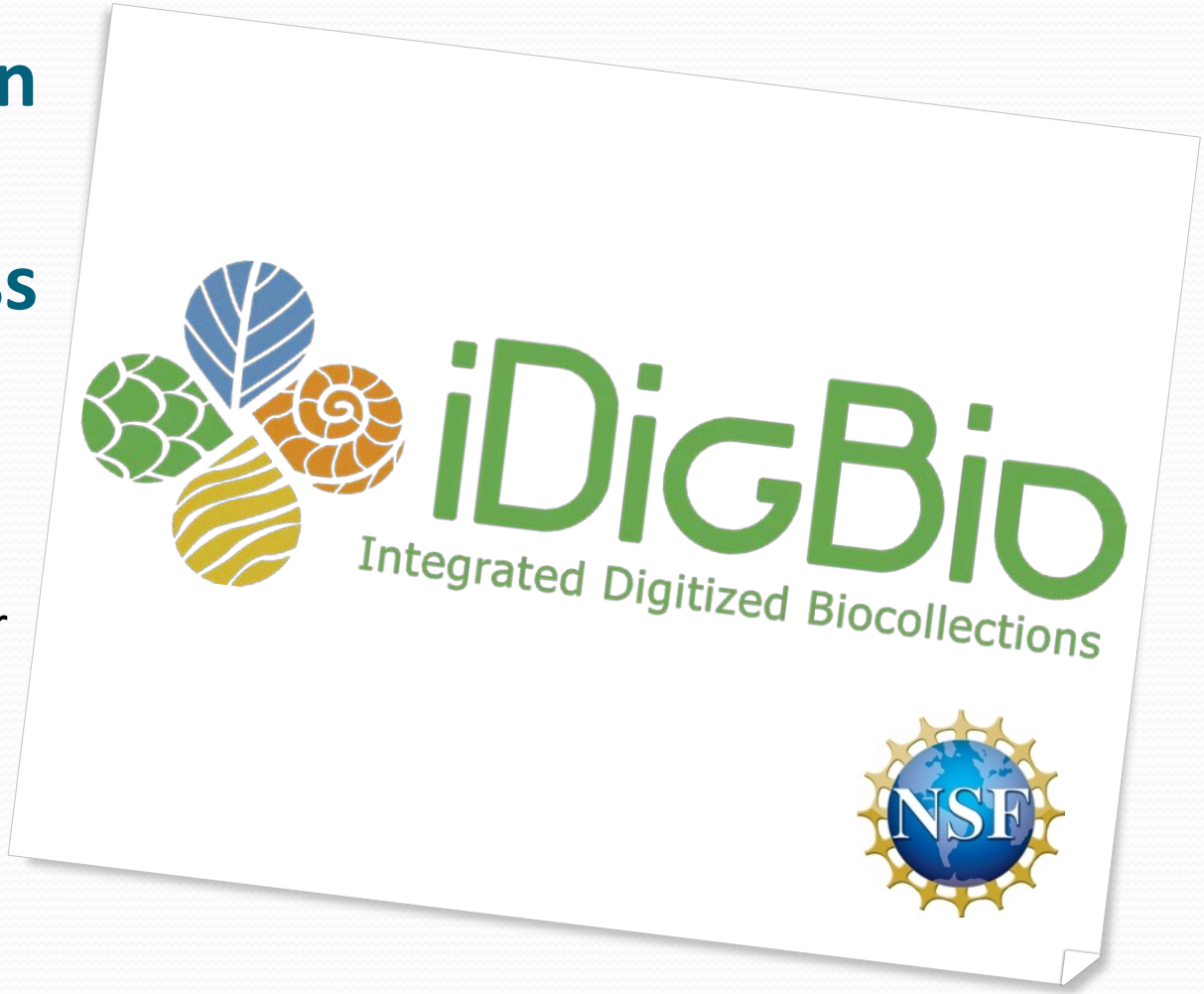
Implementation Plan and Project Progress

David Jennings,
iDigBio Project Manager



iDigBio External Advisory Board Meeting
March 22, 2013 1:00-3:00 pm USA Eastern Daylight Time

