

iDigBio Education and Outreach Working Group Meeting Minutes September 2015

Date/Time: September 21, 2015, 1:00 PM-2:30 PM Eastern

Attendees: Bruce MacFadden, David Jennings, Marcia Mardis, Shari Ellis, Gil Nelson, Betty Dunckel, Amy Bolton, Edwin Scholes III, Barbara Thiers, Jon Hendricks, Liz Shea, Mari Roberts, Anne Basham, Fang Wang, Marie Studer, Jillian Goodwin, Molly Phillips

Action Items

- **Bruce & Molly:** will create a matrix of our potential audiences to present at the EOWG Summit discussion session.
- **All EOWG members:** Let Molly know if you are interested in the initial brainstorming and focus groups for high school students.
- **Molly:** will go through previous surveys with Shari Ellis and compile broad topics for webinars.
- **All EOWG members:** send Molly specific topics from that broader list. She will compile the topics and send back out to the EOWG to review.
- **All EOWG members:** send molly resources, comments and suggestions for the EOWG Wiki and the iDigBio Education page.

Introductions

Marcia Mardis: Associate Professor and Coordinator of Educational Informatics at Florida State University.

Amy Bolton: Manager of Deep Time education and outreach at the Smithsonian Institute.

Ed Scholes: Curator of Video in the Macaulay Library and E&O contact for the VAC TCN.

Barbara Thiers: Principal Investigator for the Macrofungi Collections Consortium TCN and director of the NYBG Herbarium.

Jon Hendricks: PaleoNiches/ The Digital Atlas of Ancient Life TCN PI and associate professor at San José State University.

Liz Shea: E&O contact for the InvertEBase project and Curator at the Delaware Museum of Natural History

Mari Roberts: Project Coordinator for Tri-Trophic TCN and Volunteer Coordinator for Lichens and Bryophytes at the NYBG.

Anne Basham: Arizona State University and project lead for ARPEO and representing SCAN.

Fang Wang: Graduate student with Marcia Mardis at Florida State University

Marie Studer: Learning and Education director at Encyclopedia of Life

David Jennings: iDigBio Project Manager.

Shari Ellis: iDigBio Project Evaluator.

Gil Nelson: iDigBio Digitization Specialist.

Betty Dunckel: Program Director for the Florida Museum's Center for Science Learning.

Jillian Goodwin: iDigBio Project Assistant

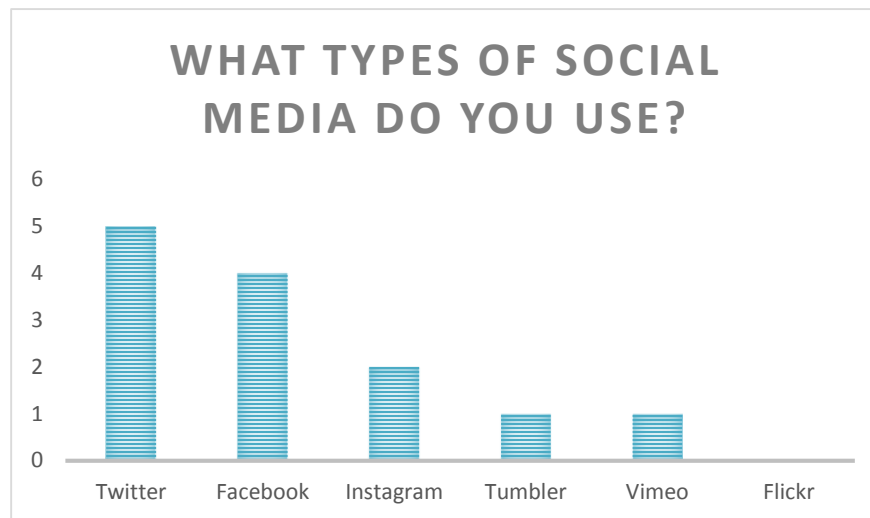
Molly Phillips: iDigBio Education and Outreach Coordinator

Bruce MacFadden: iDigBio Director for Education and Outreach.

Icebreaker

What do you think about using social media as a tool for outreach and education? Which social media platforms do you currently use and why?

