

Node's roles, overview of the GBIF Nodes and an example from GBIF-Spain



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CEPDEC Pilot Project in Tanzania

Training on Node Management. Dar es Salaam. Tanzania. 25-29 February 2008

Outline

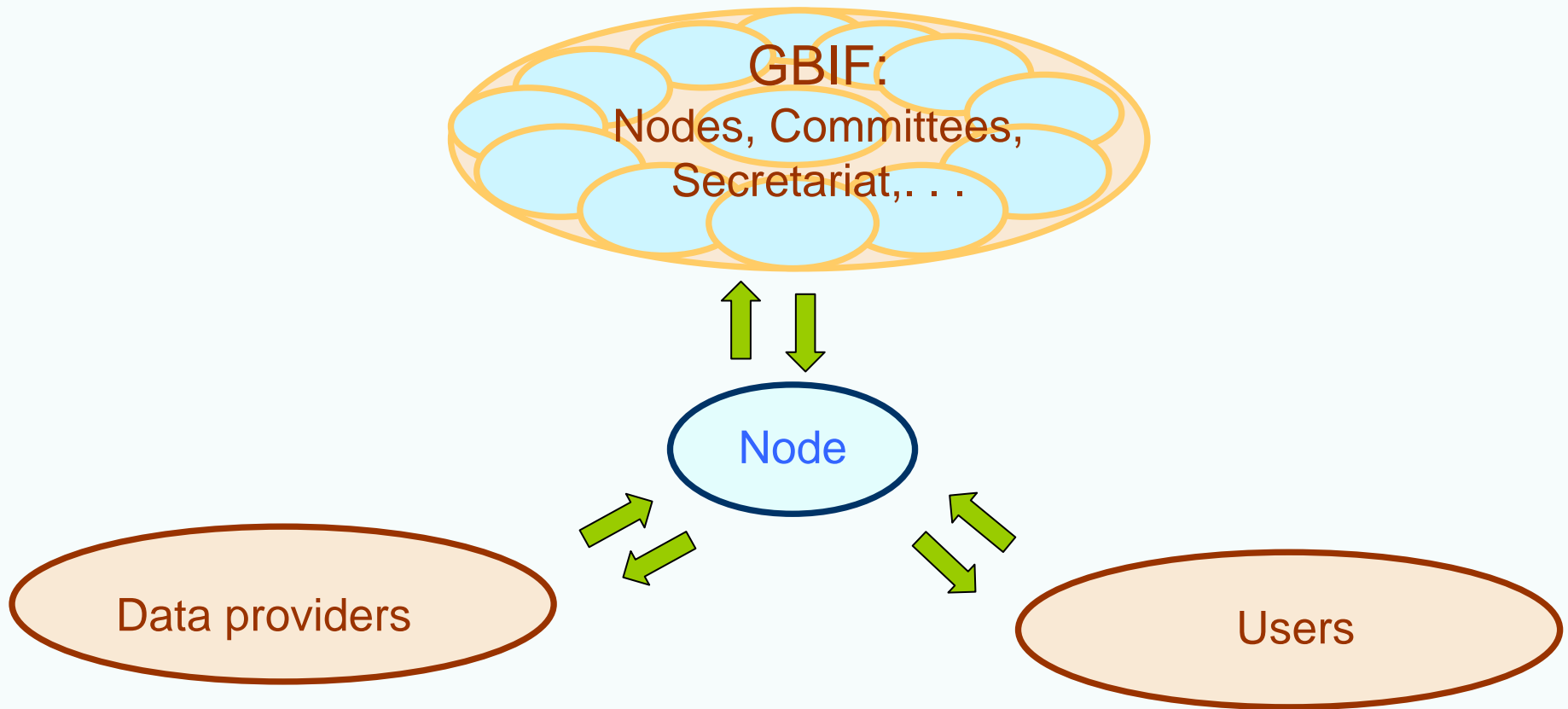
- Range of activities
- Overview of the GBIF Nodes
- Example from GBIF-Spain

