

The HUB: then and now

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iDigBio External Advisory Board Meeting
2012 (Project Year 1)
Supported by NSF Award EF-1115210

HUB 5-year mission (per NSF 10-603 and agreement)

- oversee the development of a community implementation plan to accomplish digitization of the existing biodiversity collections in the U.S.,
 - IDigBio plan by May 2012, community plan in June-Dec 2012
- coordinate the NSF-funded digitization of biological collections efforts, foster partnerships, training, and innovations, facilitate workflows
 - Started, e.g. internal advisory meetings (TCN + iDigBio)
- serve as a central site for integrating data and techniques, monitor data online in a timely manner and regular schedule
 - Design and development ongoing, first release June 2012
 - Host servers/web sites/applications and store images
- establish cohesion and interconnectivity among digitization projects funded by this program or other existing and future digitization activities, and enable ongoing communication between partners in the digitization activity.
 - Started, e.g. Internal Advisory Committee, forums, workshops ...

HUB 5-year mission (per NSF 10-603 and agreement)

- responsible for performing a variety of functions in order to unite the collections community, oversee implementation of standards and best practices for the collections, help to identify gaps and priorities for digitization efforts, plan for the long-term sustainability of the national resource, facilitate communication and standards for training, facilitate identification and adoption of instrumentation and informatics tools that improve efficiency and scalability of digitization and assure that results are disseminated to the scientific community utilizing collections, the national collections community, and other similar efforts internationally. In order to accomplish many of these goals, the national resource will organize workshops and smaller working groups focused on pertinent topics.
 - Several Summit-identified workshops
 - Online Workshop/Work Group application form and selection process

HUB 5-year mission (per NSF 10-603 and agreement)

- facilitate implementation of digitization and data interoperability as well as enable links with existing digitization projects and other national and international entities that promote biological research based in collections, collections standards, and training necessary for the digitization through thematic networks.
 - IT standards workshop, intent to train on georeferencing, ...
 - Social bottlenecks and slow standards processes and acceptance
- The national resource will need to establish a community-wide plan for storage, maintenance, access, and long-term preservation of digital data through partnerships with appropriate cyberinfrastructure resources.
 - Year 2 item, must be preceded by implementation plan (Jun-Dec 2012)
 - Year 1 requests required immediate solutions to host storage and tools
- As part of its mission to enable digitization of the U.S. existing biological collections, the awardee will collaborate with Florida State University on the integration of the TCNs, digital archive of images, related digital data and cyberinfrastructure
 - Started and ongoing

HUB 5-year mission (per NSF 10-603 and agreement)

- promote and coordinate outreach activities for research, education, and downstream user communities in academia, government, non-government organizations, and private organizations, and facilitate novel and traditional uses of collections data.
 - Building infrastructure to enable in Y2
- Documenting the use of digitized collections data will be an important function of the organization, which should maintain a living resource that tracks research outcomes, outreach activities, and innovative discoveries that result from this support.
 - Year 2, as collections become available
- Given the available resources of the national resource a plan will be developed that specifies: the outreach tasks, intended learning outcomes, geographic distribution of impact, and program evaluation processes.
 - Year 2, as collections become available

Conclusions

- IDigBio is delivering on the expectations for the Hub
 - Ahead of schedule on several deliverables
 - Additional unanticipated immediate needs of the community also had to be addressed
 - Host servers/web sites/applications and store images
 - Provide archival, backup and temporary storage
 - Ingest images and (soon) data