

The background of the slide is a photograph of a vast field of pink flowers, likely a gerbera field, stretching towards a rocky hill under a blue sky with scattered white clouds. The flowers are in full bloom, creating a dense carpet of pink. The rocky hill in the distance has some sparse green vegetation.

# **Towards a Curriculum for BI Global Mapping Survey**

Fatima Parker-Allie  
11 May 2016

# Key Aims of the Session at the Global Nodes Meeting -

- Get a clear idea of the activity in the **GBIF community** in support of both **training** of biodiversity informatics **professionals** as well as **academic teaching**.
- Look at how the Nodes can collaborate in these two areas.
- Consider how the Nodes can contribute or share expertise or resources/training materials in this area of work.
- Specifically, it is intended to get an idea of how the community can **further contribute** to the **development** of **curricula** for informatics
- We hope to have clear outcomes to be included in the GBIF Nodes work plan.

# Process

- As preparatory work before the 13<sup>th</sup> Global Nodes meeting, **we provided a survey to the Nodes community** to get an idea of the current level of activity in the GBIF network.
- The aim of the survey was to get an overview of Node Managers already engaged in developing course curricula or providing training, and whether participants would be willing to share resources or enter into collaborations using the means offered by GBIF globally (e.g. the [capacity enhancement support programme](#)).

# Process

- We provided some framework/s for developing more comprehensive Biodiversity Informatics courses at the honours or masters levels, or for professional work-based training.
- Nodes were invited to review these documents and provide feedback on any gaps in the framework, and to make suggestions as to the small or large scale adjustments which may be required.
- We also considered **initiatives** underway involving wider communities in an endeavour to share, such as the [TDWG Interest Group on Biodiversity Informatics Curriculum](#) and [Biodiversity Informatics Training Curriculum](#) and consider alignments with these.

# Current Initiatives

Biodiversity  
Information  
Standards  
TDWG

free and open access to biodiversity data  
GBIF Community Site

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Interest group on biodiversity informatics training

Open interest group about training and education in biodiversity informatics

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Group members



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Interest group on biodiversity informatics training



Owner: Alberto González Talaván  
Group members: 65

Description:

This group is established with the aim to create a space for discussion, debate, development, collaboration and mutual enrichment for professionals in biodiversity informatics training in its widest sense.

Please see the scoping document for the group if you want to know more about it.

To join the group, you need to have an account in the GBIF Community Site first. Please go to the site home page for this and then return to this page and click on the 'Join group' link.

Brief description: Open interest group about training and education in biodiversity informatics

Tags: training, education, biodiversity informatics, bi

Website:

Latest discussion

- A new interest group about biodiversity informatics training in TDWG  
Posts: 8
- IDigBio is organizing a series of 4 webinars about mammals digitization  
Posts: 1
- Survey about eLearning in Africa  
Posts: 1
- Free webinar about the future of the Ecological Niche Modelling  
Posts: 1

Group files

Presentation about the creation of a Biodiversity Informatics Curriculum Interest Group in TDWG by Hanna Koivula  
Alberto González Talaván 339 days ago

More files

Group pages

Events and opportunities  
Last updated 867 days ago by Sonia Dias

Compilation of biodiversity informatics university programmes  
Last updated 867 days ago by Alberto González Talaván

BIODIVERSITY INFORMATICS TRAINING CURRICULUM

HOME | BIODIVERSITY INFORMATICS TRAINING CURRICULUM | BIODIVERSITY INFORMATICS TRAINING CURRICULUM | BIODIVERSITY INFORMATICS TRAINING CURRICULUM

HOME

Welcome to the Biodiversity Informatics Training webpage!

Biodiversity Informatics is a rather new field, which can be defined as the creation, improvement, analysis, and interpretation of information regarding biodiversity. The field was born out of the longtime information management of the systematic community in tandem with the realization of the desperate situation of the 'biodiversity crisis' in recent decades. Although biodiversity information has been accumulated for centuries, this information has not been managed effectively until very re-

free and open access to biodiversity data  
GBIF Community Site

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Group discussion > A new interest group about biodiversity informatics training in TDWG

A new interest group about biodiversity informatics training in TDWG

Alberto González Talaván  
367 days ago

Dear friends,

There is a new initiative that will be presented in the upcoming TDWG annual conference in Jönköping (Sweden) that may be of interest for you. It is a proposal to create an interest group around 'Biodiversity Informatics curriculum/teaching'.

The idea is still in an early stage and that is why it will be discussed in a round table in the conference on Thursday 30 October at 16:00 according to the current schedule available in the TDWG site. Some information provided by the conveners of the session is also available in the website.