What is a GBIF Participant Node

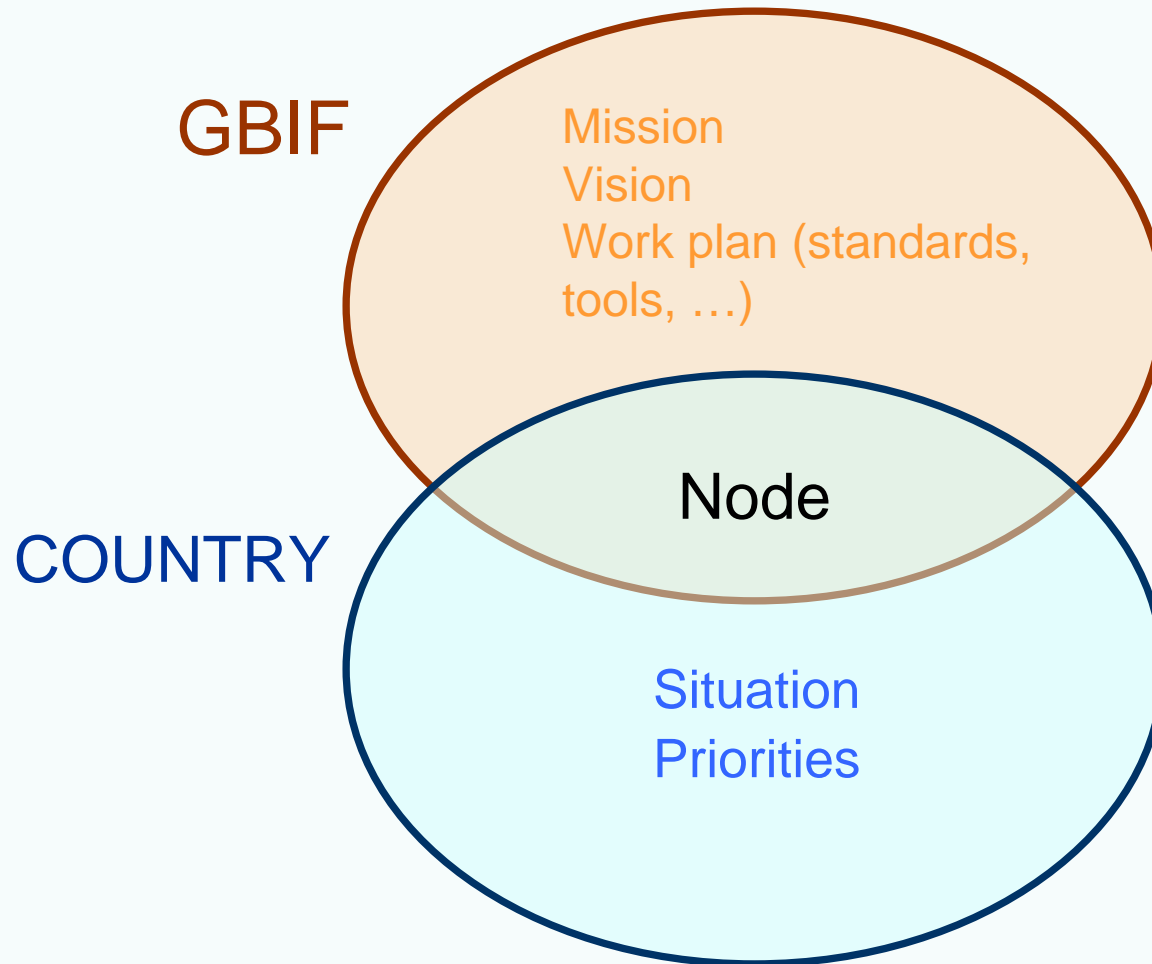
- “A mechanism by which a Participant coordinates and supports its GBIF data-sharing activities”
- A Participant Node includes both physical infrastructure and people.
- Typically a Participant Node:
 - encourages and supports the activities of the Participant’s data providers to both **contribute** and **use** GBIF-served data,
 - provides IT infrastructure and expertise for GBIF activities, and
 - functions as an information gateway among Participants, other partners, and the Secretariat.

