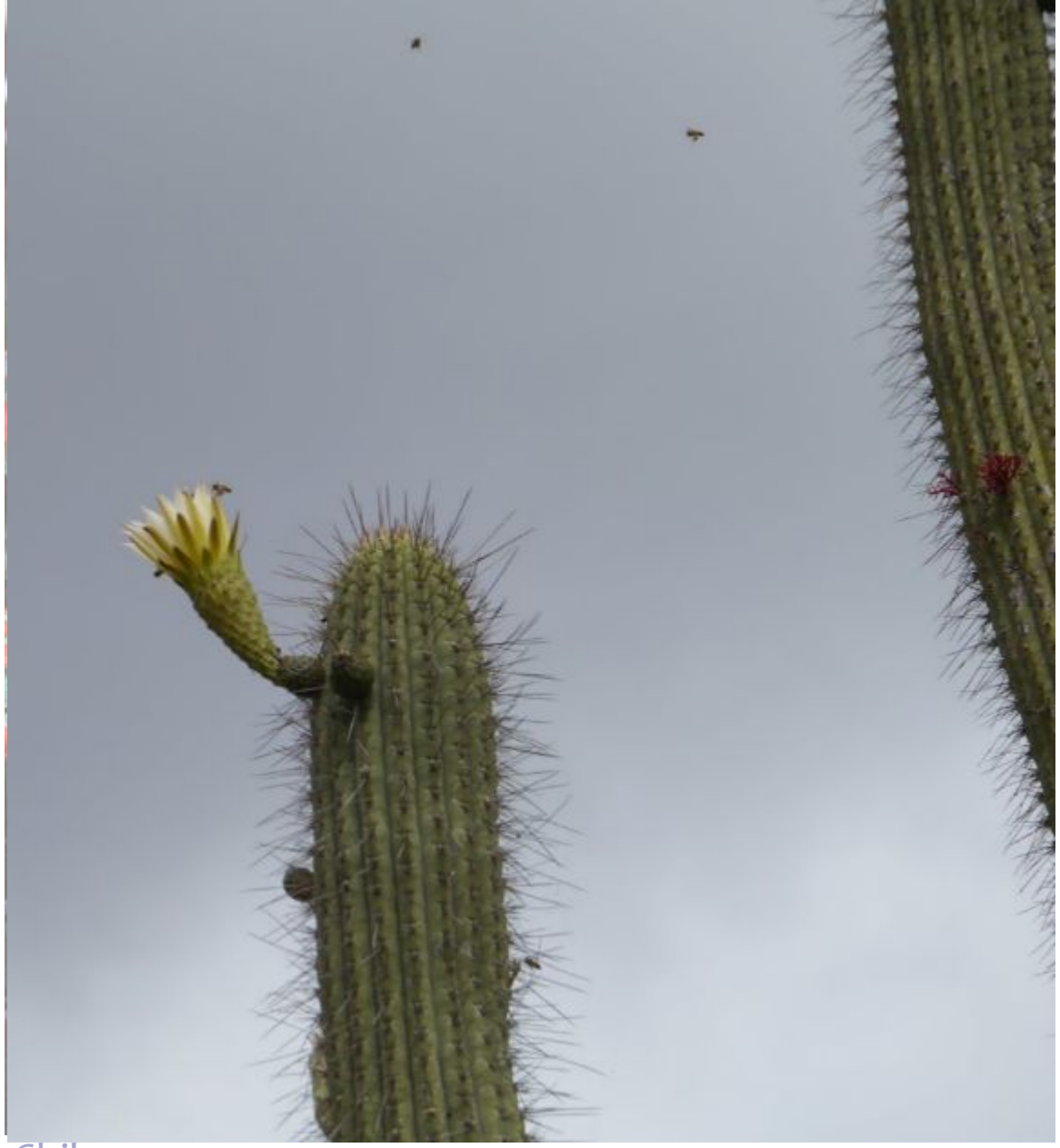
Spain

BEST PRACTICES & LESSONS LEARNED

Species checklist are diverse and subjected to many requirements scientific and otherwise. One size does not fit all.

Define clear requirements before pulling together (or even expertise). Recommendations and checklist classification produced.

Extracting species checklists from other sources (specimens, literature) as secondary datasets --as done by Pazi– may be counter-productive and confusing for the end user and the original authors. Context and proper credit are essential.



Chile

LAST SLIDE

- Aligned with GBIF Implementation Plan 2017-2021
- Responding to country needs
- Adding value at regional level
- Low cost, high return (but)

More info:

ttps://www.gbif.org/es/project/1tM8FmqzlyGMmUiIMaaSsI/increasing-capacities-to-develop-national-species-checklists-in-the-latin-america-and-the-caribbean-region#about

Anabela Plos > plos@macn.gov.ar

Paco Pando > pando@rjb.csic.es

Colombia

Biodiversity data for improving natural resources management

Elma Kay & Ivanna Waight-Cho, University of Belize Environmental Research Institute

BID | Biodiversity Information for Development

This programme is funded by the European Union

Project objectives

- Mobilize approximately 70% of Belize's existing unsystematized bird data through eBird and GBIF
- Analyze and disseminate results to improve natural resources management