This is also an excellent opportunity to network for anyone participating in the TDWG conference with an interest in biodiversity informatics training. Don't miss it! :)

Cheers

Jitendra  
367 days ago

Hi Alberto,

At TDWG conference we are conducting the workshop "W02 Effective Biodiversity Data Management Training" which is scheduled on 31 October at 11 AM. There seems to be some similarity between the proposed interest group's idea and our workshop theme. It would be helpful if you could please provide some more information/expectations about the interest group idea. It would be great to bring the synergies together.

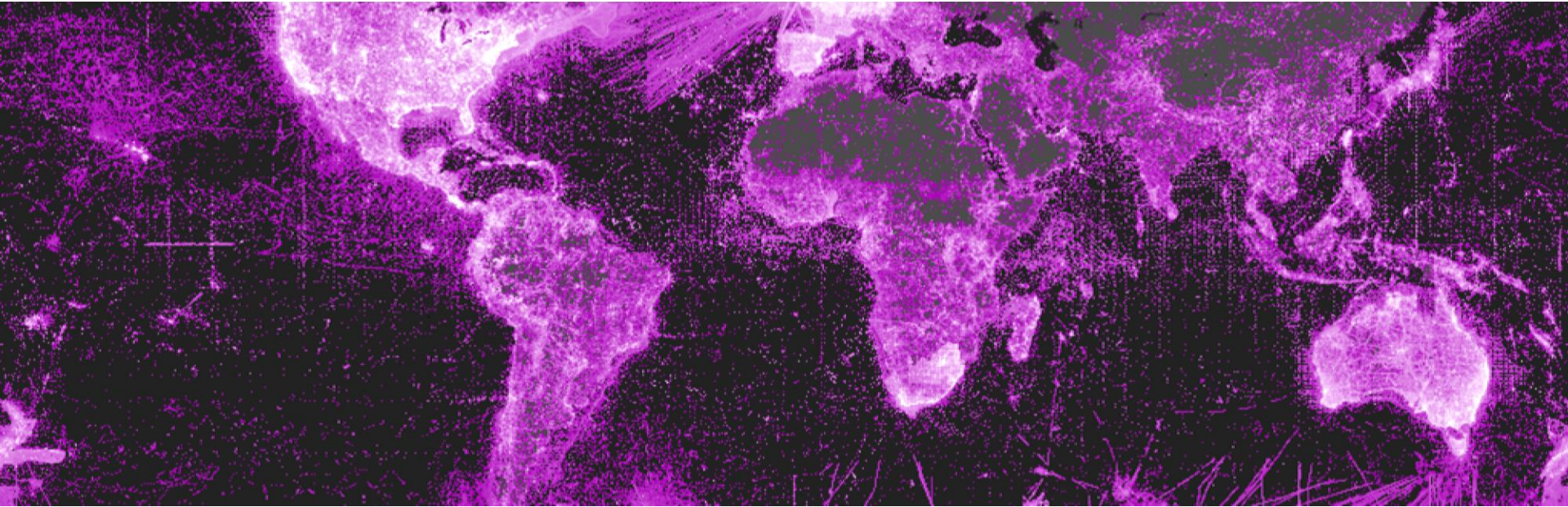
Cheers,

Jitendra



**GBIF**

Global Biodiversity  
Information Facility



# Biodiversity Informatics Curriculum Report

# Activities

- Some Countries started the conception of posgrad degrees programs in BDI
- Benin
- Brazil
- Colombia
- Norway
- India
- South Africa

## Needs identified at the survey

- Formal training is critical to establish the next generation of biodiversity informaticians
- Prioritized list for training of working professionals
- There were interest from nodes to establish e-learning platforms
- Curricula needs: should be holistic, sequential and modular
- South-South, North-South collaboration have been identified and is important



# Needs identified at the survey

## Funding

- For example resources should be found to interchange professors (research academics)
- Integration with other initiatives
- Integration with TDWG work group
- Extend the time and scope of the survey
- Include universities and research institutes

# Existing Resources

- Coming from the survey
- ✓ Nodes training resources list needs to be developed
- ✓ Increase the use of the GBIF resource center
- Establish a task group to bring it together and a common platform to maintain together

# Dissemination of the survey

- Redistribute the survey for the nodes for wider input
- Distribute globally
- Distribute in TDWG

# Gaps in curricula

- Interdisciplinary degree and courses
- Basic concepts:
  - ✓ Biodiversity
  - ✓ Geography
  - ✓ Informatics
  - ✓ Standards
  - ✓ Taxonomy
  - ✓ Licensing issues

# Outcomes

- GBIF-TDWG interest group. Hanna and Alberto will take the connection forward
- Extend the time and target audience of the survey

# Outcomes

- Standard modular curricula integrating all the existing curricula that already exist and the results of the survey, as a reference for new ones

- Thank you!