



**Biodiversity Data Quality Symposium:  
Developing a Common Framework to Improve Fitness  
for Use of Biodiversity Data**

March, 8<sup>th</sup> 2016, São Paulo, Brazil



# **A BIT OF CONTEXT FOR THIS MEETING**

# Biodiversity Information Standards -TDWG

- A not for profit scientific and educational association
- Mission
  - Develop, adopt and promote standards and guidelines for the recording and exchange of data about organisms
  - Promote the use of standards and
  - Act as a forum for discussion, via meetings and publications
- It is organized in Interest Groups and Task groups
- Responsible for the development of the Darwin Core
  - Set of standards to facilitate biodiversity data exchange



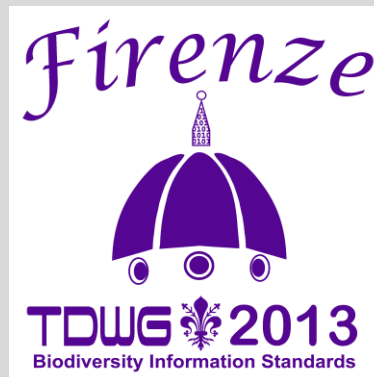
Biodiversity  
Information  
Standards  
TDWG

The logo consists of the text 'Biodiversity Information Standards' stacked vertically in a green, sans-serif font. Below this, the acronym 'TDWG' is displayed in a larger, bold, yellow, sans-serif font.

# It started in Firenze



- TDWG Meeting 2013
  - Firenze, Italy (October 28 – November 1)
  - Symposium: Biodiversity Data Quality - issues, methods and tools
    - 14 presentations, 5 hours, full rooms
  - Proposal: create an Interest Group on DQ at TDWG



# DQ Interest Group (IG)

- Objectives
  - discuss, formalize, standardize and develop
    - concepts, issues, policies, methodologies, metadata, tools and mechanisms, training
  - promote associated best practices throughout the Biodiversity Informatics community
  - Collaborate
- Charter submitted to TDWG in 2014
  - Conveners:
    - Antonio Mauro Saraiva
    - Arthur Chapman

# Global Biodiversity Information Facility

## GBIF

- Had created a DQ Interest Group
- Both groups “merged”: TDWG/GBIF IG on DQ
- Dmitry Schigel: GBIF Liaison

The screenshot shows a web browser window displaying the GBIF Community Site. The address bar shows the URL: <http://community.gbif.org/pg/groups/21292/gbiftdwg-biodiversity-data-quality-interest-group/>. The page features the GBIF logo and the text "free and open access to biodiversity data GBIF Community Site". A navigation menu includes a "Home" button. A login form is visible with fields for "Username" and "Password" and a "Log in" button. The main content area is titled "GBIF/TDWG biodiversity data quality interest group" and includes a description of the group's purpose, a photo of a magnifying glass over a document, and information about the group's owner, Alberto González Talaván, and its 97 members. A "Brief description" section is also present.

<http://community.gbif.org>

GBIF free and open access to biodiversity data  
GBIF Community Site

Home

Username  Password  [Log in](#)

**GBIF/TDWG biodiversity data quality interest group**

**Description:**  
This group aims to advance in the discussions about **quality of biodiversity data**, how to improve that quality through **data cleaning** techniques and how to evaluate and to increase the data **fitness-for-use**.

Since May 2014, this group also serves as communication platform for the **TDWG Data Quality Interest Group**.

The group picture is by Glenn Pebley (Pompano Beach, FL, USA), obtained through stock.xchng.

**Brief description:** Interest group about data quality, cleaning and fitness-for-use. TDWG data quality interest group.