Main activities and results

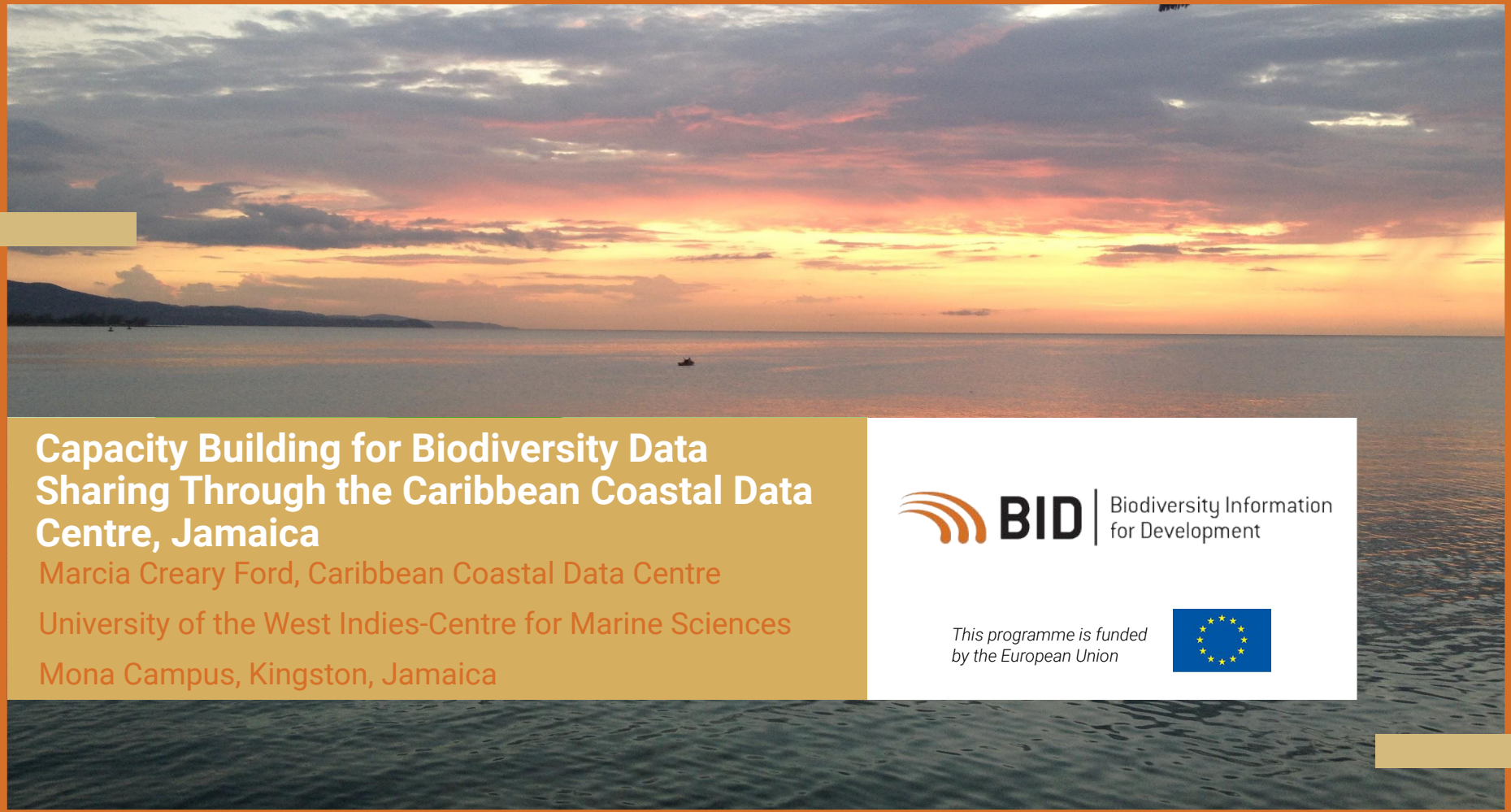
- 93,207 unsystematized records identified and 31% mobilized
- Data sharing protocols created and agreements implemented with 4 NGO partners
- Partnered with Cornell Lab of Ornithology to deliver data mobilization and data analysis training to 19 and 12 NRM professionals

Project impacts

- Belize has capacity for mobilizing biodiversity data into global platforms (eBird & GBIF)
- Data quality standards are now clear and in place for bird data
- Collaborative network for bird monitoring and capacity building established

Best practices & lessons learned

- Best to invest upfront in establishing quality standards for data collection and digitization
- Collaborative networks are needed for sustainability



Capacity Building for Biodiversity Data Sharing Through the Caribbean Coastal Data Centre, Jamaica

Marcia Creary Ford, Caribbean Coastal Data Centre

University of the West Indies-Centre for Marine Sciences

Mona Campus, Kingston, Jamaica

BID | Biodiversity Information for Development

This programme is funded by the European Union

Project objectives

Caribbean Coastal Data Centre:

The Caribbean Coastal Data Centre (CCDC) of the Centre for Marine Sciences (CMS), archives data on the coastal and marine resources for more than 30 countries in the Caribbean. The main areas of focus are the provision of data management services and technical support to coastal and marine projects in Jamaica and the wider Caribbean

Project Objectives:

To enhance the capacity of the CCDC to organize and manage primary biodiversity data about the marine environments of Jamaica and the Caribbean.

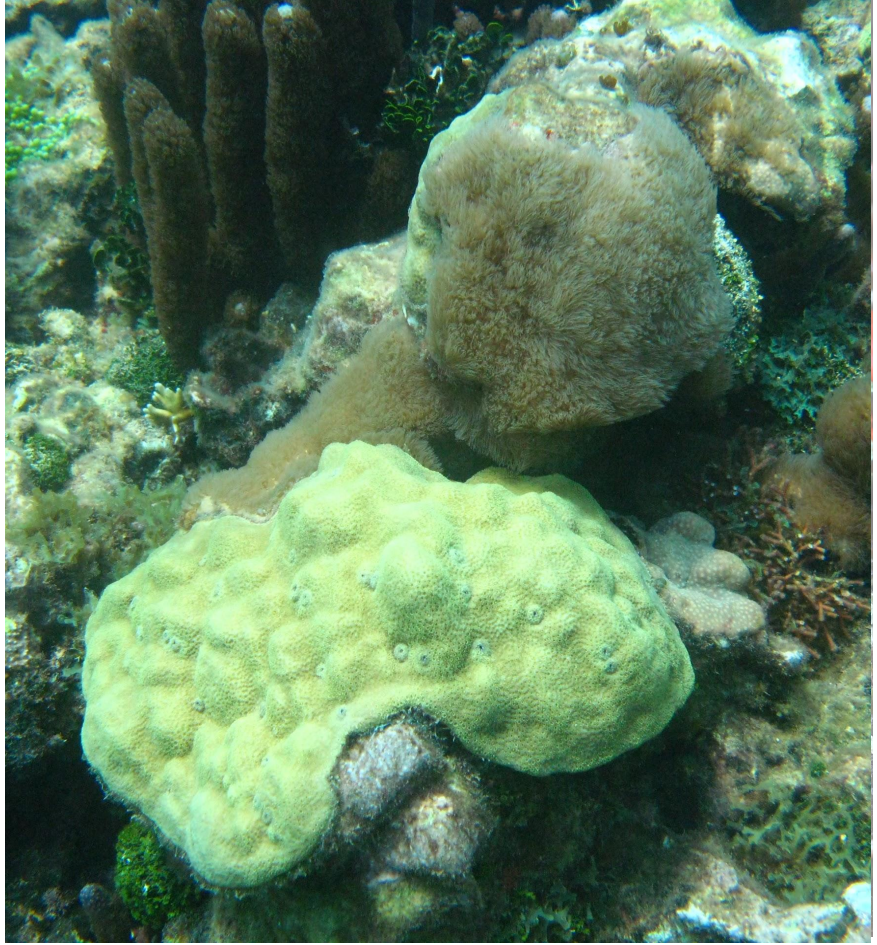
Collaboration:

Discovery Bay Marine Laboratory (DBML)

Port Royal Marine laboratory (PRML)

Alligator Head Marine Laboratory (AHML)

Climate Change Division, Ministry of Economic Growth and Job Creation (CCD-MEGJC)



