

TDWG 2010 Annual Conference Program

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Proceedings of TDWG 2010

NEW: You can access the Provisional **Proceedings of TDWG** 2010 [here](#).

Themes

- Names, Concepts & Identifiers:** impact of Codes on technical standards, how systems/standards represent names & concepts
- Citizen Science:** how do we engage other interested users in our projects / processes?
- Agrobiodiversity:** issues related to agriculture and crop biodiversity (carrying over new theme from 2009)
- Literature & Publications:** electronic publications & the Codes, how systems like Plazi, BHL, others assist users
- Hardware & Infrastructure:** innovative solutions for managing biodiversity data, implications for smaller institutions

Posters and Computer Demonstrations

All posters and computer demonstrations have an associated abstract.

Posters should be hung as soon as possible Monday morning (or Sunday PM if possible) to allow the maximum time for viewing and discussion. Please use the numbering order in the [table](#). There is only one designated/formal poster time Thursday 5-6pm but please keep an eye on opportunities to discuss your poster before or after sessions.

Computer demonstrations will be held on Monday and Tuesday in the main auditorium and in Lillie 103. At this stage, demonstrations will only be held once, so make sure you note any that you must see.

Sunday, September 26: Registration & Opening Reception

2:00pm: Registration -- Swope Conference Center

5:00 - 6:30pm: Dinner

6:00 - 8:00pm: Opening Reception -- Meig's Room, Swope Center

Monday, September 27: Plenary Day 1

9:00am - 10:30am: Opening

Welcome: Secretariat

9:00am - 9:20am: Donald Hobern

Welcome: Local Committee

9:20am - 9:30am: Gary Borisy, Director, MBL

9:30am - 9:40am: Nathan Wilson, LOC Chair

TDWG & Biodiversity Informatics

9:40am - 10:00am: David Remsen & Joel Sachs, BioBlitz Overview

10:00am - 10:10am: Patrick Leary & Ajay Ranipeta, CodeBlitz Overview

10:10am - 10:30am: Cynthia Parr, Recap of iEvoBio

10:30am - 11:00am: Coffee Break

11:00am - 12:45pm: Theme: *Names & Concepts* **Session Chair:** Rich Pyle, Bishop Museum

Speakers:

Arthur D. Chapman, Australian Biodiversity Information Services: **e-Publication and Plant Names – using standards**

Roger Hyam, NHM London & Yde de Jong, University of Amsterdam: **PESI: Experiences Implementing Data Standards and Persistent Identifiers For Taxa**

John Deck, University of California at Berkeley: **Implementing field based data validation**

Andrew C Jones and Richard J White, Cardiff University: **Cross-mapping between taxonomies in the i4Life project: techniques for identifying relationships and the role of GUIDs**

David Remsen and Markus Döring, GBIF Secretariat: **A Darwin-Core Archive solution to publishing and indexing taxonomic data within the Global Biodiversity Information Facility (GBIF) network**

Lakshmi Manohar Akella, Holly Miller, Catherine N. Norton, MBLWHOI Library: **Methods and Tools for Name Discovery/Identification and Mapping**

12:45pm - 2:00pm: Lunch

1:30pm - 2:00pm: Computer Demos I

2:00pm - 3:45pm: Theme: *Citizen Science*. **Session Chair:** Cynthia Parr, Encyclopedia of Life

Citizen science holds much promise for crowd-sourced data gathering and enhanced interaction among scientists and enthusiasts.

Speakers in this session will share their experiences and thoughts on improving citizen science. In particular,

How can standards and tool design foster improved data quality and sharing?

What can we learn from systems designed to support education and professional communities?

Where does the field of citizen science need to go in the future?

It is notable that citizen science is an underlying theme of the entire TDWG meeting.

This session will raise issues to be considered as we mount a biodiversity survey of Woods Hole on Wednesday.

Many TDWG participants will be testing tools and exploring data all week.