**Owner:** Alberto González Talaván  
Group members: 97

Group discussion

Group pages

# Later on at TDWG



- TDWG Meeting 2014
  - Jönköping, Sweden (October 27-31)
  - 2<sup>nd</sup> Symposium: Biodiversity Data Quality - issues, methods and tools
    - 10 presentations
  - Interest Group (approved and) first meeting
    - Proposal: create three Task Groups
      - Framework for coordination
      - Tools, services and workflows
      - Use case library



**TDWG 2014**

Biodiversity  
Information  
Standards



Jönköping  
Sweden

# Information of the IG at TDWG

Biodiversity Information Standards TDWG

Home  
About TDWG  
Getting Started  
Standards  
Activities  
Annotations  
Biological Descriptions  
Biodiversity Data Quality  
Biodiversity Services & Clients  
Collections Descriptions  
Genomic Biodiversity  
Geospatial  
Global Identifiers  
Imaging  
Infrastructure Project  
Invasive Species  
Literature  
Observations & Specimens  
Phylogenetics  
Processes  
Species Information

You are here: [Home](#) > [Activities](#)

## TDWG Activities

Activities listed here relate to approved TDWG groups. The work of groups that have not yet been formalised can be found on the [TDWG Wiki](#). For further information, please [contact us](#).

Title	Type	Status	Links
BD	<a href="#">Biological Descriptions Interest Group</a>	Interest Group	Open <a href="#">Wiki</a>
BDQ	<a href="#">Biodiversity Data Quality Interest Group</a>	Interest Group	Open
DQ-F	<a href="#">BDQ Framework</a>	Task Group	Open
DQ-TSW	<a href="#">BDQ Tools, Services &amp; Workflows</a>	Task Group	Open
DQ-UCL	<a href="#">BDQ Use Case Library</a>	Task Group	Open
BSC	<a href="#">Biodiversity Services &amp; Clients</a>	Interest Group	Open
GBWG	<a href="#">Genomic Biodiversity Working Group</a>	Interest Group	Open <a href="#">Wiki</a>
GIG	<a href="#">Geospatial Interest Group</a>	Interest Group	Open <a href="#">Wiki</a> <a href="#">Mailing List</a>
IMG	<a href="#">Imaging Interest Group</a>	Interest Group	Open <a href="#">Wiki</a> <a href="#">Mailing List</a>
MRTG	<a href="#">Multimedia Resources Task Group</a>	Task Group	Open <a href="#">Wiki</a>
ISIG	<a href="#">Invasive Species Interest Group</a>	Interest Group	Open <a href="#">Wiki</a>
LIT	<a href="#">Literature Interest Group</a>	Interest Group	Open <a href="#">Wiki</a> <a href="#">Mailing List</a>
NCD	<a href="#">Natural Collections Descriptions Interest Group</a>	Interest Group	Open <a href="#">Mailing List</a>

Mostrar todos os downloads...



# Meanwhile at GBIF

- Support two task groups
  - Task Group on GBIF Data Fitness for Use in [Species Distribution Modeling](#)
  - Task Group on GBIF Data Fitness for Use in [Agrobiodiversity](#)
- What are the needs, in terms of Data Quality, for those two usages of data?

# TDWG

TDWD  
DQ-IG

TG1-  
Framework

TG2-Tools..

