

Updates from NSF

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Current Status of ADBC

- Thirteen TCNs in program
- New technologies, new approaches, new taxa, new regions of country, new institutions
- 202 institutions now involved
- 50 states, one territory, and a link to Canada
- New set of proposals arrived Oct. 17 (7 TCN, 7 PEN) – expect to fund 1-2 new TCN, 3-4 PEN
- Program will be managed by DBI in future, once a budget is approved for FY15





Notes for ADBC program

- Information sheet on the iDigBio web site
- Remember importance of integration with iDigBio for not just data, but outreach, training, workflows, sharing practices, etc.
- Note project management, integration of other data, importance of the research theme-
- If award made, don't forget about these items

Other NSF activities for collections

- New Research Coordination Network for community - sustaining the effort of integration of collections data – 5 years
- NSF Challenge award for imaging insect trays – 1 year challenge
- New postdoctoral area for research to utilize collections (innovative research and mentoring for future career important) 5 year program



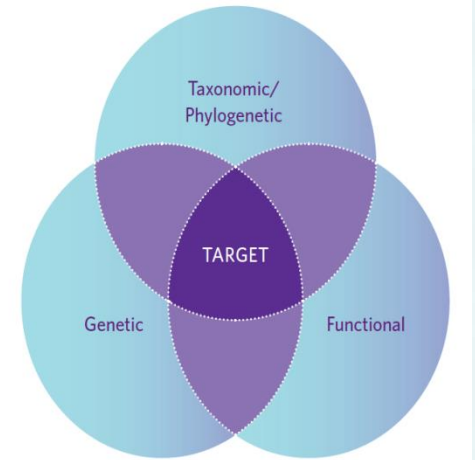
Research Opportunities

Where do we go to answer the theme we proposed?

- Special programs
 - BIO – Macrosystems (innovative, integrated, systems-oriented macroscale biology)
- Core programs in BIO
 - Systematics and Biodiversity Science
 - Ecosystems
 - Other DEB programs
- Core programs in GEO
 - Paleontology in Surface Earth Section
 - Earth – Life Transitions (new solicitation soon)
 - programs change, check often



Research opportunities



- Dimensions of Biodiversity

- Integrated understanding of key but unknown dimensions of earth's biodiversity
- Three key areas to be integrated in projects: phylogenetic/taxonomic, genomic, functional
- Integrative, innovative, rapid advances important
- Specimen data generated goes to iDigBio and specimen use encouraged
- Some shared Pis, but more could address research



Research Opportunities

Genealogy of Life (GoLife)

- Resolve the phylogenetic history of ALL life -- living and extinct
- Train the integrative phylogenetic biologists of the future
- Synthesize organismal data with the genealogy of life
- Specimen data goes to iDigBio: encourages integration of specimen data as a data layer



Genomic, Phenomic, Temporal, Ecological, Behavioral, Digitized specimens, Fossils, Stratigraphy, Ontologies, Developmental Pathways, etc.