Main activities and results

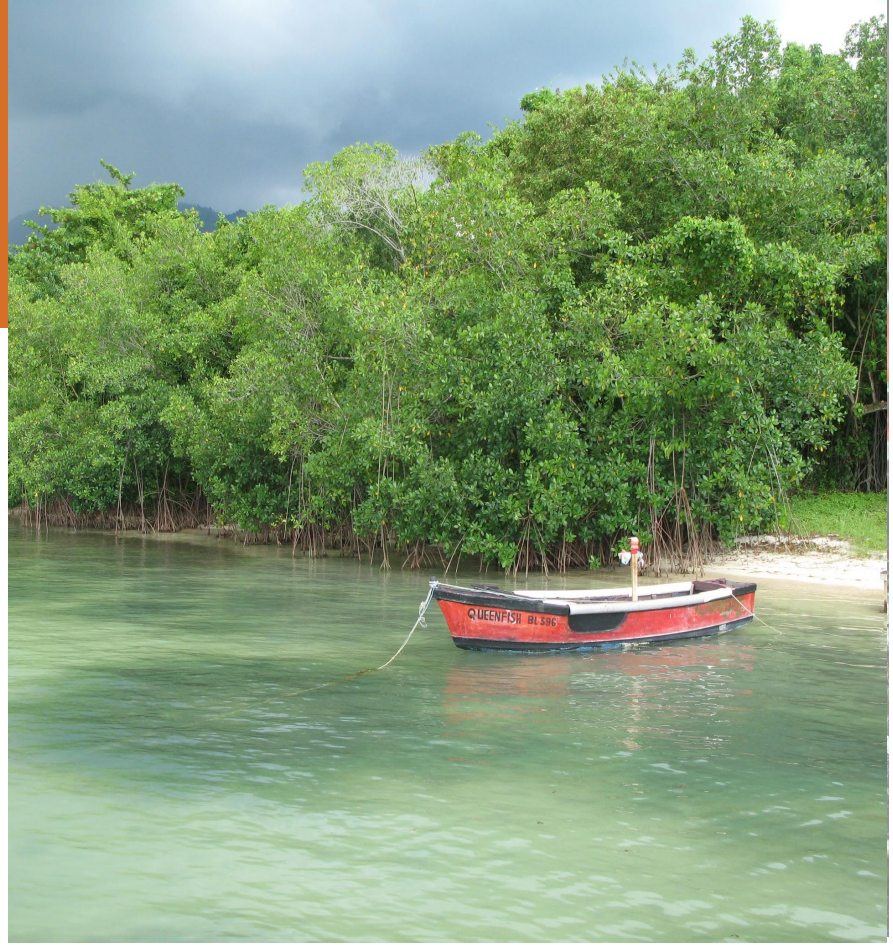
- Data Management Policy and Plan
  - Data holdings and needs
  - CCDC Data Inventory
- Computer System Upgrade
- Stakeholders Consultations/Training Workshops
  - Stakeholders - 13 participants
  - Workshop - 2 ½ days, 11 participants
- Digitize and Publish Data
  - 5 dataset published (corals, fish, mangroves, herbarium)
- Promotion and Feedback
  - UWI Research Data Management Project
  - Jamaica Statistical Society
  - Marine Environmental Data and Information Network (MEDIN), St Lucia
  - Climate Change Focal Point Network Jamaica

Project impacts

- Better appreciation by stakeholders and workshop participants of the importance of proper data management
- 5 academic staff publications
- 18 Citations
- Digitizing of historic biodiversity data (ongoing)

Best practices & lessons learned

- Publishing for marine research and monitoring project data is challenging
- Better understanding of what is required to to publish data
- The value of comprehensively documenting metadata
- The value of publishing biodiversity data online



The 2017/18 Regional BID project of the Caribbean

Paul Ouboter, Institute for Neotropical Wildlife and Environmental Studies (NeoWild)

BID | Biodiversity Information for Development

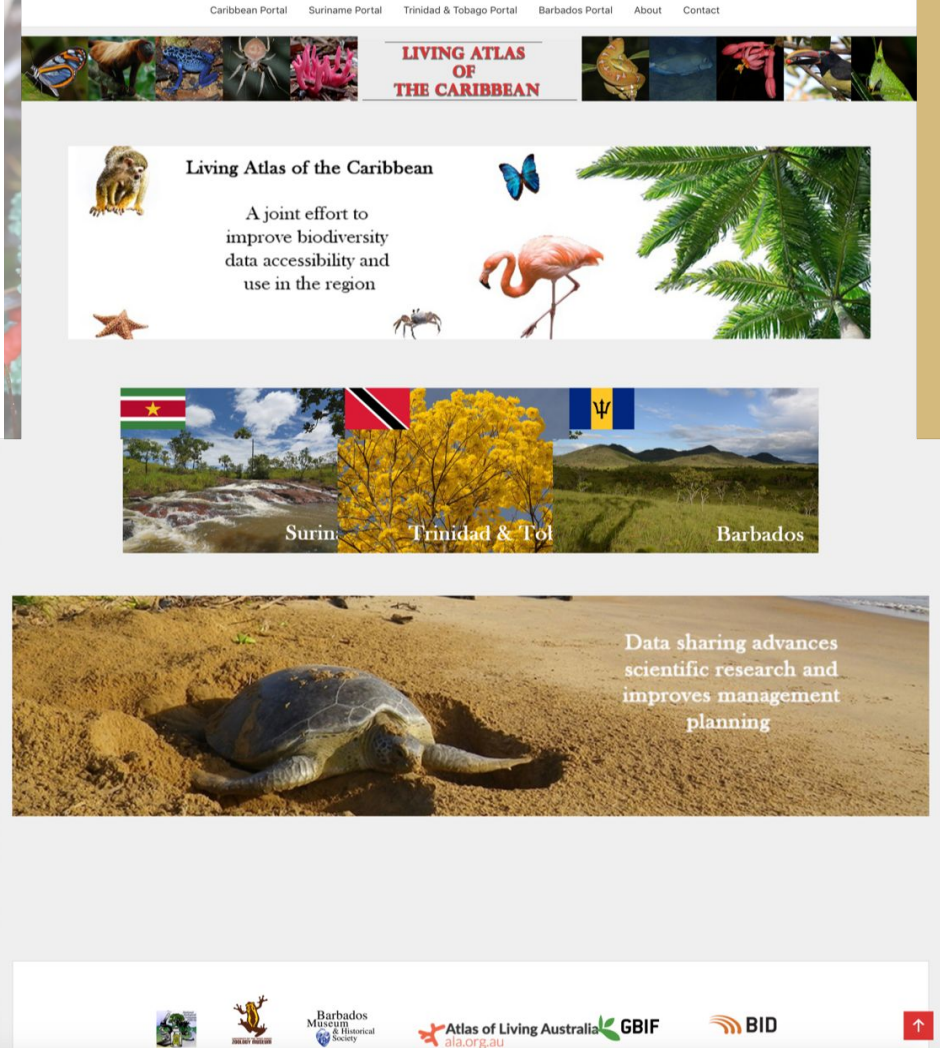
This programme is funded by the European Union

