



GBIF SPAIN, HOW DOES IT WORK?

GBIF Spain is not a team; it is 48 entities (research institutes, collections, projects, public agencies, associations,...) working for the same idea: making biodiversity data available online for better science, conservation and sustainable development. GBIF Spain is now - after 8 years since its inception - a consolidated network of people and organisations actively engaged in the mobilisation, publication and use of biodiversity data.

The glue in this endeavor is the "GBIF.ES Coordination Unit" (UdC, from its Spanish name). The UdC's mission is to support biodiversity oriented centers in their objectives as long as they include sharing data. With that mission in mind we have developed several components:

TRAINING WORKSHOPS

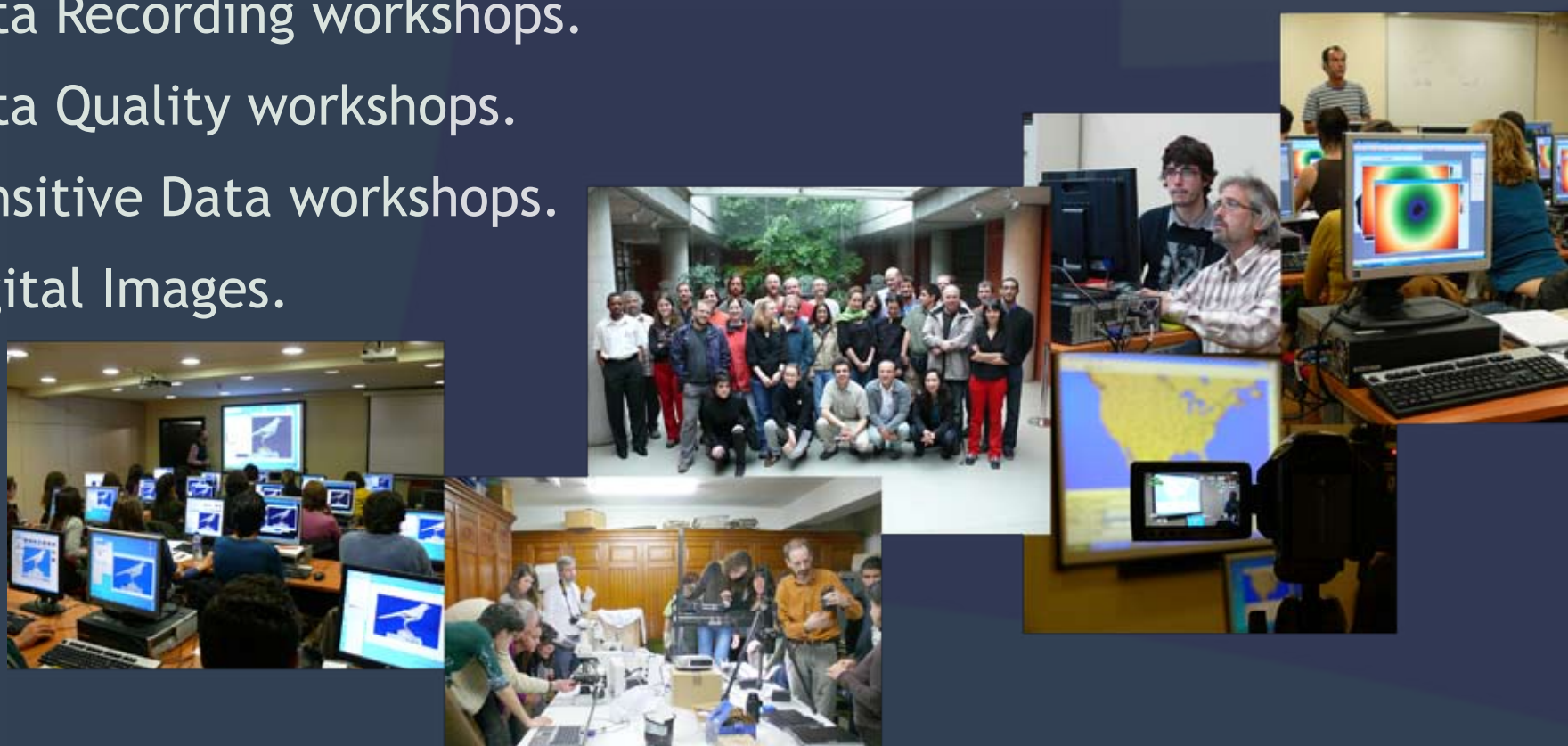
55 workshops since 2003. All materials are available on line:

Activities: http://www.gbif.es/formacion_in.php

Videos: <http://www.gbif.es/videos/videos.php>

Topics:

- Georeferencing workshops.
- Geographic Information Systems workshops.
- Ecological Niche Modelling workshops.
- Data Recording workshops.
- Data Quality workshops.
- Sensitive Data workshops.
- Digital Images.

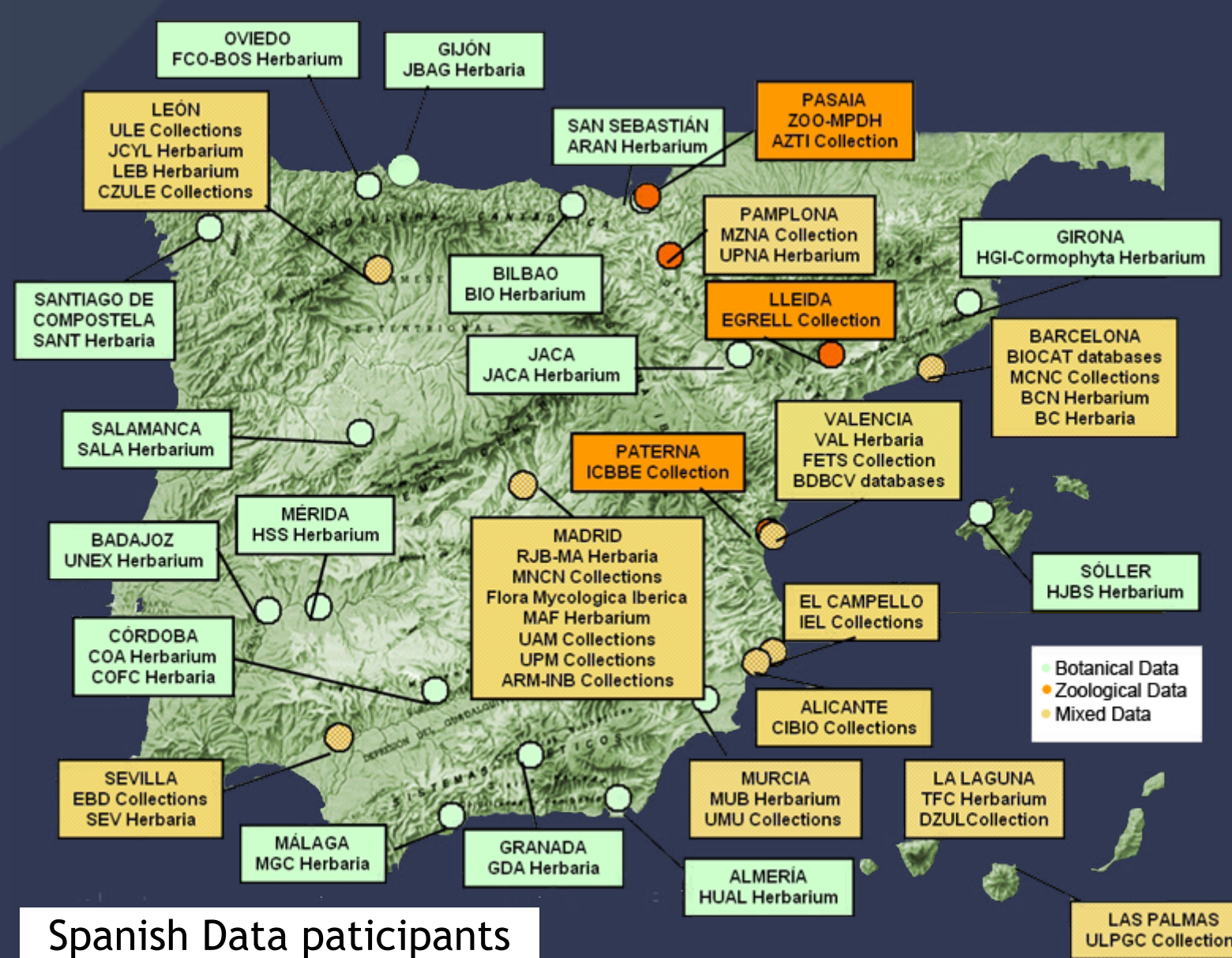


HOSTING SERVICES

- URL: <http://www.gbif.es/Servicios.php#Aloj>

Currently GBIF Spain Coordination Unit provides hosting services to:

44 out of 48 Institutions / 105 out of 110 Datasets



Spanish Data participants

...free and open access
to biodiversity data

About GBIF Spain

In 2001 The Ministry of Science and Technology commissioned the Spanish High Council of Research (CSIC) to initiate and coordinate the activities of GBIF in Spain. The CSIC, with support and advice of the National Museum of Natural Science and the Royal Botanical Garden, established the Coordination Unit which began its activities in June 2003.

From an organizative point of view, GBIF.ES is set up as a network of participant institutions and a Coordination Unit. Currently, the Spanish participants share via GBIF nearly 4 million records from 110 datasets.

The Coordination Unit Team is formed by: Katia Cezón, Álvaro Crespo, María Encinas, Marisa Leño, Carmen Lujano, Silvia Lusa, Francisco Pando and Cristina Villaverde.

About GBIF

GBIF makes digital biodiversity data openly and freely available on the Internet for everyone, and endorses both open source software and open data access.

www.gbif.org

GBIF provides scientific biodiversity data for decision-making, research endeavours and public use.

data.gbif.org

GBIF is a network of data publishers who retain ownership and control of the data they share. Linked datasets provide a more robust representation of biodiversity than any single dataset.