Speakers:

Jeff Holmes, Harvard University: **The Encyclopedia of Life and Citizen Science**

Marshall Illiff, Cornell University: **Taxonomic and data-quality challenges of large-scale citizen science: Examples from eBird**

Lori Scott, Nature Serve: **Mobile Observation System for Handheld Field Data Collection**

Emily Brown, Omaha's Henry Doorly Zoo: **Amphibian Conservation Education Project**

Elly Wallis, Museum Victoria: Biodiversity Snapshots: **Engaging students in citizen science using mobile tools**

Rob Stevenson, University of Massachusetts Boston: **An overview of Citizen Science Needs for Biodiversity Standards and Tools**

3:45pm - 4:15pm: Coffee Break

4:00pm - 4:30pm: Computer Demos II

4:30pm - 5:00pm: Computer Demos III

5:00pm - 5:30pm: Computer Demos IV

7:30pm - 9:30pm Evening mixer sponsored by WHOI

WHOI Exhibit Center, 15 School St.,

www.whoi.edu/page.do

A short jaunt across the pond from Swope! Check out the full-size model of the Alvin submersible while mingling with TDWG conferees.

Tuesday, September 28: Plenary Day 2

9:00am - 10:00am: Keynote: Dr. Michael J. Ackerman - *Informatics: The Quest for Information Interoperability*

Medical Informatics has been defined as the study of the flow of information through the healthcare system. The study rapidly leads to the conclusion that "med-speak" is more than one language, dictionaries are lacking, and the flow is often blocked. The same can often also be said about the compatibility of medical devices. Dr. Ackerman will explore the healthcare domain and show how existing standards are being put together to create both hardware and software interoperability thus fostering the rapid flow of understandable information.

Bio: Dr. Ackerman is the National Library of Medicine's Assistant Director for High Performance Computing and Communications, and is a pioneer within the field of medical informatics through his active research in medical imaging, high performance computing, and telemedicine. <http://www.lhncbc.nlm.nih.gov/ohpcc/home/mjabio.html>

10:00am - 10:45am: Theme: *Agrobiodiversity*. **Session Chair:** Elizabeth Arnaud, Bioversity International

Speakers:

Charles Kahindo, Université Officielle de Bukavu, DR, Congo: ***Biodiversity Information in developing countries: opportunities and challenges for promoting TDWG standards in Africa***

Hannes Gaisberger, Université Officielle de Bukavu, DR, Congo: ***Accessing the original observation data captured during plant exploration missions for collecting crop diversity***

Samy Gaiji, Global Biodiversity Information Facility: ***Beyond DarwinCore: Challenges in mobilizing richer content***

10:45am - 11:15am: Coffee Break

10:45am - 11:15am: [Computer Demos V](#)

11:15am - 12:30pm: Theme: *Literature & Publications* Session Chair: Chris Freeland, Missouri Botanical Garden

Mass Digitization Projects and Electronic Publications for Scientists, Librarians, Publishers and Informaticians

The online availability and accessibility of legacy literature and contemporary publications continues to expand through mass scanning projects and "born-digital" electronic works. This panel presentation will review issues surrounding these resources and the impacts they have on five traditional & emerging roles in natural history museums: a taxonomist, a librarian, a publisher, an informatician with a focus on schema building & data exchange, and an informatician with a focus on tool building & data extraction.

Speakers:

N. Dean Pentcheff, Natural History Museum of Los Angeles County: ***Publication, paper, and data in systematics: More or Furthur?***

Doug Holland, Missouri Botanical Garden: ***Libraries and the Code: The changing role of botanical libraries in the age of electronic publication***

Penev Lyubomir, Bulgarian Academy of Sciences & Pensoft Publishers, et al.: ***Semantic tagging, semantic enhancements and XML-based editorial workflow from the viewpoint of a biodiversity publisher***

Donat Agosti & Terry Catapano, Plazi: ***The future of Informatics in digital literature – or literature and its (digital) future***

12:30pm - 1:30pm: Lunch

1:30pm - 3:00pm: Theme: *Hardware & Infrastructure* Session Chair: Javier de la Torre, Vizzuality

Speakers:

David Thau, Google: ***The Google Earth Engine: A computational platform for global-scale analysis of Earth observation data***

Tim Robertson, GBIF Secretariat: ***Challenges of operating a global biodiversity index***

Phil Cryer, Biodiversity Heritage Library & Anthony Goddard, Biodiversity Heritage Library: ***Updates on the Global BHL Cluster***

Kathryn Brisbin & Rebecca Shapley, Google: ***Use of Google APIs for Biodiversity Informatics***