Project objectives

- Establish and strengthen international collaborations to mobilize biodiversity data
- Increase the amount of biodiversity data of the Caribbean available through GBIF
- Apply biodiversity data in response to conservation priorities

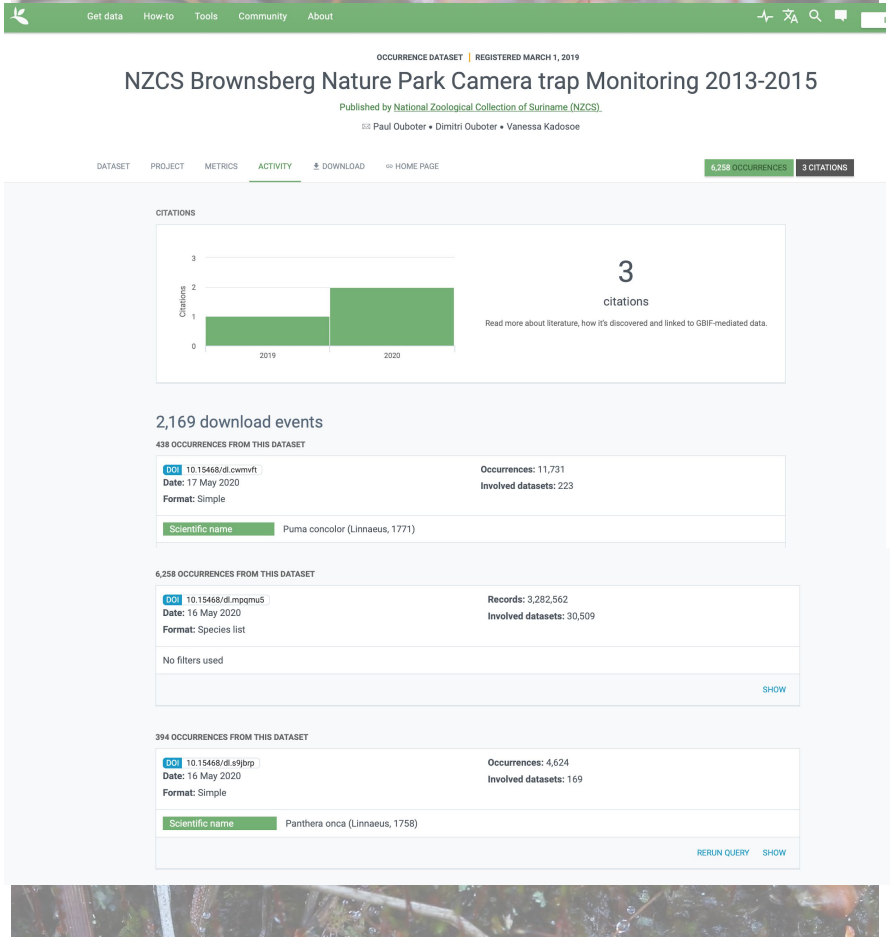
Main activities and results

- Digitizing collection specimens, field and camera trap records in Trinidad and Tobago, Barbados and Suriname: 69 data sets with 36,547 records published
- Developing a Caribbean Biodiversity portal: The Atlas of living Caribbean online since January 2019 (only data of Trinidad and Tobago, Barbados and Suriname for now)



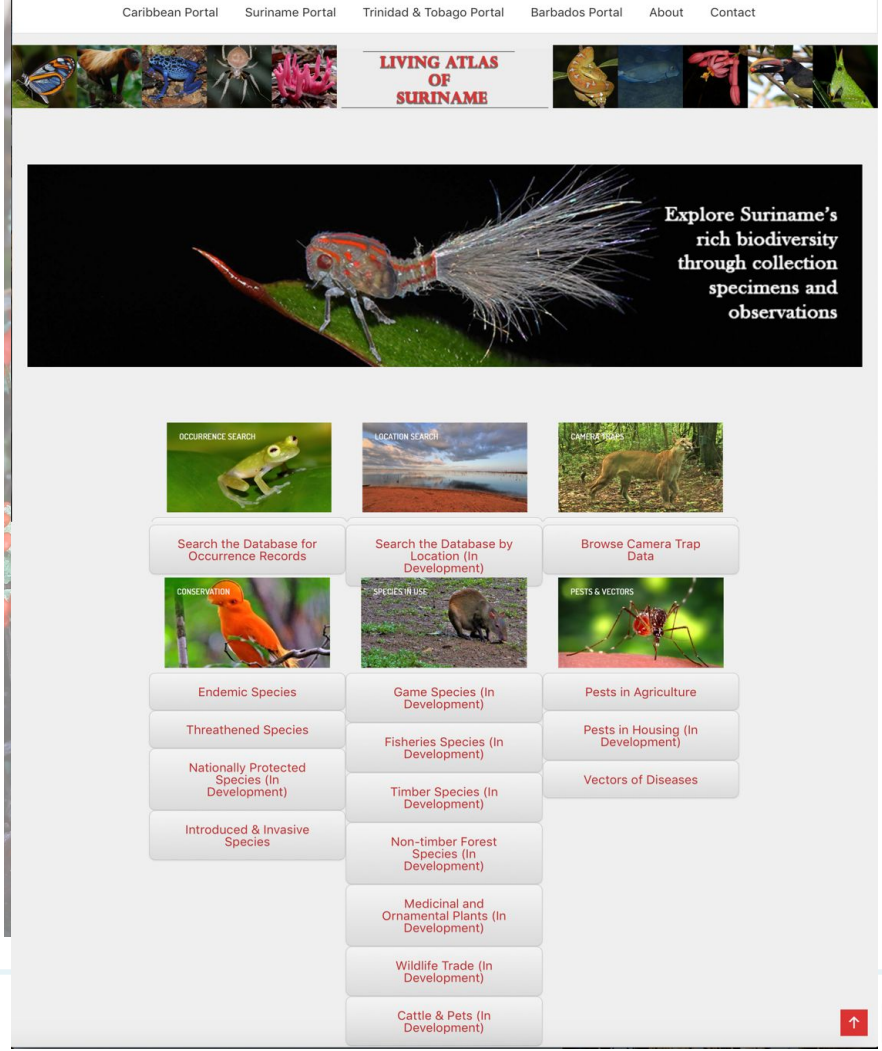
Project impacts

- Data published on GBIF is used by ourselves and others
- Digitization is continued
- Atlas of Living Caribbean is used by policy makers



Best practices & lessons learned

- Digitizing is successful using a number of externally hired paid assistants, the process slows down when only the institute's staff is available for this activity
- Developing an ALA from scratch is difficult. Therefore the strategy to develop only one for the use of all countries of the Caribbean seems to be the right strategy.



