

Informatics Services

Museum informatics and research computing for biodiversity and cultural heritage museums and collections

Portfolio

Current Projects

- CollectionSpace operations and support
- CollectionSpace deployments planning
- BNHM-IST Partnership
- Infrastructure and platform consolidation
- Research data management planning and resources

Completed Projects

- Evaluation of campus needs related to NSF scientific data management plans
- CineFiles Redesign (CalShare project site)
- BNHM-IST Partnership
 - Collection management system evaluation
 - Botanical Garden Plant Propagation Information (with IST-AS Web Apps)
 - Chignik Replacement - darwin
 - MVZArctos: FGA and VPD implementation
 - BNHM Loans: analysis and alternatives
 - SMaSCH-CollectionSpace design analysis
 - Essig-CollectionSpace design analysis

Supported Systems and Applications

- CineFiles (Pacific Film Archive)
- SAGE (UC Botanical Garden)
- Spiro (College of Environmental Design Visual Resource Collection)
- BLC Collections (Berkeley Language Center)
- Seurat (History of Art Visual Resource Collection)
- SMaSCH (University and Jepson Herbaria)
- MIP Image Archive (Campus-wide)
- BerkeleyMapper (BNHM)
- CalPhotos (BNHM, campus)
- Essig CMS (Essig Museum of Entomology)
- UCMP CMS (UC Museum of Paleontology)
- AmphibiaWeb (BNHM)
- Biocode DB (BNHM)
- Docubase (BNHM)
- BNHM web sites (BNHM)
- BNHM data warehouse (BNHM)
- Business Objects reporting environment (UC Botanical Garden, HAVRC)
- MVZ Arctos (Oracle) database administration
- Archon archival management system (UCJeps)
- UCMP Loans List

Operations and administration

- Sybase database administration
- System administration (Linux, Unix, Windows)
- Webfarm administration

Informatics Services Team

Services and Specialties

- Collection management systems
- Visual resource collections
- Data management and analysis

- Data exchange, integration, and dissemination
- Digital asset management and repositories (media vaults)
- Taxonomies and controlled vocabularies
- Semantic services and ontologies
- Geospatial services and mapping
- Visualization
- Genomic information
- Field Information Management Systems (FIMS)
- Laboratory Information Management Systems (LIMS)
- Informatics consulting
- Grant-writing
- Application development
- Systems hosting and support
- Liaison and brokering of services with other providers
- Version control
- Digital image processing and derivatives

More information can also be found on the following web sites:

- [Museum Informatics Project \(MIP\)](#)
- [Biodiversity Sciences Technology \(BSCIT\)](#)

Assignments and resource forecasts

- [Resource forecast](#) (June 2010 - December 2010), updated June 24, 2010

Contacts

Coming soon

Infrastructure

- [Draft list](#)
- [Infrastructure consolidation goals, issues, and approaches](#)

Unit Description

The Informatics Services unit works with faculty, museum, academic and research communities to identify, develop and deliver cyberinfrastructure and informatics solutions to the campus. The goals of this unit are directly linked to the education, research and outreach missions of the university as stated in the Campus-wide [Information Technology Strategic Plan](#). Informatics Services is particularly concerned with: collection management systems; digital asset management and repositories (media vaults); controlled vocabularies; semantic services; data exchange, integration and dissemination; and interfaces with services that provide other functionality, such as geospatial services and visualization.