

**Support for
Digitization and
Informatics**

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Informatics Activities

- Provide portal access to collection information
 - Make information available and discoverable
 - Include both metadata and media
- Enable digitization and research
 - Facilitate digitization workflows
 - Oversee implementation of standards and best practices for digitization
- Be a client of digitization projects
 - Actively seek partners and data sources
 - Respond to cyberinfrastructure needs

Interactions with GBIF and Bison

- We will be extending the GBIF capabilities
 - Full record-level information discovery and delivery
 - Metadata harvesting protocols
 - GUID per record with persistence
 - Attribution metadata with all data records
 - Media information ala Audubon Core
- We will be a GBIF cyber infrastructure partner
 - IPT additions for Audubon Core
 - Darwin Core Archive delivery of query results
 - Adaptation of IPT to produce results on demand
- We will be an information provider
 - Export to GBIF and Bison, as appropriate

Attribution and Feedback

- Bi-directional portal
 - Feed back from data users to providers (e.g. data quality)
 - Usage analytics
 - Attribution to providers from analysis
- Annotation management
 - Support for creating annotations
 - Repository for annotation
 - Deliver of annotations to providers
 - Interaction with Filtered Push and Morphbank-Specify-Ontobrowser collaboration

Support for Digitization Projects

- Advocate standard practices in digitization
- Use metadata standards
- Provide taxon name services
- Participate in workflow development
- Share digitization practices across domains
- Hold workshops for education and sharing
- Enable and encourage social networking and collaboration
- Enhance and develop tools
 - Seek additional funding

Supporting Specimen Identifiers

- Uniqueness
 - Uniqueness validation on ingestion to portal
 - Id similarity resolution service
- Persistence
 - An identifier refers to a single object
 - Portal management of persistence
- Access to metadata and media: i.e. resolution
 - Portal resolution service (identifiers.org)
 - Management of replica ids
 - Use of relationships to keep track of metadata records in addition to specimen data
 - An iDigBio id will be added to all metadata records using a suitable relationship (e.g. “source of”)