Nodes in context

- Nodes, are central in the GBIF organizational and data architecture
- Nodes are crucial to making GBIF a megascience endeavor



Each participant node is different



Nodes are a key element in GBIF

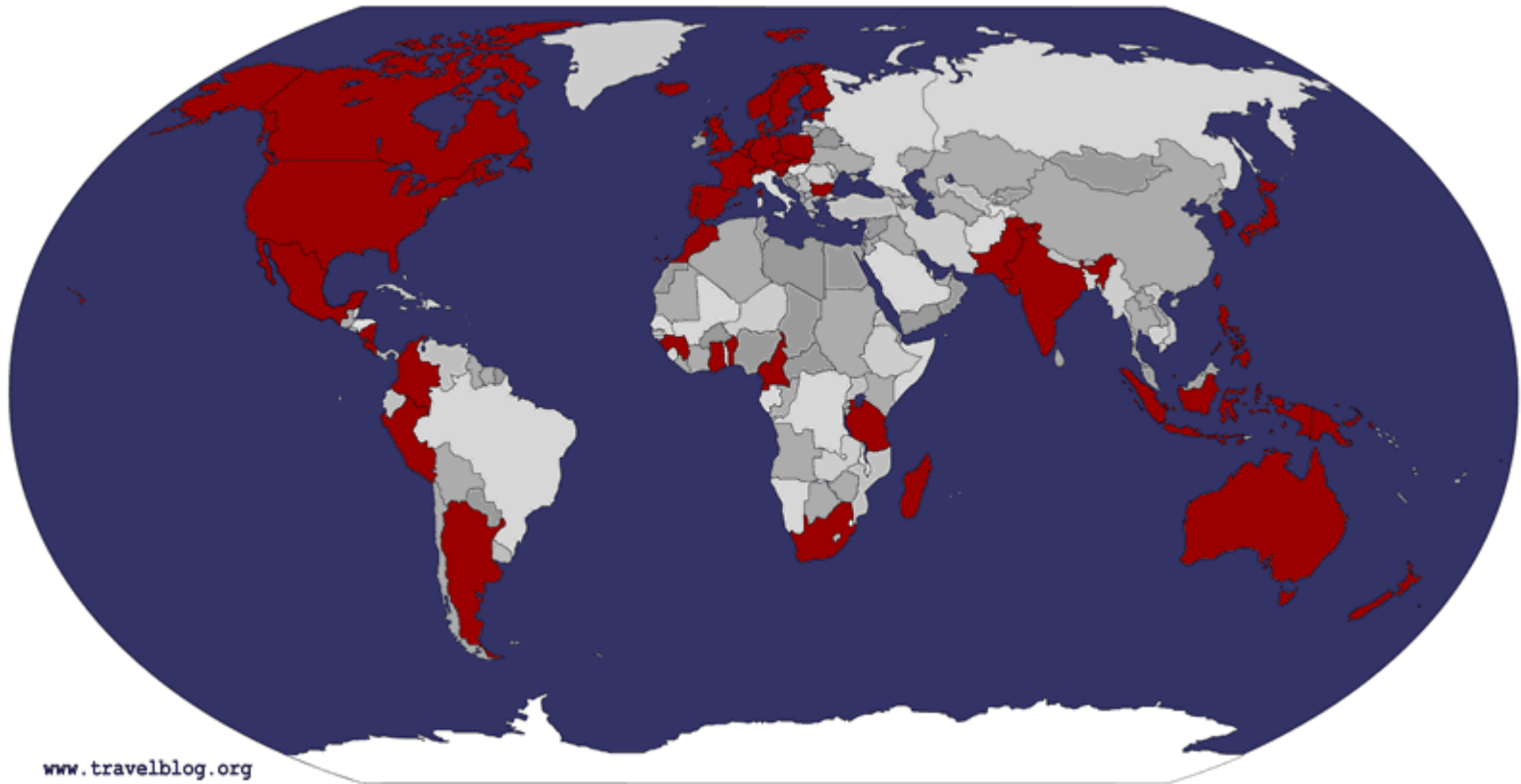
- Nodes are at the front of GBIF activities
 - Contact with the Secretariat
 - Contact with the data providers and users
- In most cases they have the only people in the country working in GBIF activities full time (\pm)
 - Experience accumulate
 - Challenge: make that experience available to other nodes