John Wieczorek, University of California Berkeley Museum of Vertebrate Zoology, Aaron Steele, University of California Berkeley Museum of Vertebrate Zoology & Dave Vieglaiss, University of Kansas: ***SilverLining: Biodiversity data meets cloud computing***

3:00pm - 3:30pm: Coffee Break

3:00pm - 3:30pm: [Computer Demos VI](#)

3:30pm - 4:00pm: Theme (continued): *Hardware & Infrastructure* Session Chair: Javier de la Torre, Vizzuality`

Speakers:

Alex Poigne, Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS, A., Hernández-Ernst, V., Hardisty, A., Voss, H., Berendsohn, W.: ***Vision and Ambition for LifeWatch ICT Infrastructure***
Ian Cottingham & **Stephen Scott** & Leen-Kiat Soh, University of Nebraska, Lincoln, Nebraska, USA: ***The Biofinity Project – Application architecture for open data integration***

4:00pm - 5:00pm: Lightning Talks

7:30pm - 9:30pm: Evening mixer sponsored by GBIF

Meig's Room, Swope Center 2nd floor

This will also serve as an informal orientation to the next day's BioBlitz activities.

Wednesday, September 29: Breakout Day 1

ALL DAY: ([BioBlitz details here](#)) This year's TDWG meeting will include the opportunity to participate in a TDWG-sponsored BioBlitz, an opportunity to discover and explore different natural habitats in and around the Woods Hole area, locate and identify local taxa, and showcase software tools that can facilitate data capture, discovery, and visualization. The BioBlitz will include a number of field events in and around Woods Hole. [Field event descriptions and signup forms can be found here.](#)

ALL DAY: Parallel Working Groups

Whale Watch (& pelagic birds)*. We offer a full-day trip to Stellwagon Bank, a national marine sanctuary, via Provincetown. See a number of species of whales and pelagic birds . Consider this trip only if you would not wish to participate in any of the other Bioblitz daytime events or parallel working group sessions. Cost \$65 includes transportation and boat tickets. (Limit 29 participants)

ALL DAY: CodeBlitz

For the parallel sessions please click [here](#).

10:30am - 1:00pm: Coffee Available

11:30am - 1:00pm: Lunch Available

2:30pm - 5:00pm: Coffee Available

Thursday, September 30: Breakout Day 2

For the parallel sessions please click [here](#).

10:30am - 1:00pm: Coffee Available

11:30am - 1:00pm: Lunch Available

12:30pm - 1:00pm: TDWG Business meeting (all welcome)

2:30pm - 5:00pm: Coffee Available

5:00pm - 6:00pm: Poster Presentations

6:00pm - 7:30pm: TDWG Banquet - Lobster boil
Swope Meigs Room & Dining Hall

Friday, October 1: Reports & TDWG Close

9:00am - 10:30am: Reports - BioBlitz & Working Groups

10:30am - 11:00am: Coffee Break

11:00am - 12:30pm: Reports & Close

12:30pm - 1:30pm: Lunch

Friday, October 1: Annual Biofinity Workshop, Speck Auditorium

This workshop is free of charge, except for lodging. [Registration is required.](#)

Project overview: <http://biofinity.unl.edu/info/>

Project home page: <http://biofinity.unl.edu/>

Friday, October 1, Speck Auditorium

2:00pm - 2:45pm: Introductory Session - Overview of The Biofinity Project, philosophy, technology model, business model, brief demo (Stephen Scott, D.Sc., Associate Professor, Dept. of Computer Science & Engineering, University of Nebraska, USA; Ian Cottingham, M.S., Director, Computing Innovation Group, University of Nebraska, USA)

2:45pm - 3:15pm: Biofinity Use Case 1 with live demo - Mary Liz Jameson, Ph.D., Associate Professor, Wichita State University, USA

3:15pm - 3:45pm: Biofinity Use Case 2 with live demo - Emily Brown, Program Manager, Amphibian Conservation Education Project, Omaha's Henry Doorly Zoo, USA.

