



iDigBio's Specimen Digitization Tools and Practices Workshop Schedule

Botany 2012 Conference

Fairfield Room at the Hyatt Regency in Columbus, OH

July 12, 2012

- 7:30–8:00 **Coffee and breakfast**
- 8:00 Welcome (Pam Soltis and Austin Mast, iDigBio)
- 8:00–8:20 Context: The Strategic Plan for Establishing a Network Integrated Biocollections Alliance (Judy Skog, George Mason University)
- 8:20–8:40 The Five Task Clusters of Digitization (Gil Nelson, iDigBio)
- 8:40–9:00 An Industrial Engineer's Perspective on Digitization (Rod Eastwood, Harvard)
- 9:00–9:20 A Library Science Perspective on Digitization (Bryan Heidorn, Univ. of Arizona)
- 9:20–9:40 Best Practices for Digitization Workflow Policies (Linda S. Ford, Harvard)
- 9:40–10:00 **Break and Poster Session**
- Mary Barkworth, Utah State University. Extending the Benefits of Digitization.
- Alyssa Janning, University of Arizona. Using Herbis Datasets as Examples in BiSciCol.
- Jordan Metzgar, Patrick Druckenmiller, Dusty McDonald, and Stefanie M. Ickert-Bond, Museum of the North, University of Alaska, Fairbanks. Specimen imaging and databasing efforts of botanical and paleontological collections at the University of Alaska Museum.
- 10:00–10:20 Best Practices for Managing and Motivating the Digitizers (Larry Gall, Yale)
- 10:20–10:40 Rapid Digitization of the World's Largest Herbarium (Henri Michiels, Paris Herbarium)
- 10:40–11:00 Discussion
- 11:00–12:00 Six 10-Minute Contributed Talks by Funded Participants
- Anna Monfils, CMC Herbarium, Central Michigan University. Organizing, implementing and utilizing a digitized small herbarium: Plans for an iDigBio Visiting Scholar Fellowship.
- Rebecca W. Dolan, Friesner Herbarium, Butler University. Databasing and digitization of a smaller herbarium at a smaller institution: it CAN be done and funded, too.
- Barbara A. Whitlock, Department of Biology, University of Miami. The Swingle Plant Anatomy Collection: Making the case for digitizing unusual natural history collections.
- Alexa DiNicola, The College of Idaho; Don Mansfield, The College of Idaho; and James Smith, Boise State University. SWITCH (SouthWest Idaho: The Comprehensive Herbarium)
- Bethany H. Brown, Andrew L. Hipp and Edward A. Hedborn, The Morton Arboretum. Integrating botanical and herbarium databases.
- Jennifer Ramp Neale, Denver Botanic Gardens. Lessons learned from a regional



consortium in need of greater expertise.

12:00–1:00 **Lunch and Poster Session (continued)**

1:00–1:40 Four 10-Minute Contributed Talks by Funded Participants

Stephen Gottschalk, The William and Linda Steere Herbarium, The New York Botanical Garden. Implementing Optical Character Recognition in Herbarium Digitization Workflows: Current practices and challenges.

D. Shannon Asencio, The William and Linda Steere Herbarium, The New York Botanical Garden. The Projeto Flora Amazônica field books: An excellent resource for improving data input efficiency.

Michael Bevans, The William and Linda Steere Herbarium, The New York Botanical Garden. Imaging Guidelines and Image Archiving Policy at The New York Botanical Garden.

Kimberly Watson and Melissa Tulig, The William and Linda Steere Herbarium, The New York Botanical Garden. Tri-Trophic Digitization Strategies.

1:40–2:00 Hands-on Demonstration of Specify (Andrew Bentley, Univ. of Kansas)

2:00–2:20 Hands-on Demonstration of Symbiota (Edward Gilbert, Symbiota)

2:20–2:40 Hands-on Demonstration of Morphbank (Deb Paul, Florida State)

2:40–3:00 Hands-on Demonstration of Filtered-Push (James Macklin, Agriculture and Agri-Food Canada)

3:00–3:20 **Break**

3:20–3:40 Hands-on Demonstration of GEOLocate (Nelson Rios, Tulane)

3:40–4:00 Hands-on Demonstration of SilverBiology (Michael Giddens, SilverBiology)

4:00–4:20 Hands-on Demonstration of Apiary (Jason Best, BRIT)

4:20–4:40 Hands-on Demonstration of iPlant Tools (Naim Matasci, iPlant Collaborative)

4:40–5:00 Hands-on Demonstration of Encyclopedia of Life Tools (Katja Schulz, Smithsonian)

5:00–5:30 Discussion

5:30 **Adjourn**

iDigBio is the National Resource for Advancing Digitization of Biological Collections (ADBC) funded by the National Science Foundation. The mission of iDigBio is to develop a national infrastructure that supports the vision of ADBC by overseeing implementation of standards and best practices for digitization; building and deploying a customized cloud computing environment for collections; recruiting and training personnel, including underserved groups; engaging the research community, collections community, citizen scientists, and the public through education and outreach activities; and planning for long-term sustainability of the national digitization effort. For more information, visit <http://www.idigbio.org/>.



