

## GBIF BENIN: MAIN ACHIEVEMENTS, PRIORITIES, & WORK PLAN FOR 2015



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# OUTLINE OF THE PRESENTATION

- **Introduction**
- **Main achievements**
- **Challenges/priorities**
- **Plan for 2015**
- **Overview on GBIF-Africa meeting**



# BRIEF PRESENTATION OF BENIN



2° - 3°30' (East long., South)

1° - 3°50' (East long. North)

6°30' – 12°30' of North Lat.

Area (112 622 km<sup>2</sup>)

Populations

Bordering countries

Climate (subequatorial in the South, tropical in the North)  
(1200 mm in the South to 600 mm in the North)

Soils (Ferralitic soils in the South, Ferruginous soils in the North)

# Introduction



- Feedback on Benin partnership in GBIF
- Main achievements
- Many thanks for partners



**Second national meeting on biodiversity mobilization**

**Theatrical presentation on the importance of biodiversity and the necessity of its preservation**



# HIGHLIGHTS OF ACHIEVEMENTS

- Purpose of the project with CR: to provide a technological package for the implementation of the National Biodiversity Information System (NBIS) of Benin
  - ▣ Infrastructure (Purchase of materials)
  - ▣ Build capacity
  - ▣ Mobilize data
  - ▣ Develop NBIS portal



# HIGHLIGHTS OF ACHIEVEMENTS: purchase of materials

## ▣ Infrastructure

- Server
- Camera
- Scanner, printer, photocopier
- Laptops
- Herbscan



# HIGHLIGHTS OF ACHIEVEMENTS : Capacity enhancement

- **(November 2012, September 2013):** Workshop on "Capacity building and data mobilization to enhance the sustainable development of Benin"
- Training on GIS. QGIS software utilization;





# HIGHLIGHTS OF ACHIEVEMENTS : Capacity enhancement

- **(November 2012, September 2013): Workshop on "Capacity building and data mobilization to enhance the sustainable development of Benin"**
  - ▣ Data collection;
  - ▣ Downloading data from GBIF portal
  - ▣ Niche modeling





# HIGHLIGHTS OF ACHIEVEMENTS : Capacity enhancement

- **(November 2012, September 2013):** Workshop on "Capacity building and data mobilization to enhance the sustainable development of Benin"
- ▣ Plant specimen digitization (National Herbarium of Benin)



# HIGHLIGHTS OF ACHIEVEMENTS: Data publication

- More than 30 000 occurrence data are published and this activity is still going on



# HIGHLIGHTS OF ACHIEVEMENTS: NBIS portal

- **NBIS portal at :**  
<http://gbif-benin.org>

- Achieved thanks to the collaborative project between Benin and Costa Rica (INBio) and funded by JRS Biodiversity foundation





# CHALLENGES / PRIORITIES

- Advance the content
  - ▣ Mobilize more data to support scientific research and decision making;
  - ▣ Clean data
  - ▣ Enhance fitness-for-use
  - ▣ Fill data gaps

occurrenceID	institutionCode	collectionID	collectionCode	catalogNumber	sex	kingdom	phylum	class	order	family	genus	subgenus	specificEpithet	infraspecificEpithet	scientificName	scientificID
1	601	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
2	901	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
3	1301	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
4	1501	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
5	2001	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
6	2501	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
7	2901	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
8	3101	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
9	3201	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
10	3301	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
11	3501	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
12	3901	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
13	4001	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
14	4101	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
15	4701	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
16	4801	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
17	5001	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
18	6301	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
19	6901	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
20	6901	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
21	1701	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
22	2002	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
23	2301	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
24	2401	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
25	2701	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
26	3902	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
27	4501	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
28	4901	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
29	5002	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
30	5701	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
31	6001	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
32	6801	Laboratoire des Sciences Forestières (LSF)				Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff
33						Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae	Acacia		caffra		Acacia caffra	Acacia caff





# CHALLENGES / PRIORITIES

- Advance informatics
- Reinforce capacity building in informatics (data publishing and infrastructure maintenance)

The screenshot shows the GBIF Benin website interface. The top navigation bar includes links for 'Accueil', 'À propos du NBIS Benin', 'Credits', and 'Actualités'. The main content area is titled 'Anopheles gambiae' and features a 'Taxonomy' sidebar on the left and a 'Specimens' table on the right.

**Taxonomy**

- Animalia (9)
  - Arthropoda (9)
    - Arachnida (3)
    - Branchiopoda (1)
    - Chilopoda (1)
    - Diplopoda (1)
    - Insecta (11)
      - Coleoptera (12)
      - Diptera (11)
        - Calliphoridae (1)
        - Chironomidae (1)
        - Culicidae (14)
          - Aedes (29)
          - Anopheles (10)
            - Anopheles arabiensis
            - Anopheles brohier
            - Anopheles brunneipes
            - Anopheles funestus
            - Anopheles gambiae
            - Anopheles gambiae

**Informations**

Spécimens	Carte	Multimédia					
Nom scientifique	Code de l'institution	Numéro de catalogue	Code de la collection	Base de registre	Latitude	Longitude	Plus
Anopheles gambiae	NICD	15	LitRev	OBSERVATION	6.4	2.51667	<a href="#">Plus</a>
Anopheles gambiae	NICD	7	LitRev	OBSERVATION	7.23333	2.0	<a href="#">Plus</a>
Anopheles gambiae	NICD	31	LitRev	OBSERVATION	11.05	0.96667	<a href="#">Plus</a>
Anopheles gambiae	NICD	29	LitRev	OBSERVATION	6.85	1.9	<a href="#">Plus</a>
Anopheles gambiae	NICD	35	LitRev	OBSERVATION	7.5	2.03333	<a href="#">Plus</a>
Anopheles gambiae	NICD	10	LitRev	OBSERVATION	8.31667	2.01667	<a href="#">Plus</a>
Anopheles gambiae	NICD	34	LitRev	OBSERVATION	6.61667	2.23333	<a href="#">Plus</a>
Anopheles gambiae	NICD	21	LitRev	OBSERVATION	8.28333	2.65	<a href="#">Plus</a>



# CHALLENGES / PRIORITIES

- Advance engagement
  - ▣ Consolidate partnership with national institutions working in the field of biodiversity
  - ▣ Enhance capacity of the staff members of partner institutions at national level



# CHALLENGES / PRIORITIES

- Advance engagement
  - ▣ Develop strategic cooperation with universities and research institutions
  - ▣ Enhance project elaboration and submission at sub regional and regional levels
  - ▣ Promote in-depth capacity building in biodiversity informatics



# PLAN FOR 2014-2015

- **Achieve the new JRS project through its main objectives:**
  - ▣ Extend and consolidate partnerships with Beninese institutions working in the field of biodiversity
  - ▣ Mobilize more plant and animal data
  - ▣ Mobilize global data for Benin
  - ▣ Advance Beninese capacity in biodiversity analyses





# 5<sup>th</sup> Regional GBIF-Africa meeting in Benin

- 5<sup>th</sup> regional meeting in Benin (2<sup>nd</sup> – 4<sup>th</sup> July 2014)
- ▣ Launch of NBIS portal of Benin



# 5<sup>th</sup> Regional GBIF-Africa meeting in Benin

- 5<sup>th</sup>  
regional  
meeting  
in Benin  
(2<sup>nd</sup> – 4<sup>th</sup>  
July  
2014)
- ▣ Other  
side  
events







**THANKS SO MUCH**