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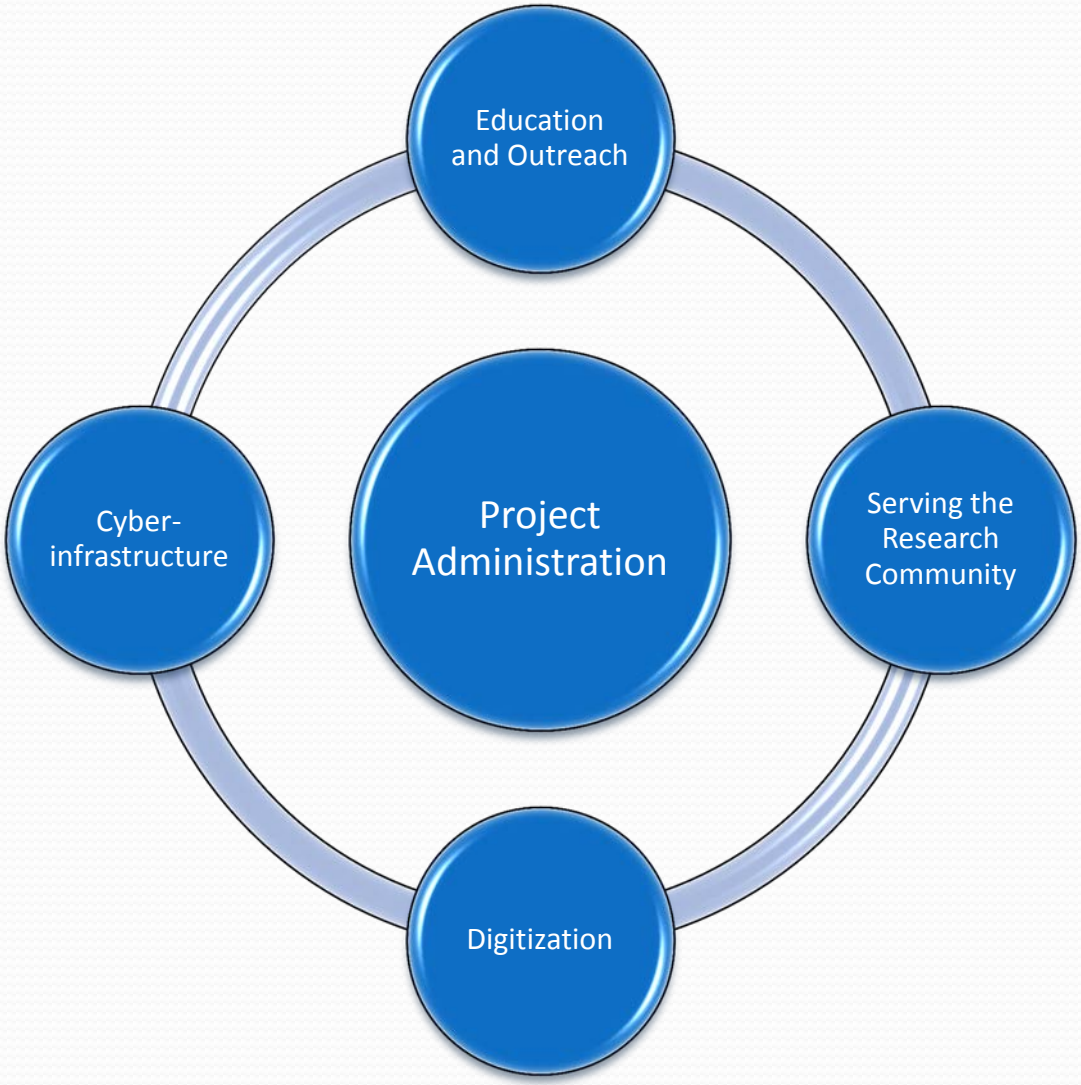
Implementation Plan

- Define project mission, vision, and scope
- Establish project organization and governance
- Define team, roles, and responsibilities
- Identify project milestones, objectives, strategies, and timeline
- Provide “instructions” to project team