Plans for the future

- Regional project with more Caribbean countries
- Project will support digitization in participating countries
- Goal is to include as many countries in Atlas of Living Caribbean

BID Regional Engagement Webinar for Latin America and Caribbean

Miguel Fernandez

NatureServe
Connecting Science With Conservation

MBON
Marine Biodiversity Observation Network

119 organizations composed of 57 governmental agencies, 23 universities and research institutes, and 39 non-governmental organizations

2000+ participants and 15 global webinars

KBA

Key Biodiversity Areas training and workshops
in Bolivia, Peru, Ecuador and Colombia

nature ecology & evolution

PERSPECTIVE

https://doi.org/10.1038/s41559-019-0826-1

OPEN

Essential biodiversity variables for mapping and monitoring species populations

Walter Jetz[1*], Melodie A. McGeoch[2], Robert Guralnick[3], Simon Ferrier[4], Jan Beck[5], Mark J. Costello[6], Miguel Fernandez[7,8,9], Gary N. Geller[10], Petr Keil[11], Cory Merow[1], Carsten Meyer[11,12], Frank E. Muller-Karger[13], Henrique M. Pereira[11,14,15], Eugenie C. Regan[16],

Workflows

OXFORD ACADEMIC

BioScience

Overview Articles

Using Semistructured Surveys to Improve Citizen Science Data for Monitoring Biodiversity

New data sources

STEVE KELLING, ALISON JOHNSTON, ALE[illegible] BONN, DANIEL FINK, VIVIANA RUIZ-GUTIERREZ, RICK BONNEY, MIGUEL FERNANDEZ, W[illegible]Y M. HOCHACHKA, ROMAIN JULLIARD, ROLAND KRAEMER, AND ROBERT GURALNICK

Biological Conservation 235 (2019) 157–163

Contents lists available at ScienceDirect

Biological Conservation

journal homepage: www.[illegible]sevier.com/locate/biocon

ELSEVIER

Decision making

Mainstreaming biodiversity: A review of national strategies

Penelope R. Whitehorn[a], Laetitia M. Navarro[b,c], Matthias [illegible]hriver[d], Miguel Fernandez[e,f], Xavier Rotllan-Puig[g], Alexandra Marques[h]

[a] Karlsruhe Institute of Technology KIT, Institute of Meteorology and Climate Research Atmospheric Environmental Research (IMK-IFU), Kreuzeckbahnstraße 19, 82467 Garmisch-Partenkirchen, Germany
[b] German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Deutscher Platz 5e, 04103 Leipzig, Germany
[c] Institute of Biology, Martin Luther University Halle-Wittenberg, Am Kirchtor 1, 06108 Halle (Saale), Germany
[d] UFZ – Helmholtz Centre for Environmental Research, Department of Ecosystem Services, Department of Computational Landscape Ecology, Permoserstr. 15, 04318 Leipzig, Germany
[e] NatureServe, 4600 N. Fairfax Dr., Arlington, VA 22203, USA
[f] Smithsonian-Mason School of Conservation, Department of Environmental Science & Policy, George Mason University, 400 University Drive, Fairfax, VA 22030, USA
[g] ASTER-Projects, Barri Reboll 9 1r, 08694 Guardiola de Berguedà, Barcelona, Spain
[h] European Commission, Joint Research Centre (JRC), Ispra, Italy