Node's range of activities

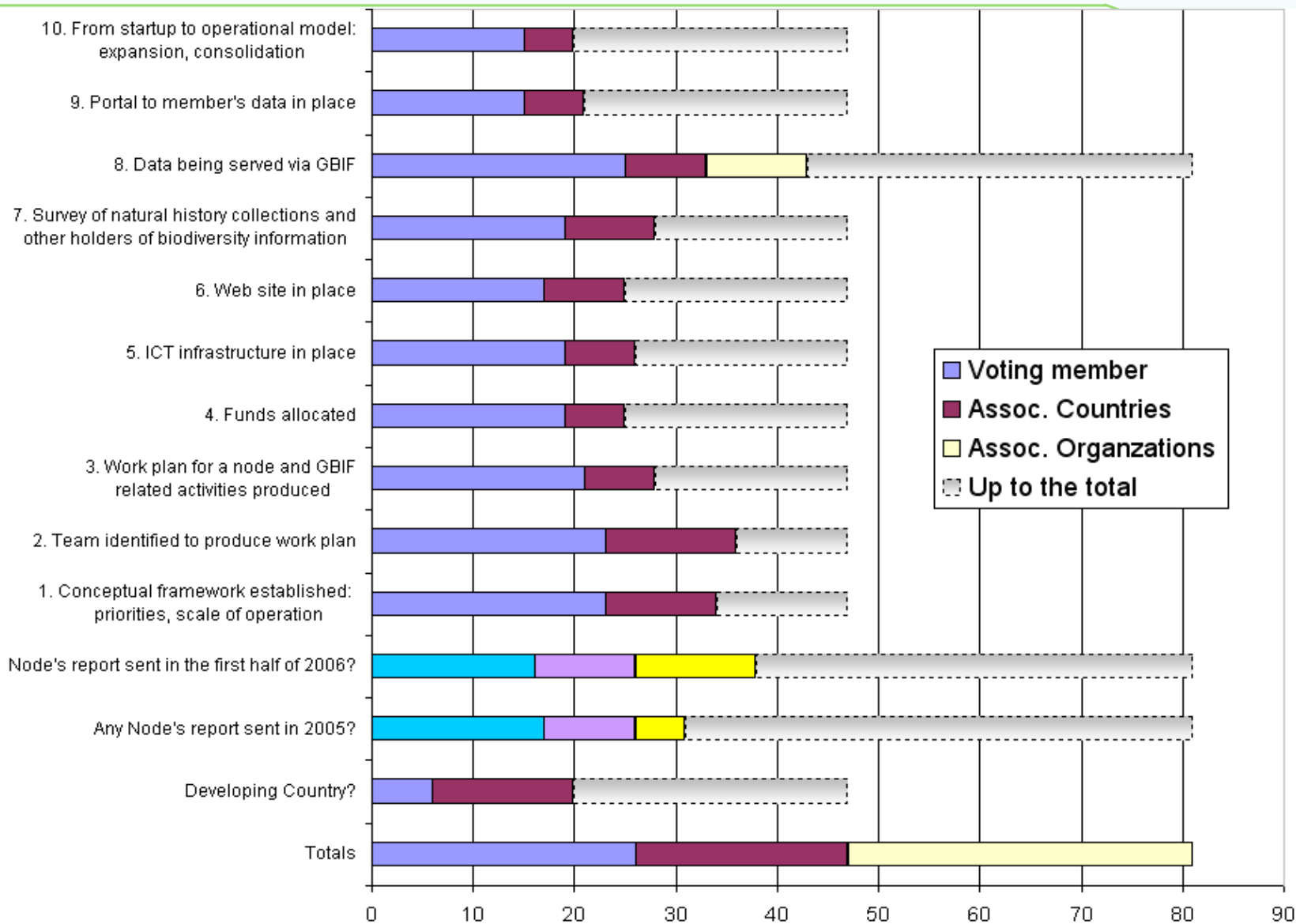
1. Web communication portal
2. Survey of natural history collections and biodiversity databases
3. Reaching out the communities
4. Facilitating participation
5. Expanding the benefits
6. Information dissemination activities
7. Participation at global level