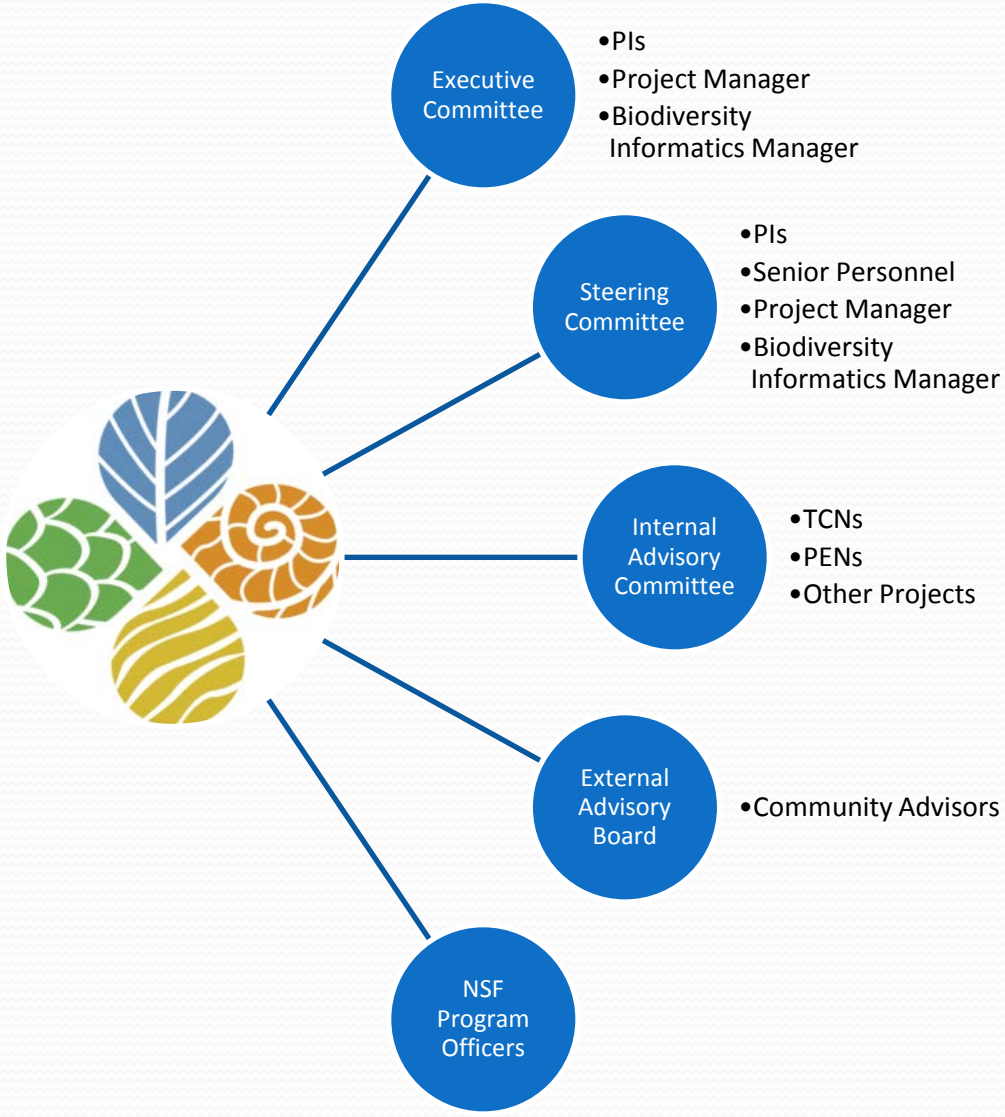
Updates to Implementation Plan

- Lessons learned from first 2 years of operation
- Improved organization/navigation of document
  - Re-organized responsibilities into each domain section
  - Consolidated multiple documents into one “project instructions” document & added missing elements
    - Incorporated project mission/vision/scope, implementation plan, & change management plan
    - Added project organization and governance
    - Added plans for communication management, quality management, risk management, & project closure
- Re-aligned milestones

Project Organization



Project Governance



Project Milestones

iDigBio Project Progression

Status: ✓ Complete | ● On track | ● Off track but recoverable | ● Off track and not recoverable

High-Level Activity / Milestone	2012		2013				2014				2015				2016				2017	2018	2019	2020	2021
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
Project Administration																							
Improvide iDigBio Branding & Conduct Website Design Review	●	●	✓																				
Participate in NIBA Community Implementation Planning Process		✓																					
Sustainability Planning & Sustainablity Implementation			●																				
iDigBio Operates with Non-Gonvernmental Funding																							
Conduct Annual Summit to Integrate New TCNs and Align ADBC Plans		✓				●																	
Establish Formal Outreach to Broader Stakeholder Community			●																				
Enhance Ongoing Activities with Broader Stakeholder Participation																							
Identify and Engage Strategic Partners in the Collections Community	●		●																				
Receive, Review and Conduct Approved Workshop Requests	●	●	●																				
Education and Outreach																							
Release University Education Materials ("Fossils in the Cloud")																							
Students Produce Published Papers and Downstream User Learning Materials																							
Release/Enhance "Explore Research" Educational Videos			●																				
Release/Enhance "Explore Research" Interactive Smartboard Content																							
Conduct Annual "Visiting Scholar Program" & Release Deliverables		✓	●																				
Coordinate & Consolidate E&O Activities Across ADBC @ Annual Summit		✓				●																	
Education & Outreach Workshop					●																		
Conduct a Stakeholder Front-End Survey																							
Complete a Comprehensive Downstream User Needs Assessment																							
Secure Additional E&O Funding & Disseminate E&O Information	●	●	●																				
Serving the Research Community																							
Conduct Digitization Tools & Practices Workshop	✓																						
Product Use Cases for Cyberinfrastructure Development	✓		●																				
Research Team Project (Biodiversity Patterns, Integrated with Phylogenies)	●	●	●																				
Construct a National Network of Genetic Resources Repositories	●	●	●																				
Conduct a Linked Data Workshop & Release Deliverables to the Community		●	●																				
Produce Use Cases to Extend iDigBio Connections to External Partners			●	Specific Focus			Ongoing Activity																
Conduct a Workshop to Engage Members of the Systematics Community																							

