Division of Biological Infrastructure (DBI)
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Human Resources Cluster
- Research Coordination Networks (RCN-UBE)
- Postdoctoral Research Fellowships in Biology
- Research Experiences for Undergraduates (REU)

Research Resources Cluster
- Advances in Biological Informatics (ABI)
- Collections in Support of Biological Research (CSBR-previously BRC)
- Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Labs (FSML)
- Instrument Development for Biological Research (IDBR)

Centers
- NESCent, NIMBIOS, STCs (BEACON), etc.
Centers currently managed by DBI

**Centers for Analysis & Synthesis**
- National Socio-Environmental Synthesis Center (SESYNC)
- National Evolutionary Synthesis Center (NESCent)
- National Institute for Mathematical and Biological Synthesis (NIMBioS)

**Science and Technology Centers (STCs)**
- Bio/computational Evolution in Action Consortium (BEACON)
- Center for Microbial Oceanography: Research and Education (C-MORE)
- Biology with X-ray lasers (XFEL)

**Nanoscale Science and Communication Centers**
- Environmental aspects of nanotech (Duke/UCLA)

**Science of Learning Centers**
- Role of time and timing in learning (TDLC) - UCSD
DBI infrastructure portfolio: visualizing impact
Examples of BIO and DBI cyberinfrastructure awards
(ABI and related programs)
Recent CI Investments in BIO Priority Areas

- Neuroscience
- Synthetic Biology
- Genomes to Phenomes
- Earth, Climate and Biosphere
- Biodiversity

ABI, SI^2, CHE
ABI, SI^2
ABI, SI^2, Earthcube, ES
ABI, SI^2, STCI, Earthcube
ABI, SI^2, Earthcube
Collections in Support of Biological Research (CSBR)

• **Supports**
  – Improvements to Natural History Collections and partial maintenance of vital Living Stock Collections

• **Challenges**
  – NHCs and LSCBRs have different needs
  – “Collections Conundrum”
  – Reduced institutional commitments to infrastructure = more desperate CSBR requests
  – Current scientific climate values NHC data, LSC resources for new discoveries
Field Stations Program: Ongoing initiatives

• NSF Supported Study of Field Stations and Marine Labs by Organization of Biological Field Stations and the National Association of Marine Labs. Spring 2013.

• Board of Life Sciences, National Academy, study of Field Stations, Marine Labs and Natural Reserves. Ongoing.

• Regional planning activities
  • Harvey: Marine Science Village at Moss Landing Marine Laboratories
  • Whipple: Regional Research Vision for Connecting & Enhancing Field Stations
  • Fiedler: Mediterranean Reserve Managers International Training Cooperative