GBIF provides access to primary biodiversity data held in institutions in developed and developing countries. Data shared through GBIF are repatriated data.

GBIF is a dynamic, growing partnership of countries, organisations, institutions and individuals working together to mobilise scientific biodiversity data.

GBIF invites you to download species occurrence data freely and openly from <http://data.gbif.org>

GBIF invites you to join the GBIF network and share your biodiversity data, as well as participate in developing new tools and services.

PORTALS

Four are the current GBIF portals:

1. Communication Portal

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



2. Node Data Portal

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



3. GBIF Data Portal Mirror

URL: <http://es.mirror.gbif.org/>



4. Species Portal (beta version)

URL: <http://especies.gbif.es>



SOFTWARE

1. Validation software: DARWIN TEST

URL: http://www.gbif.es/darwin_test/Darwin_Test_in.php



2. GEOLocate Community



URL: http://www.gbif.es/Recursos3_in.php

In cooperation with:

The Tulane University Museum of Natural History:

URL: <http://www.museum.tulane.edu/geolocate/>

3. Collection Management software: HERBAR and ZOOBAR



URL: <http://www.gbif.es/zoobar/zoobar.php>



URL: <http://www.gbif.es/herbar/herbar.php>

Lessons learnt along the way:

- Training is an open door to the outside world beyond the educational objectives. We have got:
 - An excellent feedback from having direct contact with the users and providers of biodiversity data by which workplans and activities are shaped;
 - Incentives for researches and other producers and compilers of biodiversity information to share data;
 - Improved training methods for researches and professionals to use data online;
- GBIF is not a data aggregator is a driver of change of scientific processes and environmental management.