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	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
Digitization																							
Expand Repository of Digitization Tool Documentation & Link to Public Forums	●	●	●																				
Finalize Minimum Information Standards for Collections (MISC)	●	●	✓																				
Publish Modular Workflows by Preservation Method	●	✓																					
Conduct Digitization Workshops & Publish Materials	●	✓	●	●	●																		
Conduct Public Participation in Digitization Workshop	✓																						
Conduct GeoReferencing Train the Trainer Workshop & Publish Materials		✓	●		●																		
Publish & Maintain Documentation on Project Partnerships		●	●																				
Conduct Augmenting OCR Hackathons & Publish Results	●	✓	●																				
Publish Public Authority Files			●	●																			
Develop Digitization Use Cases (Data Quality & Associated Data)																							
Provide Digitization User Services	●	●	●																				
Cyberinfrastructure																							
Release Specimen Portal v0 - Core Infrastructure	✓																						
Release Specimen Portal v1 - Improved GUI		●	✓																				
Release Specimen Portal v2 - TCN Data Ingestion and AAA Implementation				●																			
Release Specimen Portal v3 - APIs for iDigBio Data Access by Strategic Partners																							
Release Specimen Portal v4 - Bi-Directional Communication with Data Providers																							
Release Specimen Portal v5 - Enhanced Data Harmonization with Collections DB																							
Release Specimen Portal v6 - Data Linking and Federation																							
Release Specimen Portal v7 - Complex Data Retrieval and Visualization																							
Release Specimen Portal v8 - Complex Data Retrieval and Visualization																							
Release Image Ingestion Application v0	●	●	●																				
Implement Hosted Services for Strategic Partners	✓	✓	●																				
Seek Funding and Resources to Access to more Storage and Compute Capacity	●	●	●																				

Key Accomplishments

- Digitization Resources

  https://www.idigbio.org/wiki/index.php/Digitization_Resources

- Workshops and Training

  https://www.idigbio.org/wiki/index.php/IDigBio_Workshops

- Working Groups

  https://www.idigbio.org/wiki/index.php/IDigBio_Working_Groups

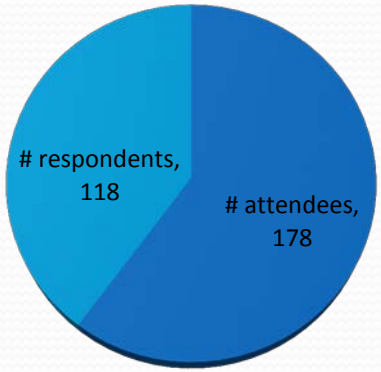
- Collaboration
  - Resources
  - Community
- Cyberinfrastructure
  - Website upgrade www.idigbio.org
  - Portal upgrade portal.idigbio.org
  - TCN support
  - Data ingestion

Workshops & Training

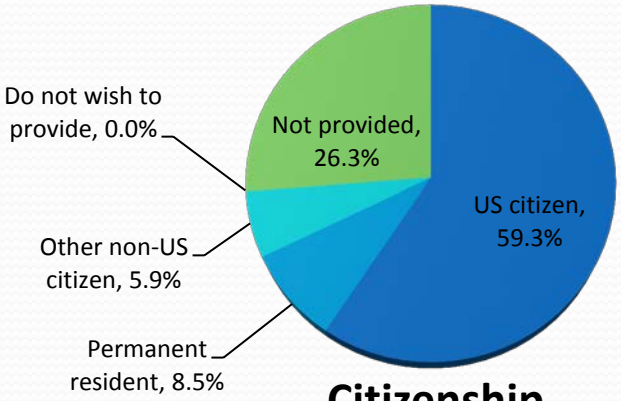
- 462 total non-iDigBio attendees to Workshops & Summits
  - 265 unique participants
- 151 unique non-iDigBio institutions represented