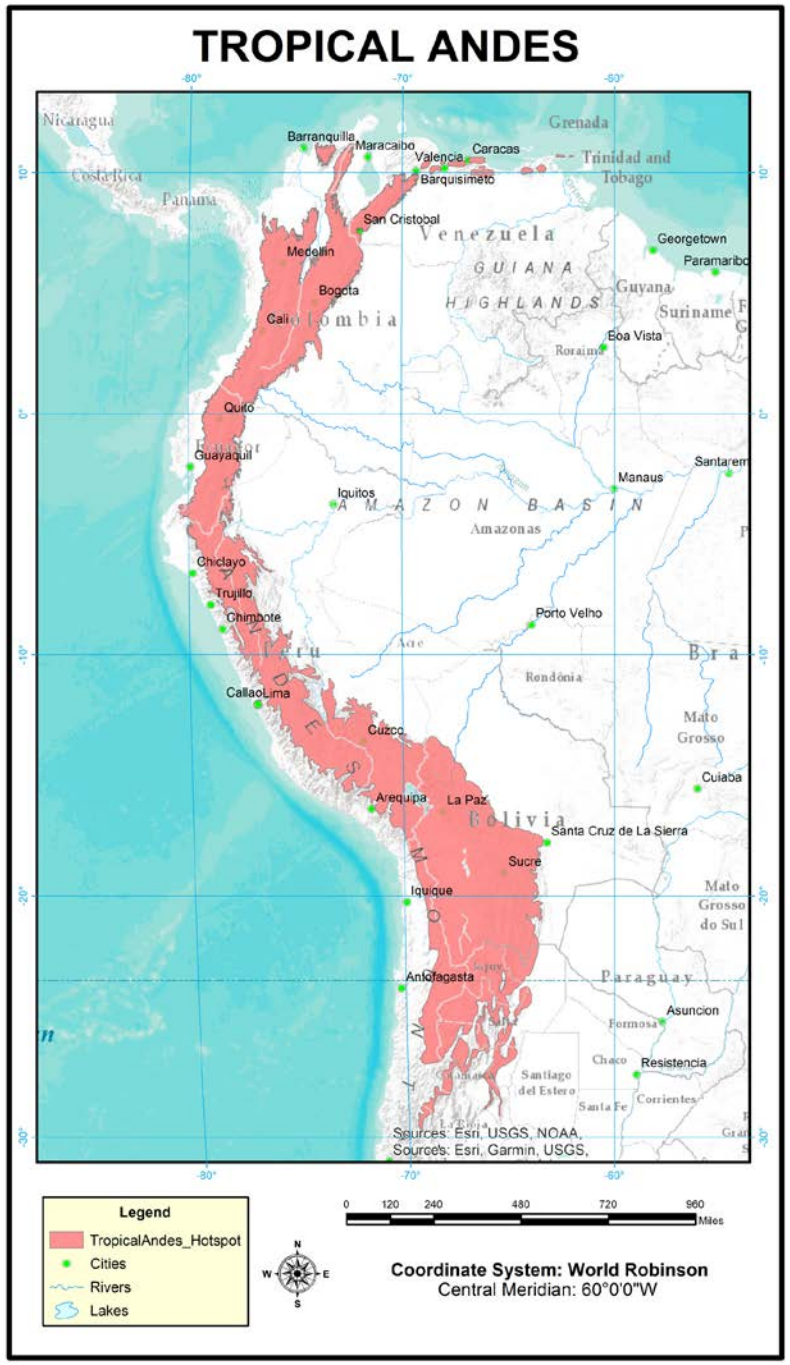
A change in the paradigm

From asking to listening

From data control to collaboration and sharing

More data ≠

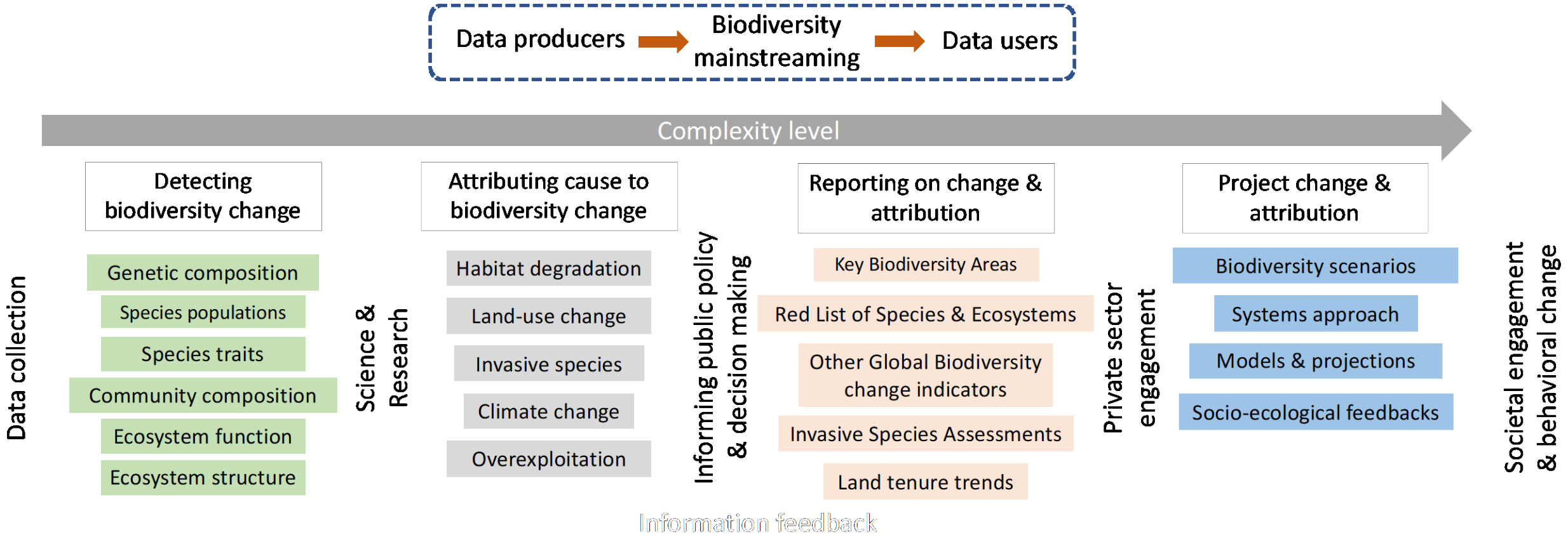
More accurate monitor and forecasting
More informed policy-making
More science and less guesswork



