



## 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
	<b>Transportation leaves Harbor View for Santa Barbara Museum of Natural History</b>	
5:30-7:00 p.m.	<b>Reception Santa Barbara Museum of Natural History</b>	Jennifer Thorsch Gil Nelson Paul Scott Others to welcome attendees??

### Day 2: 7 October 2014

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

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

10:45-11:15 a.m.	<b>Panel Questions and discussion Challenges to Digitization</b>	
	<b>Pre-digitization curation and preparation</b>	
11:15-11:35 a.m.	<b>Getting a collection ready for digitization</b>	Dawn Roberts Chicago Academy of Science, Peggy Notebaert Nature Museum
11:35-11:55 p.m.	<b>Getting an insect collection ready for digitization at the Illinois Natural History Survey's InvertNet project</b>	Dmitry Dmitriev Illinois Natural History Survey
11:55-12:15 p.m.	<b>Pre-digitization curation for wet collections</b>	Dean Pentcheff Natural History Museum of LA County
12:15-1:15 p.m.	<b>Lunch</b>	
1:15-1:35 p.m.	<b>Using the crowd to augment data entry: BioSpecs, public participation, and citizen science</b>	Libby Ellwood iDigBio Florida State University iDigBio
1:35-1:55 p.m.	<b>Citizen science programs</b>	Erica Clites University of California Museum of Paleontology
	<b>Field trips</b>	
1:55-5:30 p.m.	<b>The Cheadle Center for Biodiversity and Ecological Restoration (CCBER)</b>	Laurie Hannah Mireia Beas-Moix

		UCSB/CCBER
1:55-5:30 p.m.	<b>The Santa Barbara Museum of Natural History (SBMNH)</b>	Paul Valentich-Scott, Krista Fahy
1:55-5:30 p.m.	<b>The Western Foundation of Vertebrate Zoology (WFVZ)</b>	Linnea Hall

### Day 3: 8 October 2014

<b>Time</b>	<b>Activity</b>	<b>Responsible</b>
7:30 a.m.	<b>Transportation departs Harbor View for Loma Pelona</b>	Laurie Hannah
8:00-8:30 a.m.	<b>Breakfast</b>	
	<b>Imaging and Image Processing Specifications and Workflows</b>	
8:30-8:50 a.m.	<b>Imaging Standards and Workflows for Dried Insect Collections</b>	Jennifer Thomas Biodiversity Institute, University of Kansas
8:50-9:10 a.m.	<b>Imaging station set-up and configuration</b>	Roger Burkhalter Sam Noble Museum, University of Oklahoma
9:10-9:30 a.m.	<b>Selecting a camera and imaging station</b>	Joanna McCaffrey iDigBio

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

12:00-1:00 p.m.	<b>Lunch</b>	
1:00-1:15 p.m.	<b>Using digitized data in scientific research</b>	Pam Soltis iDigBio PI University of Florida
1:15-1:30 p.m.	<b>Moving data to iDigBio and other aggregators</b>	Joanna McCaffrey
1:30-1:45 p.m.	<b>Applying data standards to multiple domains</b>	Steve Dilliplane
1:45-2:00 p.m.	<b>Database schemas for natural history collections</b>	Laura Brenskelle University of Texas
2:00-2:15 p.m.	<b>Databasing workflows for 3D objects in trays and drawers, fluid-preserved invertebrates, and microscopic slides</b>	Paul Valentich-Scott Santa Barbara Museum of Natural History
2:15-2:30 p.m.	<b>Databasing entomology collections: InvertNet</b>	Dan Young University of Wisconsin
2:30-2:45 p.m.	<b>Specify as a database management tool</b>	Roger Burkhalter
2:45-3:00 p.m.	<b>Coffee break</b>	
3:00-3:15 p.m.	<b>Databasing workflows for paleontology</b>	Erica Clites University of California Museum of Paleontology
3:15-3:30 p.m.	<b>Databasing workflows at the University of Wisconsin herbarium</b>	Mark Wetter
3:30-4:00 p.m.	<b>Data Q&amp;A Discussion</b>	Gil Nelson
4:00-5:00 p.m.	<b>Breakouts.</b>	Gil Nelson

	<b>Wrap up.</b>	
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