Grant Year	# of Sponsored Workshops & Summits	# of non-iDigBio Attendees to Workshops & Summits	# of Sponsored Symposia
1	4	160	0
2	8	302	3
TOTAL (Y1+Y2)	**12**	**462**	**3**
3 (planned thru 12/13)	*4*	*165 estimated*	*3*

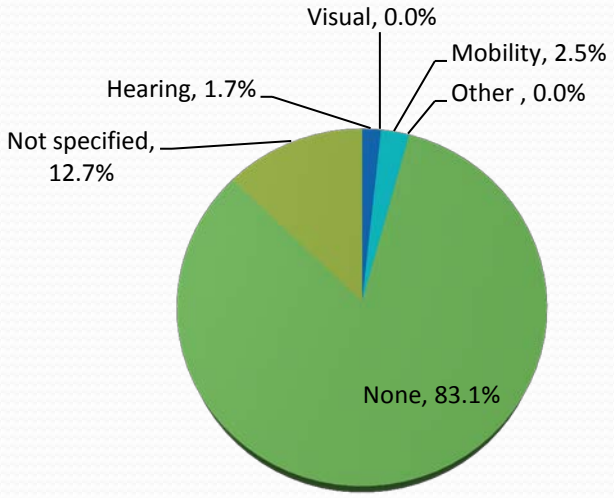
Workshop Demographics (since 9/12)



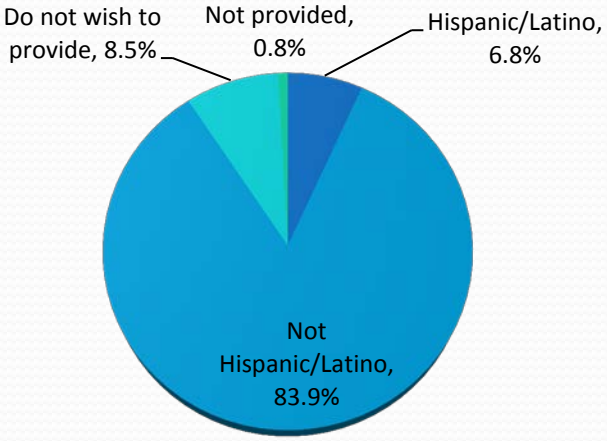
Response Rate = 66.3%



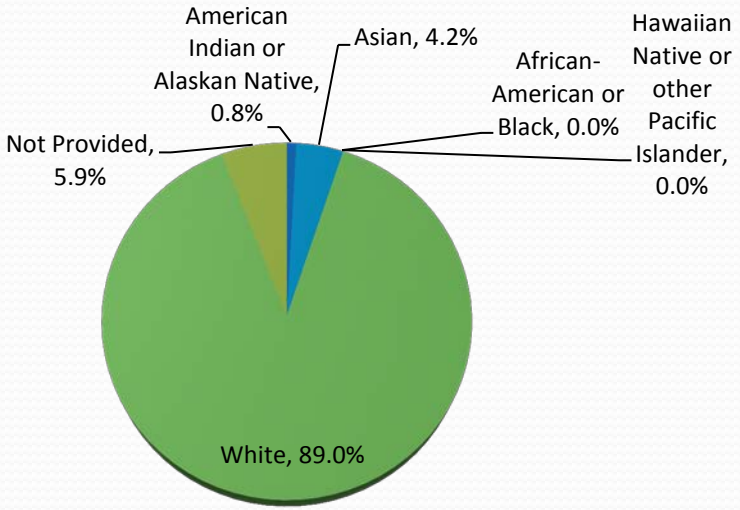
Citizenship



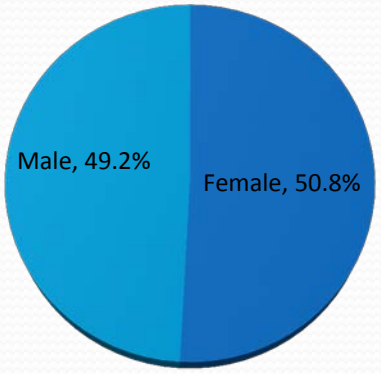
Disability



Cultural Background



Ethnicity/Race



Gender

Resource Usage

Website Traffic	Year 1	Year2
Page Views	31,735	66,321
Unique Visitors	5,454	8,568
Registered Users	59	218
Facebook Followers	102	191

Website Visits	Year 1	Year 2
Returning Visitor	4,350	11,360
New Visitor	3,029	8,174
TOTAL	7,379	19,534

Adobe Connect	Year 1	Year 2
Total Users	40	65
Total Hosts	12	26
Distinct Meeting Rooms	37	62
Total Meeting Time	767:58:00	4428:40:00