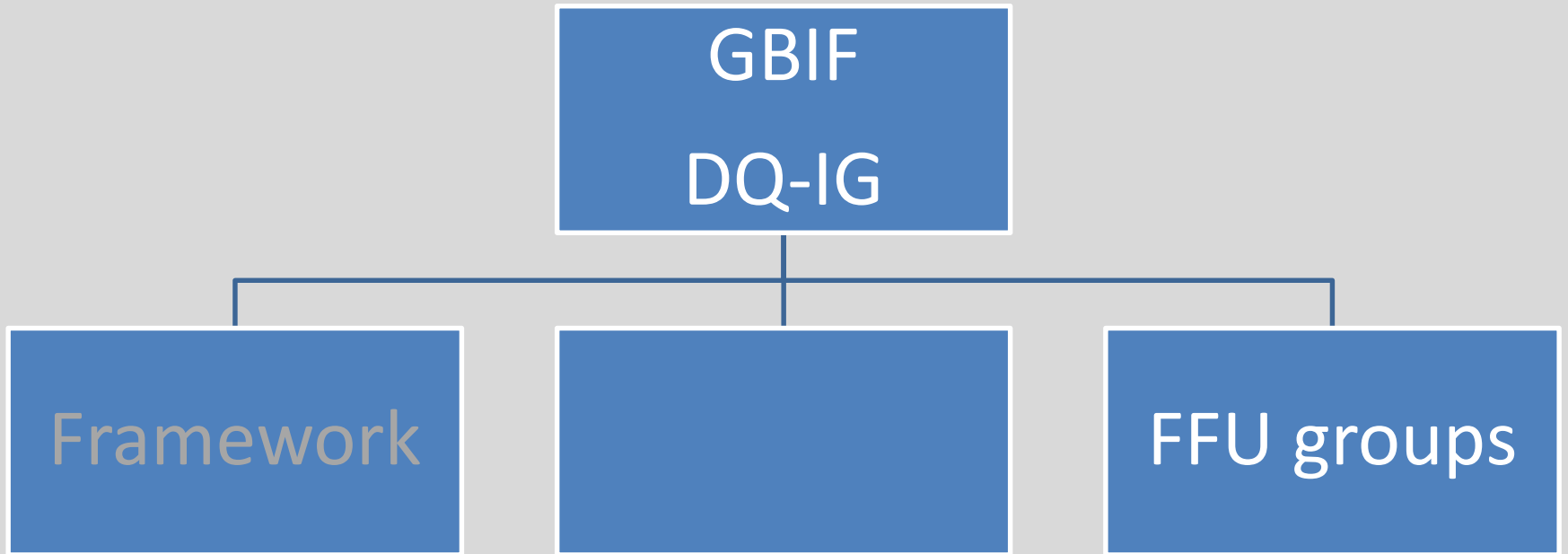
TG3-Use  
cases

# GBIF

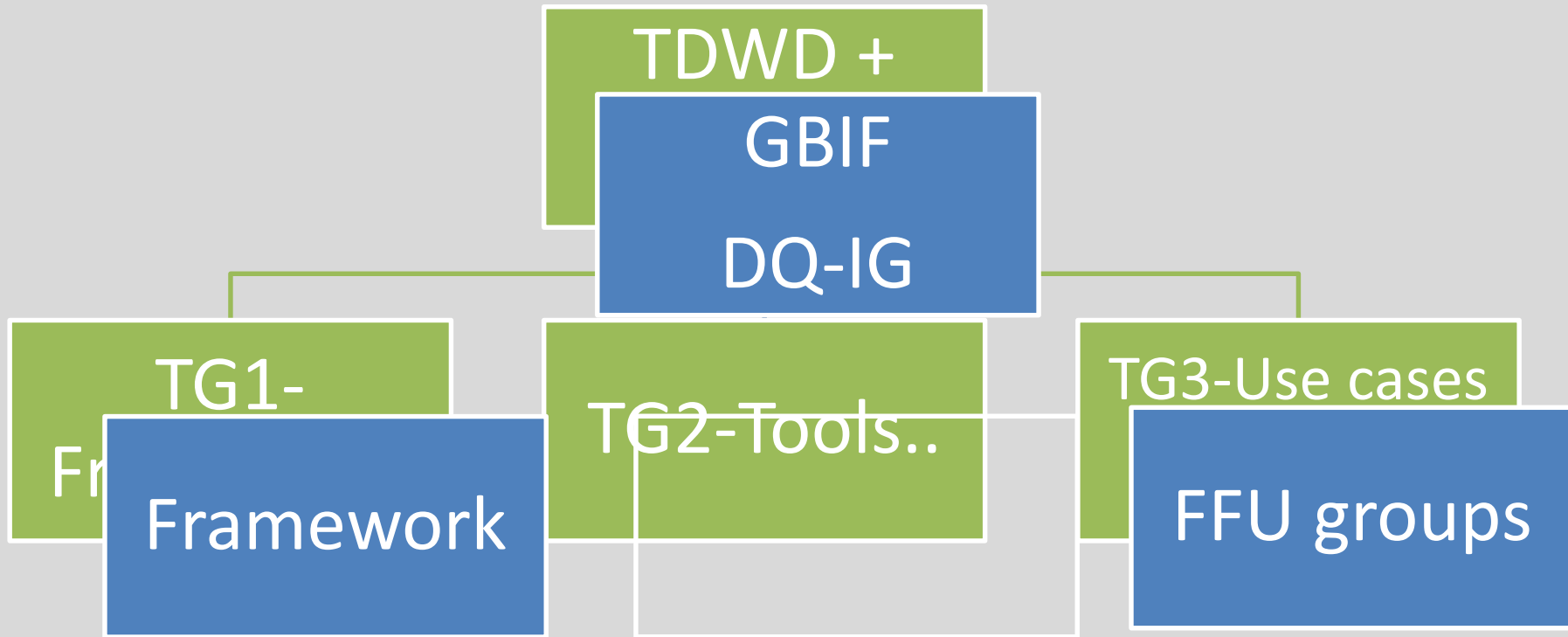
GBIF  
DQ-IG

Framework

FFU groups



# Not by chance, there is a link





What these groups have done?

What is next?

How to get involved?

## **TODAY'S PROGRAM**

# Program (1)

8h30	Registration
9h00	<b>Opening Session / Introduction and Program Overview</b> Carlos Alfredo Joly, BIOTA – FAPESP Program coordinator Antonio Mauro Saraiva, Research Center on Biodiversity and Computing (BioComp)/Poli/USP, Brazil
9h30	<b>An Overview on Biodiversity Data Quality</b> Arthur D. Chapman, Australian Biodiversity Information Services, Australia
10h10	<b>GBIF Initiatives on Data Quality</b> Dmitry Schigel, Global Biodiversity Information Facility (GBIF), Denmark
10h30	<b>GBIF.org and Access to Data</b> Christian Gendreau, Global Biodiversity Information Facility (GBIF), Denmark
10h50	<b>A Conceptual Framework for Data Quality</b> Allan Koch Veiga, BioComp/Poli/USP, Brazil
11h30	Q+A
12h00	Lunch (restaurants around FAPESP)

# Program (2)

14h00	<b>Data Quality: Tools and Services</b> (video) Lee Belbin, The Atlas of Living Australia/Blatant Fabrications, Australia