<http://wiki.gbif.org/gbif/wikka.php?wakka=NodePortfolio>

An overview of GBIF's Nodes



Overview of GBIF Nodes



Example from GBIF-Spain



- Neutral: the node of all
- Trust. it is there to help it is not a competitor, nor a dictator, work with communities
- Perceived as a success in the country
- Legal framework
- Scale of the operation
- Key points:
 - Survey
 - Projects
 - Training

Neutral: the node of all

The GBIF.ES “Coordination Unit” (The node) has to demonstrate that:

- Is concerned with institutions from all other autonomies
 - Zoological and microbiological collections and datasets are relevant for it
 - Cares for university departments
 - Establishes contacts and collaborations with Ministry of Environment
 - Wants to work with NGOs
-

Perceived as a success in the country

- Serving the scientists
 - Provides training
 - Brings resources for the whole scientific process
 - Solve problems (technical assistance, liaisoning)
 - Keep them informed
- Fulfils the expectations of the supporting bodies
 - Better science? Better collections? International leadership?
Access to data for biodiversity conservation and management?
International Development Objectives?

<http://www.gbif.es/>

The Node has to build trust

The node is there to help; it is not a competitor, nor a dictator, it has to work to facilitate the work of the communities.

The node does not apply for grants, does not hold collections, does not use data, does not treat its host preferentially
...does not take advantage of its position

Legal framework

National Node for Biodiversity information (GBIF.ES)

- Created by Ministerial resolution
- Ministry commissions the Spanish Research Council (CSIC) the organization and coordination of GBIF-related activities in Spain
- Created with a budget
- Created as a network (Coordination U. & Institutions)
- Included a budget for stakeholders to digitalize their data
- Focus on GBIF activities
- Coordination project evaluation & follow-up

13959

RESOLUCIÓN de 12 de junio de 2002, de la Secretaría de Estado de Política Científica y Tecnológica, por la que se encomienda al Consejo Superior de Investigaciones Científicas la gestión científico-técnica del Nodo Nacional de Información en Biodiversidad para la participación en el Programa Internacional «Global Biodiversity Information Facility».

La Comisión Interministerial de Ciencia y Tecnología (en adelante CICYT) es el órgano de planificación, coordinación y seguimiento del Plan Nacional de Investigación Científica, Desarrollo e Innovación Tecnológica el cual fue establecido por la Ley 13/1986, de Fomento y Coordinación General de la Investigación Científica y Técnica. La reforma de la Ley 13/1986 por la Ley 50/1998 y el Real Decreto 1786/2000, de 27 de octubre, en el que se adoptó el acuerdo relativo a la delegación de competencias a la Comisión Permanente de la CICYT y al Ministerio de Ciencia y Tecnología (en adelante MCYT), otorga a éste la competencia de la gestión y ejecución de los programas nacionales, así como la propuesta o, en su caso, la designación, de quienes hayan de representar a España en los organismos internacionales responsable de los distintos programas. La Secretaría de Estado de Política Científica y Tecnológica (RD 1451/2000), órgano superior del Ministerio de Ciencia y Tecnología, recoge dichas competencias.