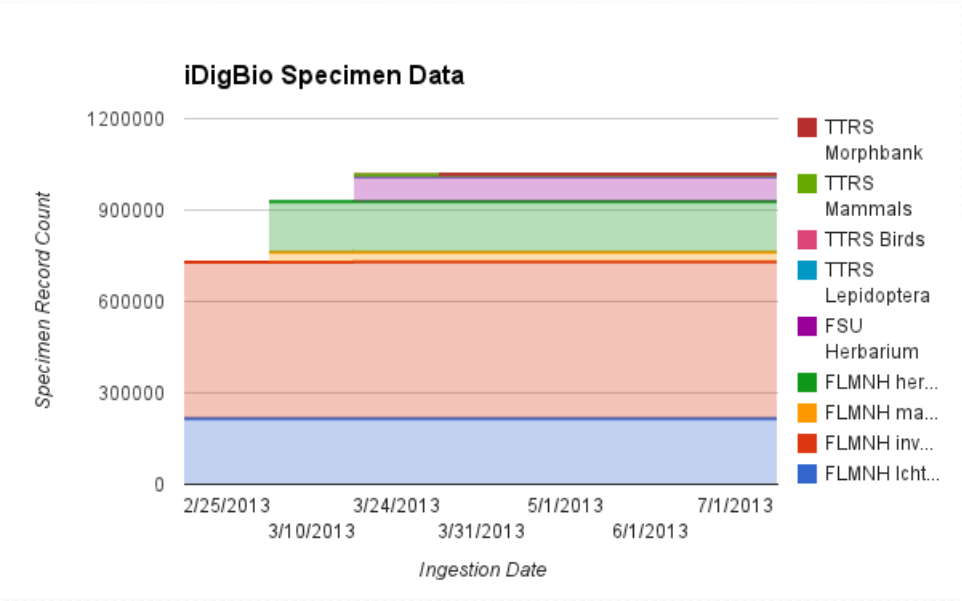
Cyberinfrastructure Resources

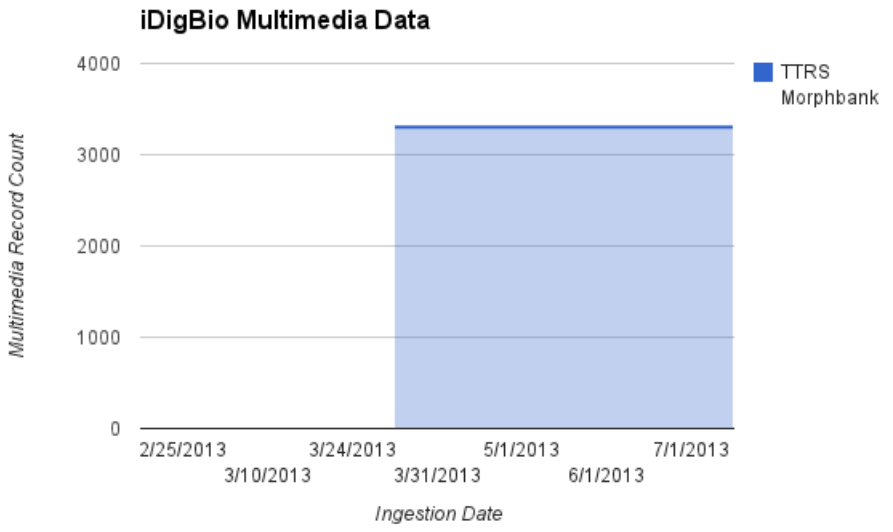
- Physical Machine Allocation:
  - 26 assigned blade servers
  - 8 storage servers totaling 256 TB raw disk space

Virtual Machine Usage	iDigBio	TCN	Collaboration
Cores	37	8	24
RAM	150 GB	18 GB	47 GB
Disk Space	6.6 TB	7.6 TB	2.4 TB