14h20	<b>Capturing Data Quality Use Cases</b> Miles Nicholls, The Atlas of Living Australia/CSIRO, Australia
14h40	<b>Data Needs and Challenges for Current and Future Niche and Distribution Modeling</b> Enrique Martínez Meyer, Universidad Nacional Autónoma de México
15h00	Coffee break
15h20	<b>GBIF Data Fitness for Use in Agrobiodiversity: Results of the Experts' Consultation and Recommendations of the Task Group</b> Elizabeth Arnaud, Bioersivity International, France
15h40	<b>Data Quality Requirements for Agrobiodiversity: Case of Crop Wild Relatives</b> Nora Patricia Castañeda Álvarez, International Center for Tropical Agriculture (CIAT), Colombia
16h00	<b>SOLVE_WITH_MORE_DATA and other Lessons from Biodiversity Data Quality Initiatives at the Museum of Comparative Zoology</b> Paul J. Morris, Museum of Comparative Zoology, Harvard University, USA
16h20	Q+A / Conclusions
16h40	Closing Session

# Coming next

- Workshop of the GBIF/TDWG Interest Group
  - Match FFU-TG “needs” into the Framework “profile”
  - Discuss strategies for TGs to evolve
  - Plan next activities
    - Other FFU-TGs?
    - DQ Symposium at TDWG Meeting 2016, in Costa Rica
    - How to engage more people