NSF Collections Programs: Future of Funding for Small Collections



Roland P. Roberts, Program Director Collections in Support of Biological Research Division of Biological Infrastructure Biological Sciences Directorate 19 May 2014 Small Collections Webinar SCNet



Advancing Digitization of Biodiversity Collections (ADBC) - Program Goals

- Digitize (image) existing, vouchered, curated specimens owned by nonfederal U.S. collections
- Include available ancillary material
- Build on existing resources
- Innovate to improve process
- Collaborate to increase numbers of specimens
- Research grand challenges as rationale for digitizing specimens
- Link to & collaborate with national resource: iDigBio
- Train next generation and inform public
- Deadlines are the 3rd Friday in October

ADBC – Thematic Collections Networks (TCN) Important for review

- Research justification for specimens
- Assessment of importance of specimens for the theme
- Innovative and efficient methods to lower cost
- Collaboration across institutions and across collection types
- Project management plan, task analysis, data management
- 2-4 year awards
- Integration with iDigBio (data, outreach)

ADBC Partners to Existing Networks (PEN) Important for review

- Add information to existing network projects
- Should fit the TCN why appropriate
- Fill in gaps for coverage and increase specimens to meet research theme
- Enhance outreach/training/education
- Improve data management of collection
- Increase collaboration and accessibility
- 1-3 years with TCN additional support (25K)
- PEN proposals may continue beyond term of TCN if TCN continuing to be active (society, etc.)

Collections in Support of Biological Research (CSBR)

- Combines BRC (NH collections) and LSCBR (Living stocks)
 - 1. Natural History Collections
 - 2. Living Stock Collections
 - 3. Ownership Transfer

Encouraging digitization and open data access integration into all collections-securing activities

CSBR - Overview

- Ongoing since ca. 1993 (in various forms)
- Supports activities to secure important collections
- Focus on urgency, impact, innovation, accessibility
- Moved to biannual cycle in 2012; BACK TO ANNUAL; August 11, 2014 (NSF 14-564); July 13, 2015
- **Deadline Second Monday July**



Collections in Support of Biological Research (CSBR)

PROGRAM SOLICITATION NSF 13-557

REPLACES DOCUMENT(S): NSF 11-558



Directorate for Biological Sciences Division of Biological Infrastructure

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

July 16, 2013

July 13, 2015

Second Monday in July, Every Other Year Thereafter

IMPORTANT INFORMATION AND REVISION NOTES

- he competition is now bienelal
- The due date is a deadline instead of a target date
- he third track, is isometer collection ownership, is changed from supplemental funding is a standard track ious language read that all specimens handled, if not previously digitized, must be digitized, whereas now this
- ruvision applies only to scientifically significant specimens.
- he Home Uniting Biocollections (HUB), supported by ADBC, has been updated to refer to (DigBio (www.icligbio.org) Grants are awarded up to 3 years and \$500,000
- he only accepted statements of support are a one-case letter affirming institutional support and/or letters of collaboration priferming to the template provided in Section Y. A. Proposal Preparation Instructions of the solicitation. Any deviation easily in reduce without review

CSBR - Challenge:

Mobilize collections "dark data"

- Collections hold priceless biodiversity information
- Much inaccessible, inconsistent (small??)
 - Ancillary data may not be linked, usable
 - Identifying knowledge gaps impossible
 - Use of data for modeling, meta-analysis unreliable





Other sources of support

- Inside NSF Programs such as Major Research Instrumentation (MRI), Advances in Biological Informatics (ABI), Dimensions of Biodiversity (DoB), Genealogy of Life (GoLife)
 - Request support on research awards for handling collections and preparing them for long term preservation and access (digitizing).
 - 2. Should be in the Data Management Plan (see GPG: "types of data, samples, physical collections,..." are included as part of this document)
- Outside NSF IMLS, USDA or other agencies that deposit collections with you, GBIF, state and regional, your local library for digitization/storage
- Be creative

Questions?

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