



Leveraging Digitization Practices across Multiple Domains 6-9 October 2014

iDigBio and the Cheadle Center for Biodiversity & Ecological Restoration (CCBER) at the University of California, Santa Barbara are pleased to offer Leveraging Digitization Practices across Multiple Domains, a natural history collections digitization workshop targeted to collections managers, directors, curators, and other collections professionals.

Day 1: 6 October 2014

Time	Activity	Responsible
	Transportation leaves Harbor View for Santa Barbara Museum of Natural History	
6:30-9:00 p.m.	Reception Santa Barbara Museum of Natural History	Jennifer Thorsch Gil Nelson Paul Scott Others to welcome attendees??

Day 2: 7 October 2014

Time	Activity	Responsible
7:30 a.m.	Transportation departs Harbor View for Loma Pelona	Laurie Hannah
	Getting started	
8:00-8:30 a.m.	Breakfast	

8:30-8:40 a.m.	Welcome	Jennifer Thorsch University of California Santa Barbara
8:40-8:50 a.m.	Logistics Introduction to iDigBio	Gil Nelson Florida State University iDigBio
8:50-9:05 a.m.	Expanding NIBA: New Research Coordination Network in support of digitization	Rob Gropp American Institute of Biological Sciences
9:05-9:20 a.m.	Digitization Task Clusters	Gil Nelson
9:20-9:40 a.m.	Digitization policies, practices, innovations, and discoveries	Steve Dilliplane Academy of Natural Sciences of Drexel University
	Challenges to Digitization	
9:40-9:55 a.m.	Challenges for small town, rural natural history collections	Mary Beth Prondzinski Fairbanks Museum & Planetarium
9:55-10:10 a.m.	Challenges in database selection and design	Laura Brenskelle University of Texas, Austin
10:10-10:25 a.m.	Challenges to digitization	Margaret Landis Sam Noble Museum, University of Oklahoma
10:25-10:45 a.m.	Coffee break	

10:45-11:15 a.m.	Panel Questions and discussion Challenges to Digitization	
	Pre-digitization curation and preparation	
11:15-11:35 a.m.	Getting a collection ready for digitization	Dawn Roberts Chicago Academy of Science, Peggy Notebaert Nature Museum
11:35-11:55 p.m.	Getting an insect collection ready for digitization at the Illinois Natural History Survey's InvertNet project	Dmitry Dmitriev Illinois Natural History Survey
11:55-12:15 p.m.	Pre-digitization curation for wet collections	Dean Pentcheff Natural History Museum of LA County
12:15-1:15 p.m.	Lunch	
1:15-1:35 p.m.	Using the crowd to augment data entry: BioSpecs, public participation, and citizen science	Libby Ellwood iDigBio Florida State University iDigBio
1:35-1:55 p.m.	Citizen science programs	Erica Clites University of California Museum of Paleontology
	Field trips	
1:55-5.30 p.m.	The Cheadle Center for Biodiversity and Ecological Restoration (CCBER)	Laurie Hannah Mireia Beas-Moix

		UCSB/CCBER
1:55-5.30 p.m.	The Santa Barbara Museum of Natural History (SBMNH)	Paul Valentich-Scott, Krista Fahy
1:55-5.30 p.m.	The Western Foundation of Vertebrate Zoology (WFVZ)	Linnea Hall

Day 3: 8 October 2014

Time	Activity	Responsible
7:30 a.m.	Transportation departs Harbor View for Loma Pelona	Laurie Hannah
8:00-8.30 a.m.	Breakfast	
	Imaging and Image Processing Specifications and Workflows	
8:30-8:45 a.m.	Imaging Standards and Workflows for Dried Insect Collections	Jennifer Thomas Biodiversity Institute, University of Kansas
8:45-9:00 a.m.	Imaging station set-up and configuration	Roger Burkhalter Sam Noble Museum, University of Oklahoma
9:00-9:15 a.m.	Challenges in imaging biological specimens	Chris Ginter Denver Museum of Nature & Science
9:15-9:30 a.m.	Selecting a camera and imaging station	Joanna McCaffrey iDigBio

	Imaging and Image Processing Specifications and Workflows – Case studies	
9:30-9:45 a.m.	Imaging workflows, equipment configuration, and challenges for 3-D objects in drawers and trays	Paul Mayer, The Field Museum
9:45-10:00 a.m.	Imaging herbarium specimens	Janet Bala Idaho Museum of Natural History, Idaho State University
10:00-10:15 a.m.	Coffee Break	
10:15-10:30 a.m.	Imaging 3D objects (birds, mammals, butterflies) with stacking for deep focus	Gil Nelson Florida State University, iDigBio
10:30-10:45 p.m.	Imaging challenges for 3D objects in trays and drawers	Ron Eng Burke Museum of Natural History and Culture
10:45-11:30 a.m.	Imaging Q&A Discussion	
	Acquiring, managing, using, and publishing data	
11:30-11:45 a.m.	Standards for biodiversity data	Greg Riccardi iDigBio PI Florida State University
11:45-12:00 p.m.	Data standards: what we can learn from the information and library sciences	Larry Schmidt

		University of Wyoming
12:00-1:00 p.m.	Lunch	
1:00-1:15 p.m.	Using digitized data in scientific research	Pam Soltis iDigBio PI University of Florida
1:15-1:30 p.m.	Moving data to iDigBio and other aggregators	Joanna McCaffrey
1:30-1:45 p.m.	Applying data standards to multiple domains	Steve Dilliplane
1:45-2:00 p.m.	Database schemas for natural history collections	Laura Brenskelle University of Texas
2:00-2:15 p.m.	Databasing workflows for 3D objects in trays and drawers, fluid-preserved invertebrates, and microscopic slides	Paul Valentich-Scott Santa Barbara Museum of Natural History
2:15-2:30 p.m.	Databasing entomology collections: InvertNet	Dan Young University of Wisconsin
2:30-2:45 p.m.	Specify as a database management tool	Roger Burkhalter
2:45-3:00 p.m.	Coffee break	
3:00-3:15 p.m.	Databasing workflows for paleontology	Erica Clites University of California Museum of Paleontology
3:15-3:30 p.m.	Databasing workflows at the University of Wisconsin herbarium	Mark Wetter
3:30-4:00 p.m.	Data Q&A	Gil Nelson

	Discussion	
4:00-5:00 p.m.	Breakouts. Wrap up.	Gil Nelson