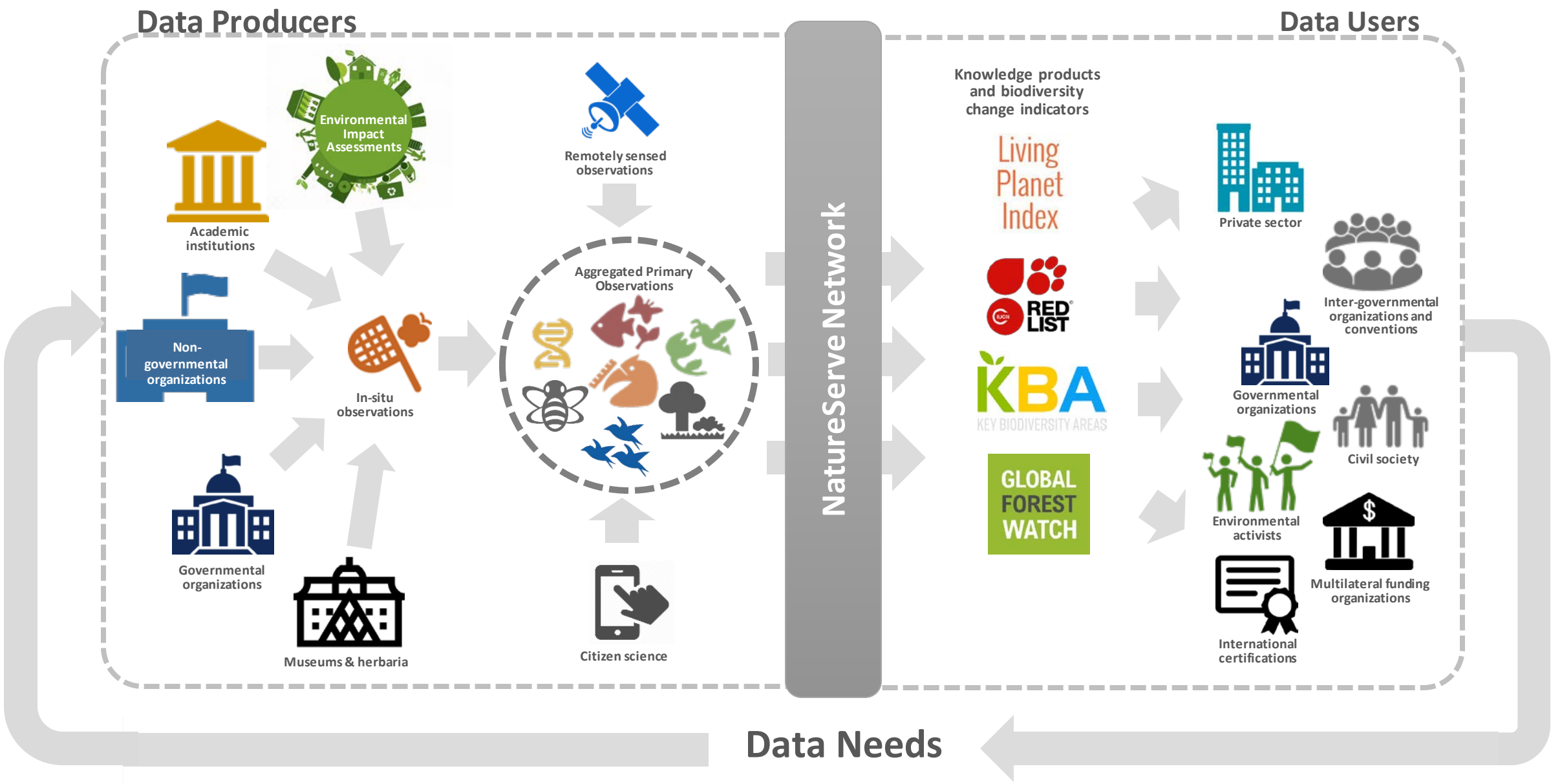
TROPICAL ANDES OBSERVATORY

ERANet LAC

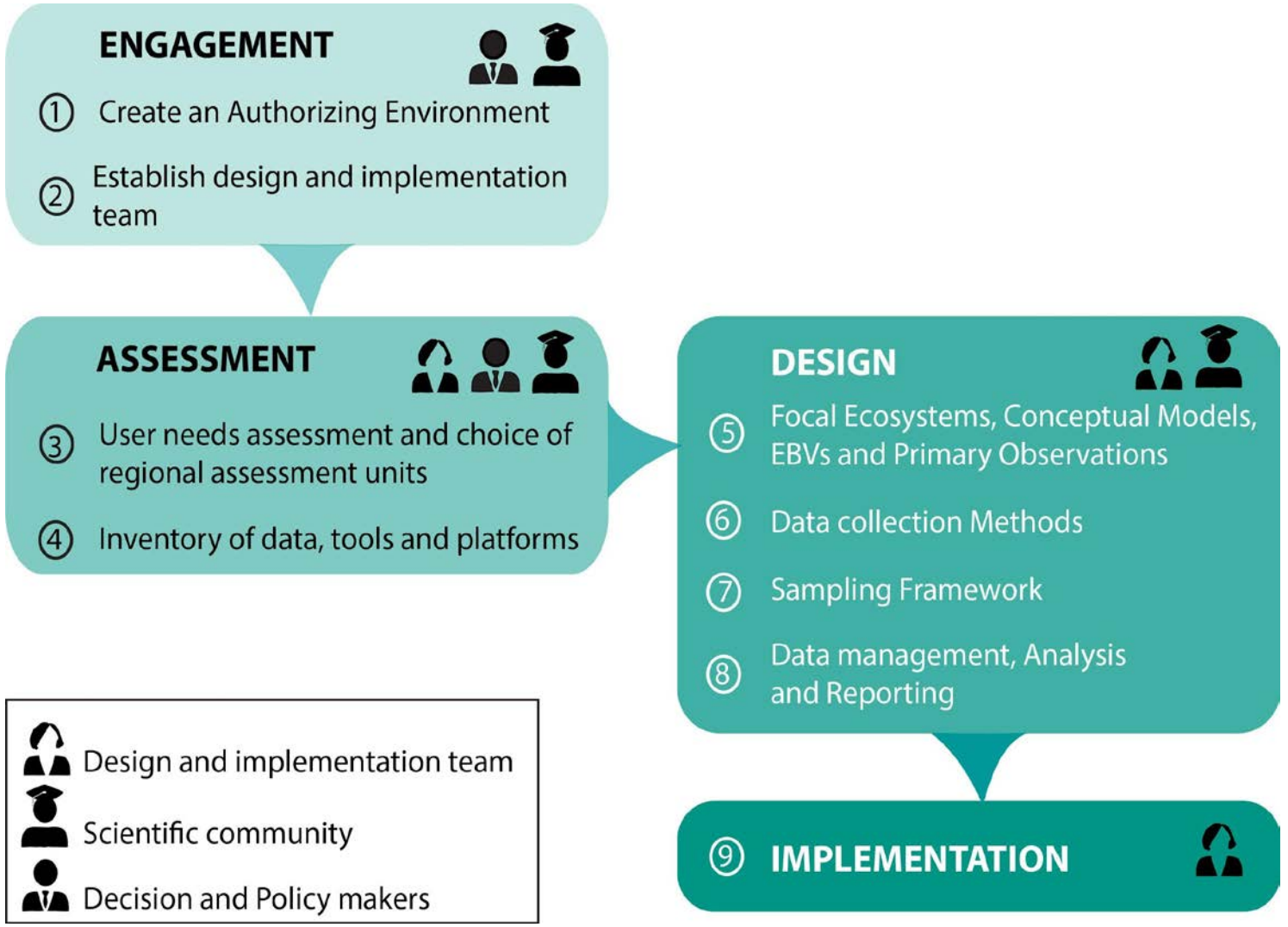
Germany – German Centre for Integrative Biodiversity Research (iDiv – GEO BON)
Peru – Asociación para la Conservación de la Cuenca Amazónica (ACCA)
Bolivia – The Asociación Boliviana Para la Investigación de Ecosistemas Andino Amazónicos (ACEAA)
Ecuador – Instituto Nacional de Biodiversidad (INABIO- EcoCiencia)
Spain – The Universidad de Córdoba (UCO)
Powered by NatureServe


Data producers
Biodiversity mainstreaming
Data users
Complexity level
Detecting biodiversity change
Attributing cause to biodiversity change
Reporting on change & attribution
Project change & attribution
Genetic composition
Species populations
Species traits
Community composition
Ecosystem function
Ecosystem structure
Habitat degradation
Land-use change
Invasive species
Climate change
Overexploitation
Key Biodiversity Areas
Red List of Species & Ecosystems
Other Global Biodiversity change indicators
Invasive Species Assessments
Land tenure trends
Biodiversity scenarios
Systems approach
Models & projections
Socio-ecological feedbacks
Data collection
Science & Research
Informing public policy & decision making
Private sector engagement
Societal engagement & behavioral change
Information feedback