3:45pm - 4:00pm: Break

4:00pm - 4:30pm: Biofinity Use Case 3 with live demo - Federico Ocampo, Ph.D., Laboratorio de Entomologia, Instituto de Investigaciones de Zonas Aridas, Argentina

4:30pm - 5:15pm: Discussion Forum - Planned features and needs of potential users

6:00pm - 7:00pm: Dinner

7:00pm - 9:00pm: Social Event

Saturday, October 2: Annual Biofinity Workshop Continues, Speck Auditorium

8:00am - 9:00pm: Continental Breakfast

9:00am - 10:30pm: Tutorial and Demonstration - Setting up My Labs accounts, using data entry tools

10:30am - 11:00pm: Break

11:00am - 12:30pm: Tutorial and Demonstration, Continued - Using analysis tools, using mobile devices

12:30pm - 1:30pm: Lunch

1:30pm: Workshop ends

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Computer Demonstrations

Each presenter for the Computer Demonstration Session will have twenty minutes to focus on the demonstration, make sure to bring the equipment needed to run your demonstration and let the Program Committee know in advance about any special requirements you may have (projector/beamer, Internet connection, firewall settings, etc.).

Computer Demonstration Presenters may additionally opt to bring a poster for viewing at other times. We have an abundance of great poster submissions this year, but we have managed to provide space for everyone who submitted a Computer Demonstration to display a Poster during the whole conference from Monday to Friday. On Thursday, just before the TDWG banquet, we have scheduled a poster session where we encourage each presenter to stand by your poster to answer questions from interested attendees. Please make sure to bring your poster with you during Registration on Sunday or Monday during the first coffee breaks. Even when we expect that there will be mounting devices provided on site for mounting your poster, if you decide to bring a poster too, you might want to bring your own pins, just in case.

More details will be sent your way next week and during the Conference. We look forward to meeting you at TDWG!

Demos

#	Author	Title	Day/time	Location
1.	S. Cooleman , G. Geser, M. Louette, D. Meirte, P. Mergen, A. Mulrenin & S.M. Pieterse	STERNA advanced semantic web tool about resources on birds	Monday 1.30-1.50pm	Lillie 103
2.	Etienne Américo Cartolano Júnior , Antonio Mauro Saraiva, Allan Koch Veiga, Diogo Borges Krobath, Luiz Guilherme Pilar Saraiva, Guilherme Tavares	Biodiversity Data Digitizer - BDD	Monday 1.30-1.50pm	Auditorium
3.	Hanna Koivula , Mikko Heikkinen, Tapani Lahti & Hannu Saarenmaa	Enterprise architecture for managing biodiversity data in Finland	Monday 4-4.20pm	Lillie 103
4.	Dave Martin, Ajay Ranipeta, Angus MacAulay, Adam Collins and Lee Belbin	The Atlas of Living Australia, nearly.	Monday 4-4.20pm	Auditorium
5.	Rupert G. Wilson and Janet J. Cubey	RHS Orchard: harvesting a different sort of fruit	Monday 4.30-4.50pm	Auditorium
6.	C.J. Grady, Aimee M. Stewart, James H. Beach	Using the Vistrails Scientific Workflow Management System for Species Distribution Modeling	Monday 4.30-4.50pm	Lillie 103
7.	Tim Noble, Rod Spears & Andy Bentley (presenter James H. Beach)	Linking Specify 6 Databases with Morphbank Repositories and Morphster Ontologies	Monday 5-5.20pm	Lillie 103
8.	Gail E. Kampmeier and Shelah Morita	Tracking molecular processes of specimens in taxon-based biodiversity research	Monday 5-5.20pm	Auditorium
9.	Guido Sautter , Donat Agosti, Bob Morris	Let Taxonomists do Taxonomists' Work – even in Legacy Literature Digitization & Markup	Tuesday 10.45-11.05	Lillie 103
10.	Jouni Tuominen , Matias Frosterus, Nina Laureenne and Eero Hyvönen	Publishing Biological Classifications as SKOS Vocabulary Services on the Semantic Web	Tuesday 10.45-11.05	Auditorium
11.	Visotheary UNG , Florian CAUSSE and Régine VIGNES LEBBE	Xper ² : from names to expertises	Tuesday 3-3.20pm	Lillie 103
12.	David Remsen and Michael Giddens	DarwinCore Archive Descriptor Utility	Tuesday 3-3.20pm	Auditorium

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