Por Resolución de 23 de mayo de 2002, del Secretario de Estado de Política Científica y Tecnológica se concede al Consejo Superior de Investigaciones Científicas (en adelante CSIC) con cargo a la aplicación presupuestaria 20.08.542, por un importe total de 336.570 euros para el desarrollo de las gestiones relacionadas con la puesta en marcha del Nodo Nacional de Información en Biodiversidad dependiente del Programa Internacional «Global Biodiversity Information Facility» (GBIF)-Sistema Mundial de Información en Biodiversidad, cuyo objetivo es la consecución de un catálogo «on line» y de libre acceso de todos los organismos vivos conocidos en un plazo de diez años a partir de la constitución del propio GBIF (marzo de 2001).

La Ministra de Ciencia y Tecnología firmó el 26 de febrero de 2001 el «Memorando de Entendimiento» entre el MCYT y el GBIF por el que España se compromete entre otras cosas a compartir sus datos de biodiversidad con el nodo central del GBIF, con sede en Copenhague (Dinamarca) y a participar y mantener un «Nodo Nacional de Información

que este último Organismo del Programa «Global Biodiversity Information Facility» en los trámites administrativos que se deriven de la misma.

De acuerdo con lo que se establece en el artículo 15 de la Ley 17/1987, del 1 de Julio, del Régimen Jurídico de las Administraciones Públicas y del Procedimiento Administrativo Común, resuelvo:

Primero.—Encomendar al Consejo Superior de Investigaciones Científicas (CSIC) la gestión científico-técnica de la información en Biodiversidad de los proyectos que hayan sido objeto de convocatoria de concursos de abastecimiento en el marco de alguna de las convocatorias de Investigación Científica, y de las resoluciones sucesivas que se deriven de la misma.

Segundo.—El CSIC facultado para la gestión de la información científica y Tecnológica, a través de los organismos que realicen informes de seguimiento y de ejecución, remitirá un informe de los trabajos realizados.

Tercero.—En el proceso de ejecución de las acciones presentadas en el marco de la convocatoria de información que estén relacionadas con la información en Biodiversidad de las convocatorias Científicas y el Ges de los Sistemas y/o de Cambio Climático por el apartado Noveno de la convocatoria.

Cuarto.—La Secretaría de Estado de Política Científica y Tecnológica nombrará al efecto un Grupo de Trabajo para la gestión del Programa GBIF dependiente de la información en Biodiversidad.

Quinto.—La presente Resolución se publica en el «Boletín Oficial del Estado».

Madrid, 12 de junio de 2002.
Suñer.



Scale of the operation

- GBIF.ES Coordination Unit: 340,000 € / yr
- Digitalization projects $\approx 17 \times 60\text{K €/Yr}$:
500K €/yr
- GBIF annual fee $\approx 150\text{K €}$

Key points:

- Survey of natural history collections & biodiversity databases
- Digitalization projects
- Training in bioinformatics

Key points: survey



Spanish GBIF Node / Nodo Español de GBIF | [Data](#) | [Funding](#) | [Participants](#) | [Software](#) | June 23, 2006

Home > Preliminary report on Spanish natural history collections > Centres Español

Search Centres:

Thanks to this form you can perform **searches on Spanish centres that house natural history collections**. If you prefer to check the **whole listing**, please [click here](#).

If you want to perform your search according to the centres' contents (keywords), please use the [GBIF.ES portal search system](#).

If you prefer to look for a **collection**, please use the [collections' search form](#).

Centre's name

City/Town

Region

Zip code

Type of search

Exact Including...