Mainstreaming biodiversity information in LAC region



Meeting the Challenge: Nine Step BON Development Process

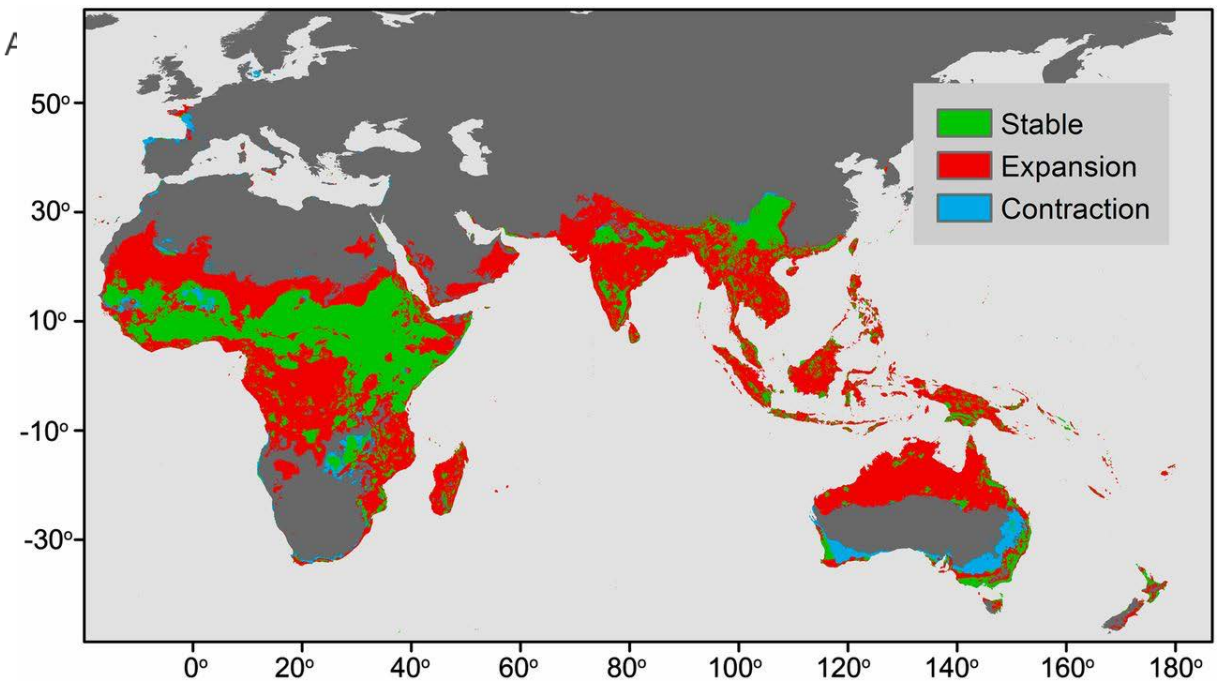


RESEARCH ARTICLE

Interdisciplinary approaches to understanding disease emergence: The past, present, and future drivers of Nipah virus emergence

Peter Daszak, Carlos Zambrana-Torrelio, Tiffany L. Bogich, Miguel Fernandez, Jonathan H. Epstein, Kris A. Murray, and Healy Hamilton

PNAS February 26, 2013 110 (Supplement 1) 3681-3688; first published A
https://doi.org/10.1073/pnas.1201243109



Financial sustainability

Move beyond projects to programs
Focus attention on the financial sustainability of network

ADB

gef

THE WORLD BANK

IDB

BANQUE AFRICAINE DE DEVELOPPEMENT
AFRICAN DEVELOPMENT BANK

GREEN CLIMATE FUND

ING

Allianz

Staying engaged in GBIF and BID

Mélianie Raymond GBIF Secretariat

GBIF Global Biodiversity Information Facility

WHAT'S NEXT?

BID call for proposals

- September call for LAC region
- Videos and webinars to support application process

GBIF community webinars

- Regular updates on GBIF activities targeting nodes and publishers

GBIF Capacity Enhancement Support Programme

- 2020 projects start in August
- Next call announced in December

GBIF representation at CBD events

- BID-related side events

The BID programme is funded by the European Union and co-funded by GBIF

WHAT'S NEXT?

GBIF 2021 regional meetings

- In-person meeting for LAC in Panama?

BID Capacity Enhancement workshops 2021

- Data mobilization and data use
- Community mentors

Regional data publishing support

- Contact helpdesk@gbif.org

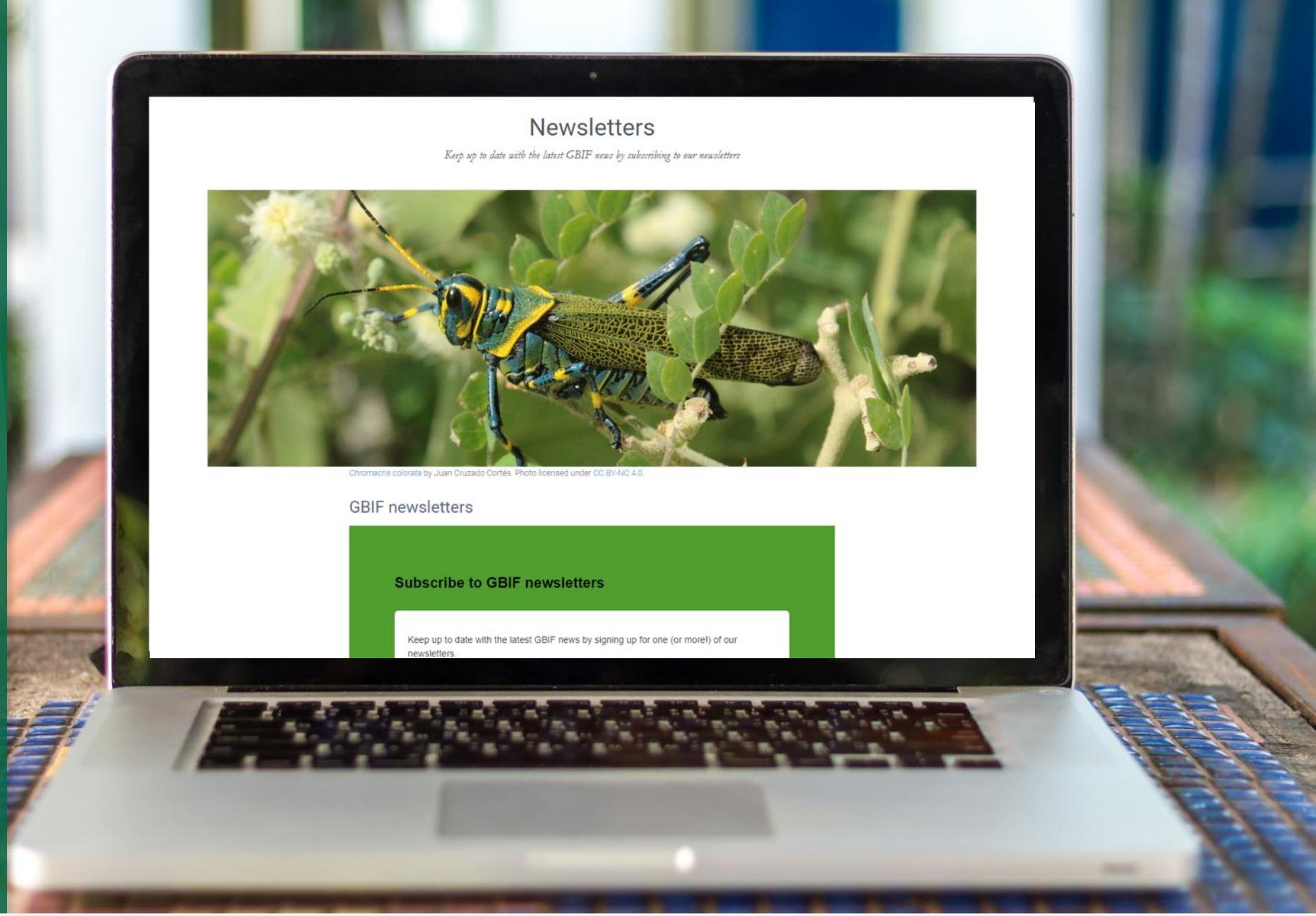
Become a GBIF Participant country or organization

- www.gbif.org/become-member
- Contact thirsch@gbif.org

The BID programme is funded by the European Union and co-funded by GBIF

STAY IN TOUCH!

- gbif.org/newsletters
- BID community mailing list
- Twitter @GBIF
- Contacts for nodes and Secretariat on GBIF.org



THANK YOU

mraymond@gbif.org