iDigBio Education & Outreach (E&O)

Bruce J. MacFadden
Co-PI & Director of Education and Outreach
Curator of Vertebrate Paleontology
Florida Museum of Natural History

Summit IV



iDigBio E&O General objectives

- Develop diverse activities to broaden the impact of iDigBio to downstream users.
- Coordinate and encourage activities among TCNs and other stakeholders.
- These objectives are accomplished by:
 - Working groups
 - Workshops
 - Related activities (e.g., public engagement)
 - iDigBio and "spin-off" projects

Overarching strategic goal:

Downstrean users and the general public better understand the value (to society) of digitized collections in the 21st century.



Target audiences

- In-reach (digitization community)
 - Workshops (discussed elsewhere)
 - Webinars
 - TCN activities
- Outreach (downstream users)--Target audiences
 - Formal education
 - University
 - K12
 - Informal education
 - Museums, science centers, etc.
 - Citizen science, volunteerism
 - Broadening representation and underserved
 - Others (e.g., policy makers)



University activities



Undergraduate BOT Research Methods



UF Graduate seminars Digitization, Broader Impacts





Girls' Spring Break "Camp"





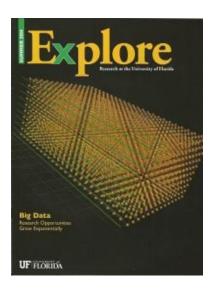
Public festivals—Earth Day 2014





UF *Explore Research*

- UF's Magazine for alumni; circulation >30,000
- iDigBio featured in issue on Big Data initiatives at UF
- Explore Research kiosk







Public participation—Austin Mast





Broadening representation

iDigBio Visiting Scholars program--Early career professional development



2012, Anna Monfils, Central MI Univ



2013
Corey Toler—Franklin,
UC-Davis

Unintended outcomes: Anna and Corey



Careers workshops—Gil Nelson

- Audience: underserved and under-represented in biodiversity collections fields
- Meetings so far
 - Orlando (February)
 - FLMNH (June)
 - Chicago (Sept)
 - others





Other stakeholders: Learning research collaborations-UF College of Education



Kent Crippen STEM Ed



Pasha Antoneko Ed Tech



Upcoming opportunities

 3D scanning and printing Workshop in ?June 2015 will bring together professionals, K12 teachers, and fossil club members.

Other iDigBio workshops with E&O focus (check website).



Evaluation

Shari Ellis, UF's Center for Science Learning



Systematically tracks activities, outputs, impacts, and ultimately outcomes of a broad range of iDigBio activities, including E&O.



Wrap-up: Final thoughts

- Many members of the iDigBio team are involved in E&O activities in different ways.
- Currently recruiting an E&O coordinator.
- Also E&O e-poster and breakout session in program for further details.