iDigBio's Specimen Digitization Tools and Practices Workshop Participant List

Name	Email	Institution
Asencio, D. Shannon	sasencio@nybg.org	The New York Botanical Garden
Barkworth, Mary	mary.barkworth@usu.edu	Utah State University
Bentley, Andrew	abentley@ku.edu	University of Kansas
Best, Jason	jbest@brit.org	Botanical Research Institute of Texas
Bevans, Michael	mbevans@nybg.org	The New York Botanical Garden
Brame, Hannah	hc110809@ohio.edu	Ohio University
Brown, Bethany	BBrown@mortonarb.org	The Morton Arboretum
Brown, Herrick	brownh@dnr.sc.gov	South Carolina Dept. of Natural Resources
Cameron, Ken	kmcameron@wisc.edu	Univ. of Wisconsin–Madison
Campau, Zachary	zachary.campau@ithaka.org	JSTOR Plant Science
Cowden, Nancy	cowden@lynchburg.edu	Lynchburg College
Dever, Rodney David	rodneydever@comcast.net	West Virginia University
DiNicola, Alexa	adinicola@collegeofidaho.edu	College of Idaho
Dolan, Rebecca	rdolan@butler.edu	Butler University
Eastwood, Rod	eastwood@fas.harvard.edu	Harvard University
Elisens, Wayne	elisens@ou.edu	University of Oklahoma
Evans, Tim	evanstim@gvsu.edu	Grand Valley State University
Fishbein, Mark	mark.fishbein@okstate.edu	Oklahoma State University
Ford-Werntz, Donna	dford2@wvu.edu	West Virginia University
Ford, Linda	lford@oeb.harvard.edu	Harvard University
Gabel, Mark L.	Mark.Gabel@bhsu.edu	Black Hills State University
Gall, Larry	lawrence.gall@yale.edu	Yale University
Giddens, Michael	mikegiddens@silverbiology.com	SilverBiology, LLC.
Gilbert, Edward	egbiodiversity@gmail.com	Symbiota
Gillespie, Emily	gillesel@wfu.edu	Wake Forest University
Ginzbar, Steve	sginzbar@biology.as.ua.edu	The University of Alabama Herbarium
Goldberg, Suzann	sgoldberg@amnh.org	American Museum of Natural History
Gottschalk, Stephen	sgottschalk@nybg.org	The New York Botanical Garden
Gries, Corinna	cgries@wisc.edu	University of Wisconsin–Madison
Heidorn, Bryan	heidorn@email.arizona.edu	University of Arizona
Hendricks, Jon	jonathan.hendricks@sjsu.edu	San Jose State University
Hermsen, Liz	ejhermsen@gmail.com	Cornell University
Janning, Alyssa	alyssa.janning@gmail.com	University of Arizona
Knox, Eric	eknox@indiana.edu	Indiana University
Krings, Alexander	akrings@ncsu.edu	North Carolina State University
LaGreca, Scott	sal66@cornell.edu	Cornell University
Livshultz, Tatyana	livshultz@ansp.org	Academy of Natural Sciences of Drexel University
Lowrey, Taylor	lowre1tm@cmich.edu	Central Michigan University
Macklin, James	James.Macklin@AGR.GC.CA	Agriculture and Agri-Food Canada
Mast, Austin	amast@bio.fsu.edu	iDigBio, Florida State University
Matasci, Naim	nmatasci@iplantcollaborative.org	iPlant Collaborative
Metzgar, Jordan	jsmetzgar@alaska.edu	Museum of the North
Michiels, Henri	Henri.MICHIELS@mnhn.fr	Paris Herbarium
Mishler, Brent	bmishler@calmail.berkeley.edu	University of California, Berkeley
Monfils, Anna	monfi1ak@cmich.edu	Central Michigan University
Murrell, Zack	murrellze@APPSTATE.EDU	Appalachian State University
Naczi, Robert	rnaczi@nybg.org	The New York Botanical Garden
Neale, Jennifer Ramp	nealejr@botanicgardens.org	Denver Botanic Gardens
Nelson, Gil	gnelson@bio.fsu.edu	iDigBio, Florida State University
Paul, Deb	dpaul@fsu.edu	iDigBio, Florida State University
Rabeler, Rich	rabeler@umich.edu	University of Michigan
Rein, Angela	arein@okstate.edu	Oklahoma State University
Ribbens, Eric	e-ribbens@wiu.edu	Western Illinois University
Rios, Nelson	nelson@museum.tulane.edu	Tulane University
Roldán, Claudia Múnera	cmunera@humboldt.org.co	Alexander von Humboldt, Colombia

Russell, Rusty russellr@si.edu
Samarakoon, Tharangamala tharangamalas@yahoo.co.uk
Schmidt, William weschmidt01@yahoo.com
Schulz, Katja schulzk@si.edu
Skog, Judy jskog@gu.edu
Smith, Selena sysmith@umich.edu
Soltis, Pamela psoltis@flmnh.ufl.edu
Spitz, Lauren Lauren.spitz@rutgers.edu
Stigall, Alycia stigall@ohio.edu
Sweeney, Patrick patrick.sweeney@yale.edu
Thiers, Barbara bthiers@nybg.org
Thomas, Michael B. mbthomas@hawaii.edu
Triplett, Jimmy jtriplett@jsu.edu
Trisel, Don donald.trisel@fairmontstate.edu
Wallace, Lisa lisawallace@biology.msstate.edu
Weeks, Andrea aweeks3@gmu.edu
Wentzel, Charles wentzel.11@osu.edu
Wetter, Mark Allen mawetter@wisc.edu
Whitlock, Barbara whitlock@bio.miami.edu
Whitson, Maggie whitsonma@nku.edu

United States National Herbarium
University of Southern Mississippi
University of Louisiana at Lafayette
Smithsonian
George Mason University
University of Michigan
iDigBio, University of Florida
Chrysler Herbarium of Rutgers University
Ohio University
Yale University
The New York Botanical Garden
University of Hawaii
Jacksonville State University
Fairmont State University
Mississippi State University
Ted R. Bradley Herbarium, George Mason University
Ohio State University
Wisconsin State Herbarium, University of Wisconsin-Madison
University of Miami
John W. Thieret Herbarium, Northern Kentucky University