Data Ingestion

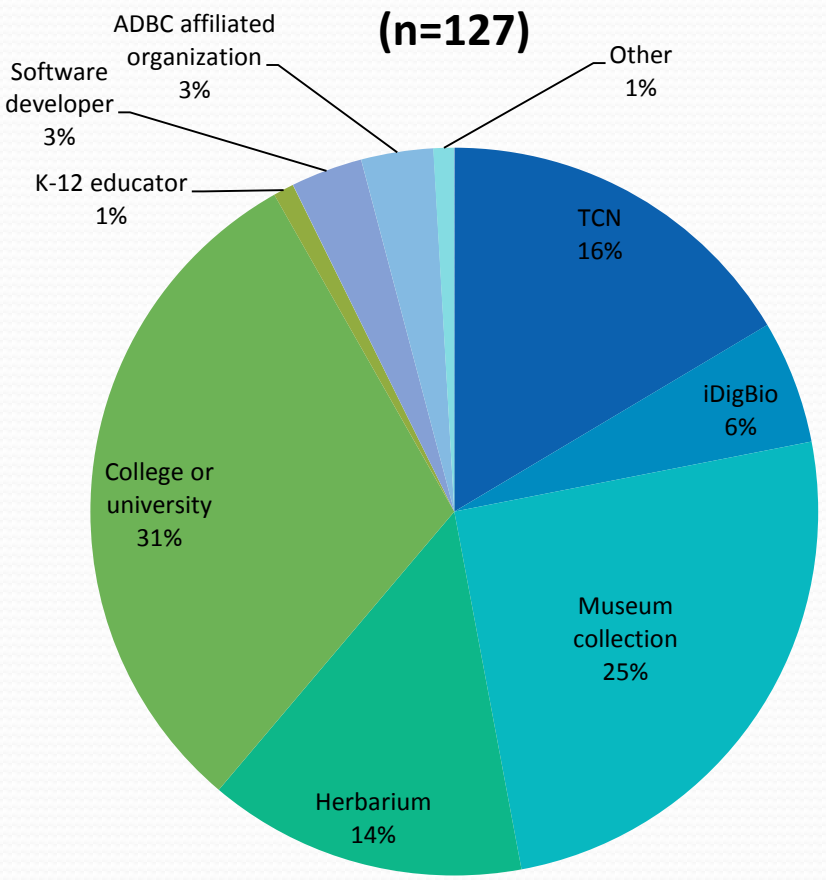
- As of 3/21/2013:
  - 4 datasets
  - 927,060 specimen records



