Mentoring Project 2014
France-Portugal-Spain

GBIF France

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SUMMARY

GBIF France:
✓ Institutional framework and Structure
✓ Data mobilisation
✓ Infrastructure
✓ Cooperation
✓ Mentoring
✓ Training
✓ Communication
✓ Futur Challenges
FRAMEWORK and STRUCTURE

• France participated in the Forum MegaScience and then signed the three successive MoU: 2001, 2006 and 2011.

• Depending on the Ministry of Education and Research (MESR) since 2001:
  • General management of Research and Innovation (DGRI)
  • Environment sector

• The French node was created in 2006.
GBIF node was hosted by the National Natural History Museum (MNHN) since the beginning then officially integrated in the Direction of Collections of the MNHN in 2011.
Since 2013, the French node is funded via an **ANR project** (National Research Agency) called **e-ReColNat** (ANR-11-INBS-0004 e-ReColNat).

**FRAMEWORK and STRUCTURE**

**Eric Chenin (IRD)**  
Head of Delegation

**Régine Vignes (UPMC)**  
Scientific coordinator

**Anne-Sophie**  
Node Manager

**Gallien**  
Developer

**Sophie**  
Users support. Documentation.

**Marie-Elise**  
Developer. Infrastructure
DATA MOBILISATION

• Focus on both observational and collection data
• Metadata for 273 institutions and 1189 data sets
DATA MOBILISATION

Who are the 45 French data publishers?

Associations, conservatories

Universities

Museums

Research Institutes

Agregators

And even more...
DATA MOBILISATION

French data provision
INFRASTRUCTURE

- **GBIF France portal** development (lots of changes over time)

- **IPT2.1 and BioCase provider - DwC**

- **Technical support** for data publisher (IPT) and **data hosting** for:
  - few French institutions
  - Benin (until mid 2014), Cameroon, Guinea and Togo

- **Metadata catalogue** on line in EML format (on French institutions which have collection specimens, observational metadata are collected by the ministry of Environment)

- Development of **tools**:
  - “**simple-harvest**” tool for indexation (available in GBIFLab)
  - “**SAGG**” for Statistics and Analyses of Gaps on GBIF. This tool provides statistics and new data visualization to evaluate the biases in the results of the requests.
COOPERATION

At national level:

- Cooperation with **INPN (National Inventory of natural Heritage) and SINP - MEDDTL** (ministry of ecology) on metadata, architecture, standards to optimize data flow at national level,

- **e-Recolnat**: national support for digitalization and management of collection (ANR project, 16 millions for 5 years),

- **FRB : Ecoscope, Biovel**: Foundation for Research on Biodiversity. Association of different research organizations, universities and museums,

- **CNRS : RBDD (network of data base) - UMS BBEES**, 

- **FCBN (Federation of National Botanic Conservatories)**….

- Creation of a GBIF user group.
- Digit call: 11 projects
COOPERATION

At European level: OpenUP project (open-up.eu)

Help to integrate new multimedia objects: images, texts, sounds and videos on biodiversity in the Europeana website (www.europeana.eu).

3 years (march 2011 - february 2014), 23 partners, 12 countries
Développement Durable
Complete, Consolidate, Valorise the achievements of SEP
22 countries involved

**SEP-CEPDEC project:** strengthen computer skills in biodiversity informatics in 22 francophone countries in Africa and Asia.

- **Western Africa:** Benin, Burkina Faso, Ivory Coast, Guinea, Mali, Mauritania, Niger, Senegal, Togo
- **Middle Africa:** Burundi, Cameroon, Congo, Gabon, RCA, RDC, Rwanda, Chad
- **South-East Asia:** Cambodia, Laos, Vietnam
- **Indian Ocean:** Comoros, Madagascar
SEP: objectives and results

Objectives:

- Scientific capacities, biodiversity informatics
- Links between scientific, actors and stakeholders,
- Knowledge, preservation, and valorization of botanical biodiversity
- Defend the interests of countries in international events

Results:

- Awareness raised in 22 countries
- Operational node in 7 countries
- 3 new members: Mauritania, Togo & CAR
- Numerous countries membership underway
  - Senegal, Rwanda, RDC, Congo, Gabon, Comoros, ...

- Training benefit for GBIF France team
- Methodology benefit for GBIF Secretariat
Objectives:
the academic and research Institutions:

Go into action on conservation issues and valorisation,
Learn how to better exchange and work with the private sector,
Structure themselves to valorize their knowledge,
Secure their long-term funding

Budget: 5,3 M€ ; 2015 - 2020

Official launch of SEP2D during the UNESCO meeting, 22-25 Septembre 2014:
« Quels botanistes pour le 21ème siècle ? »
Capacity development

Broader scientific community

Central thematic : tropical botany

All pertinent activities

South-South networking, multilateral scale

international framework

Major development issues
Activities

Public-private partnership: pilot operations

Mines

Forestry / REDD+

Agrobiodiversity

Cosmetics and pharmaceuticals

Projects on correlated thematic topics

Support for collections

GBIF: Involvement & extension for abundance data portal

Workshops, conferences, CBD meetings

Trainings: academic and technic
MENTORING

• **2010-2011: GBIF Togo – GBIF France**:  
  To enable the Togolese node, with GBIF France as mentor node, to acquire an organization and technical know-how to start autonomously GBIF activities.

• **2011: GBIF Centrafrique – GBIF Cameroun and GBIF France**:  
  To enable the node of RCA, with GBIF Cameroon and GBIF France as mentor nodes, to acquire an organization and technical know-how to start autonomously GBIF activities.

• **2013-2014: GBIF France, GBIF Espagne et GBIF Portugal**  
  Exchange of expertise on data quality, crowdsourcing and visualisation
TRAINING

• training: **Data Quality Workshops** with Arthur Chapman. MNHN, Paris, juillet 2010

• **SEP-CEPDEC trainings**: 3 trainings on West africa, Central Africa and Madagascar and then 1 in Paris: publication and uses of biodiversity data. 2009-2010.

• **Nodes training**: publication of biodiversity data in GBIF and fitness for use. Museo das sciencias naturales, Buenos Aires, 28-30 septembre 2011. GB18

• Workshop on **persistent identifiers**. MNHN, Paris, 27 june 2012

• **Training on data quality, publication and fitness for use**. MNHN, Paris, 15-17 octobre 2012.

• **Nodes training**: Building stronger GBIF Nodes. Berlin, 4-5 octobre 2013.

• **Training GBIF/BioVeL**: Training on data quality, publication and workflows via GBIF and BioVel tools, 24-25 mars 2014, Paris, France.
COMMUNICATION

GBIF Day - 9 december 2013

• 150 participants
• Presentation of the new GBIF portal and the activities of the French nodal point
• Interventions of our partners
⇒ Really good feedback on this day

Creation of flyers, leaflets, translation of documents (GBIF posters, Science review), goodies....

GBIF participation in the organisation committees of others specific days.
Lancement du programme Sud Expert Plantes/Développement Durable (SEP2D)

Le Ministère des affaires étrangères et du développement international, le Fonds Français pour l’Environnement Mondial et l’Agence Française de Développement, en partenariat avec l’Inst

En savoir plus
FUTUR CHALLENGES

• New Data portal

• Increase data mobilisation
• Support organisation and users, provide more feedback
• Continue the data user group, expand data types to better serve their needs

• Prepare a training program on-site and online
• Increase contents and manuals in French

• Mentoring and SEP2D

• Adapting to the new reality at national and international levels (IPBES, Lifewatch, INSPIRE, others)
THANK YOU