Exact

Exact

Exact

Junio 2006						
L	M	M	J	V	S	D
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5	6	7	8	9	10	11
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26	27	28	29	30		

Key points: survey

The image displays a grid of 24 thumbnail images, each representing a different survey result or data visualization. The thumbnails are arranged in a 4x6 grid. Each thumbnail contains a mix of text, charts, and maps. Key elements visible in the thumbnails include:

- Maps:** Several thumbnails feature maps of Europe, with various colored circles or regions highlighted, likely representing survey data points or geographical focus areas.
- Charts:** There are multiple pie charts and bar charts. One pie chart shows a distribution with a large green segment and smaller segments in yellow, red, and blue. Another pie chart is mostly green with a small red segment. Bar charts show vertical bars of varying heights, some with labels.
- Text:** Each thumbnail contains several paragraphs of text, which appear to be summaries or detailed findings from the survey. The text is too small to read but is organized into sections with headings.
- Layout:** The thumbnails have a consistent layout, with a title at the top, followed by text, a chart, and another text block. Some thumbnails also include small icons or logos.

Key points: projects

Global Biodiversity Information Facility in Spain

Español de GBIF | [Data](#) | [Funding](#) | [Participants](#) | [Software](#) | June 23, 2006

Home > GBIF Spain > Project Funding Español

Funding for Spanish projects



MINISTERIO DE EDUCACIÓN Y CIENCIA

Since 2003 the Spanish Government has shown a clear support for contributions to GBIF goals and has announced a new Call for '**Complementary Scientific Actions**' for 2006 included in the 2004-2007 *I+D+I National Plan* (text, in Spanish). This call is for **complementary databases within the GBIF**.

There are three periods to submit proposals:

1. From January the 1st to March the 31st, 2006.
2. **From April the 7th to July the 20th, 2006.**
3. From July the 21st to December the 30th, 2006.

The Spanish Ministry of Education and Science has issued a web page with all the information related to this call: basis, announcement, instructions, application forms and even a frequently asked questions section. You can find all the information (in Spanish) in:

<http://www.mec.es/ciencia/jsp/plantilla.jsp?area=acciones-complementarias&id=31>

The **Coordination Unit** of GBIF Spanish node is giving information and guidance to submit proposals through this period. You can contact us in **this e-mail**.

c. 15 projects a year,
c. 500,000 € a year

Key points: training

Training and outreach activities in GBIF Spain

Training and educational activities have a preponderant role among the wide range of activities organized within the GBIF framework, in order to achieve the maximum profit from this kind of international facilities. **Outreach** is also one of its cornerstones, increasing the number of members of the GBIF community, the impact of its activities, and the cost-effectiveness of the work faced by so many people in this global effort.

Outreach

The **Coordination Unit of GBIF Spain** in Spain, spreading not only the GBIF in

Training and Education

Different workshops, courses, and semi opportunities offered by GBIF:

- ◆ **Data providers** are trained in the **latest technologies** in biodiversity **data-sharing** with countries of
- ◆ **Data users** are instructed about the **tools** available to analyze data sources.

Activities

Below, you can find a list of the **activity** training courses with the participation a

JUL 2006 Course *Informàtic*

Status: **subscription open**

Venue and date: Granada (Spain), Ju

Description: This innovative course is from the **University of Granada** and and informatics applied to biodiversity to

Attendants will be introduced to the spe application to the reality of the daily work

More information (in Spanish)...

May 2006 Replica of the GBIF

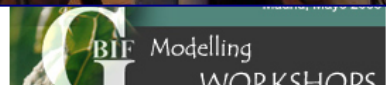
Status: **closed**

Venue and date: Madrid (Spain), May 10-13, 2006.

Description: The Coordination Unit of the Spanish GBIF Node organized a workshop adapted from the



c. 9 short courses or workshops a year



As a way of conclusion

“it is essential that all GBIF members will see this [GBIF] as a partnership. So the Secretariat Staff has to be very conscious about this: that they are not the top of an hierarchical system but are servants to the partnership ... The next problem is to make sure that national agencies, who are nodes, should also see themselves as servants to a national partnership.”

Jon Fjeldså

Copenhagen Zoological Museum

GBIF Outreach & Capacity Building Subcommittee

For more information:

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