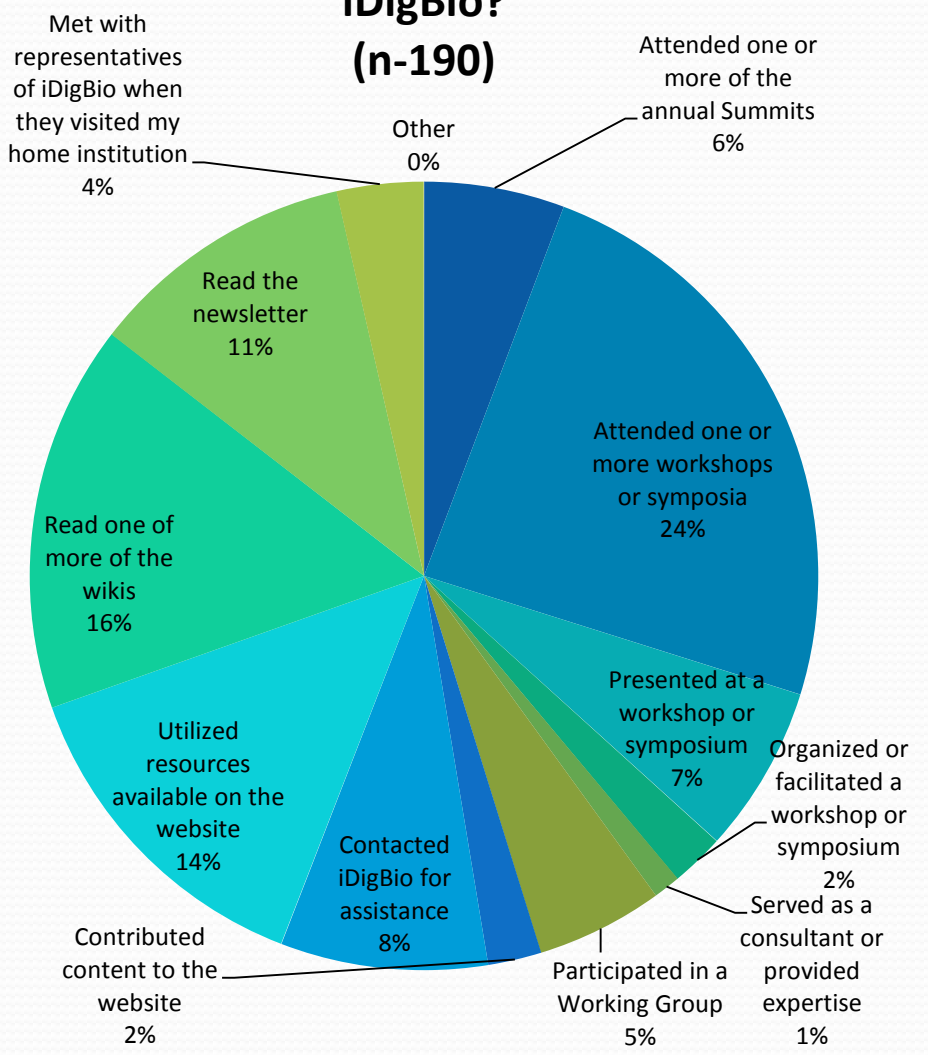
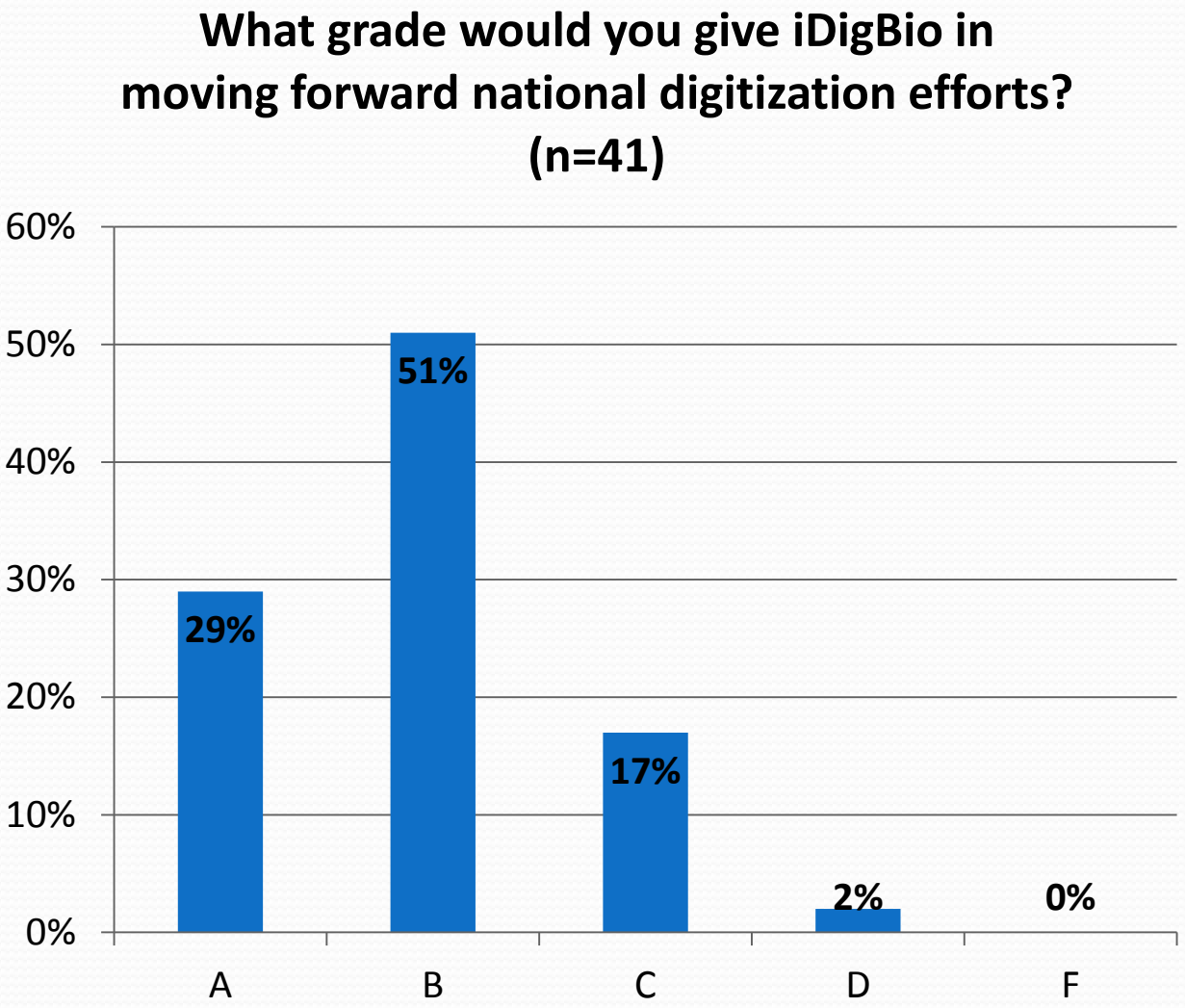


Community Feedback

How are you affiliated with iDigBio? (n=127)



In what ways have you interacted with iDigBio? (n-190)



Community Feedback