- Twitter and Facebook were most common platforms



Discussion

Working Group Wiki: https://www.idigbio.org/wiki/index.php/E%26O_Working_Group

- What would you like to see on the EOWG Wiki?
 - Educational theory that supports collections-based learning
 - Meeting minutes.
 - Under E&O Online Resources, we could have a “Get Involved” section with links to crowdsourcing platforms
 - If you have any resources that can be added to the E&O Online Resources, please send them to Molly Phillips.

iDigBio Education Page: <https://www.idigbio.org/education>

- Who is our audience?
 - Hard to decide. Bruce and Molly will create a matrix of our potential audiences and bring for discussion at the Summit.
- What content would you like to see on this page?
 - Resources for educators who want to get their students involved in digitization (guidelines for platforms, management tips, etc). When you go to “Download lesson plans about using digitized specimens” it takes you to the education page but I wasn’t able to find the lesson plans.
 - Anne Basham, agrees, there are things lacking on the main website for K-12 resources. Online learning modules would be helpful, links to databases.
 - MICH students, GED students are our target audiences
 - CK-12 open source, alternative textbook resource, for anything related to the basics of STEM <http://www.ck12.org/>

- Marcia Mardis, glad to hear about K-12 inclusion in E&O. Make a partnership with an established page like <http://oercommons.org> (NSF supported materials). Have them maintain our links and resources.
- The readability is currently not great. Our target audiences should be considered when developing new content.
- Current citizen science projects (WeDigBio) should be added to the citizen science section.
- Resources for educators who want to get their students involved in digitization (guidelines for platforms, management tips, etc). When you go to “Download lesson plans about using digitized specimens” it takes you to the education page but I wasn’t able to find the lesson plans.
- Have teachers as co-developers in some of the content. Curriculum committee = iDigBio E&O and teachers.
- What do you think of the current layout and organization of the page?
 - We should create a more readable document by bolding resource titles, splitting out content by grade, and included keywords so teachers can quickly sort through content.
 - The tabs could be divided by audience like k-12, undergraduates, citizen sciences, students... Audiences will be discussed in more detail during the Summit meeting.
- Send resources, comments, and suggestions to Molly for the iDigBio Education page
- <http://www.centerforcommunicatingscience.org>

E&O Webinar Series

- The purpose of the webinar series would be to share resources, ideas, and expertise centered on education and outreach activities for TCNs. More broadly, these webinars could also serve other members of the collections community looking to start or enhance their outreach programs.
 - The audience for the series would be the collections community.
- Gil Nelson, Paleo/Small Collections Networks - Issues related webinar, opened up to discussion. 1. Keep them strictly to 1 hour. 2. Speakers confine themselves to 20 minutes and 30-40 minutes for discussion. This week is more of a demo type webinar with questions being asked throughout.
 - We should broadcast our webinar announcements very broadly. Interest in E&O topics are shared across collection types.
- We should do a second series focusing on a different audience such as k-12 teachers or faculty members.
 - Webinars would be a great way to reach teachers because webinars times can be changed to match the audience, and webinar recordings can later be accessed at any time.
- Potential topics?
 - We could let people give examples of what they are doing at their own institutions.
 - Amy Bolton: perhaps a way to think about the audience is end users vs. developers of content. So we can have two categories of webinars (one for the collections community and one for end users like teachers).
 - We should poll the community to get our webinar topics.
 - We need to get specific topics instead of general ones like “k-12 education”
 - Marcia & Fang: gathering that info alone would be a huge contribution to the research base-- what people are doing and areas in which they’re concerned and interested in developing
 - Marie Studer: go back to the community who gave you those responses and give them feedback on surveys.
 - Molly will go through previous surveys with Shari Ellis and compile broad topics for the EOWG.
 - The EOWG will send Molly specific topics from that broader list. She will compile the topics and send back out to the EOWG to review.

- The list will be finalized at the EOWG discussion group.

High School Student Focus Group

- iDigBio is interested in hosting a day-long focus group with high school students to assess whether they are an appropriate audience for a workshop geared towards using biodiversity data (the iDigBio portal) in the classroom.
- This idea stemmed from a collaboration between Bruce and an Education Faculty member at UF (Kent Crippen).
- We could include GED students as well to broaden participation.
- Undergraduates are also an important audience to engage in using the iDigBio portal.
- Is the database not accessible to students? With proper instructions, they will be able to use it.
- Does data carpentry fit here given the FL and NY coding requirements for HS students?
- Before we conduct this focus group, we would like to discuss with TCN partners to gauge broader interest in conducting workshops with high school students within our community.
 - Several participants voiced that they would be interested in participating.
 - If you are interested in the initial brainstorming and focus groups, let Molly know.

E&O Working group onsite meeting and/or discussion meeting at the Summit V

- Would we like an EOWG discussion group at the Summit V?
 - It is nice to have a face-to-face meeting.
 - Many people are already going to the Summit. Amy is located in close proximity to the meeting, so she could come for the discussion session. Marie Studer is not going but a colleague from
 - Remote participation during the discussion session and Molly work out the logistics.
 - Anne is conducting a STEAM discussion session as well.
 - We will plan to discuss the webinar topics proposed by the group, and the audience matrix.