

Digitization Workflows and Processes

Integration Activities and Identifiers



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External Advisory Board
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Digitizing Biological Collections

Assessing Digitization Practices in Biological and Paleontological Collections

28 Collections

10 Museums

Spanning biological and paleontological collections
Insects and other invertebrates, plants, birds, mammals
Wet, dry

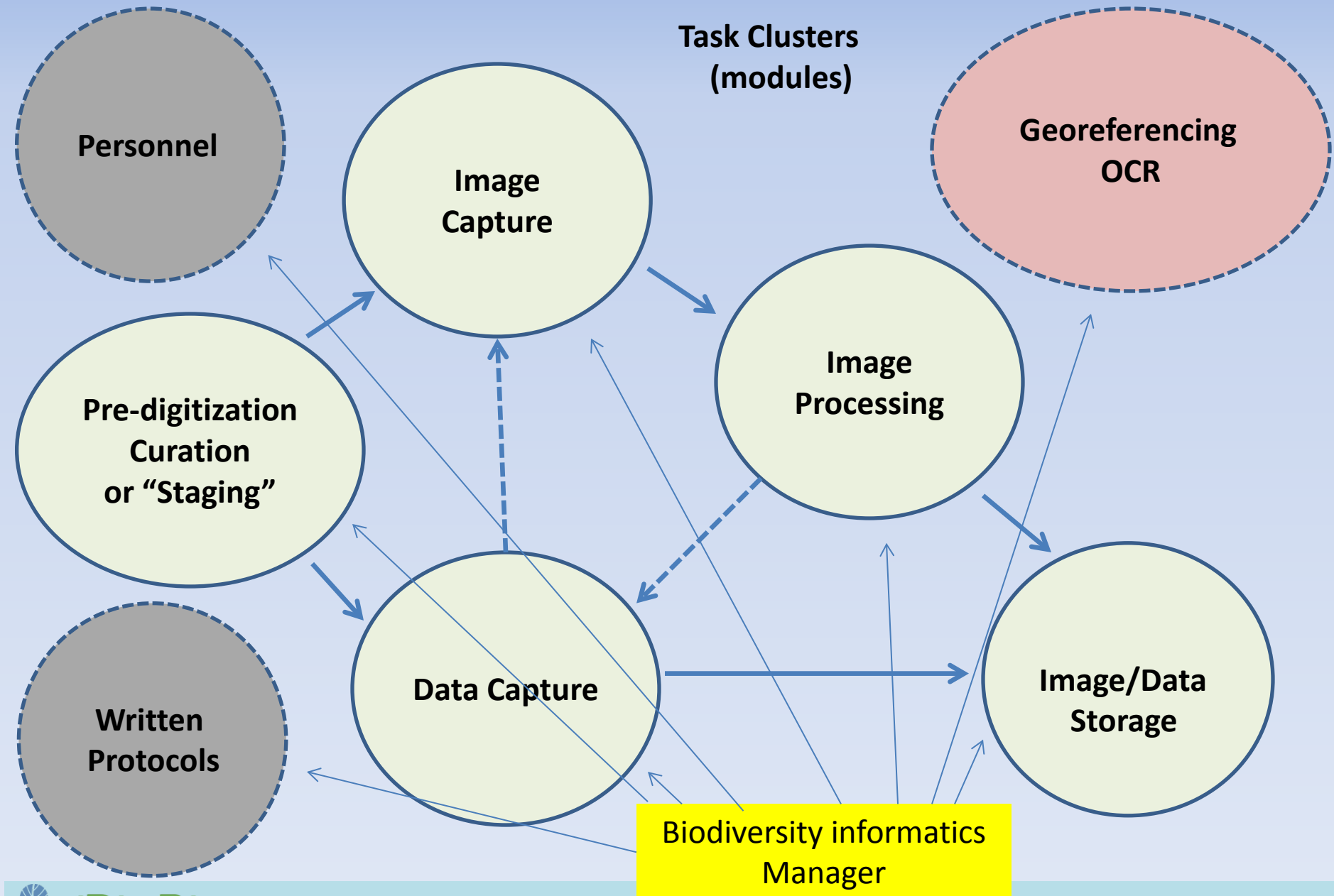


Five task clusters that enable efficient and effective digitization of biological collections

Gil Nelson, Deborah Paul, Gregory Riccardi, Austin R. Mast



Digitizing Biological Collections



Digitization Working Groups

- Visits to collections in early 2012
- Digitization workflows workshop in May 2012
 - Began development of workflow modules and tasks
 - Identified need for workflow working groups, segmented by preparation type.
- The Flat Sheets and Packets Working Group
 - Completed modules and associated tasks for herbarium and related collections
 - Workshop September 2012
- 3D Objects in Spirits in Jars
 - Meeting in March 2013
 - Workflows for fluid-preserved specimens.
- The Pinned Things in Trays and Drawers
 - Has finished and posted its work for entomology
 - Workshop April 2013
- Informatics managers working group
 - Career track development and education
 - Starting March 2013
- Paleontology workflows group to start work in April
- Whole-Drawer Digitization Interest group in
 - Collaboration with partners in Australia, U.S., Netherlands, Germany, U.K.
 - Organizational meeting scheduled for April 2013.

Value Added Nature of Integrated Data

- Integration
 - Software tools for information workflows
 - Symbiota, Specify, FilteredPush, Geolocate
 - Information
 - Taxon names and concepts with GNA and TNRS
 - Identifiers for specimens
- Synergy
 - Example: Augmenting OCR working group
 - Integrate Symbiota with other projects: Salix, Herbis/Labelx
- Adaptation to innovative tools and methods
 - Lots of potential, but not
 - Open Refine! being considered for cleaning, enhancing, etc.

Identifiers

- Lots of foment in community
- We need to
 - Emphasize identification of specimens
 - Help providers to see value of specimen identifiers
 - Remove obstacles to adoption
 - Move forward in spite of problems
- Current suggestion
 - UUID as basis of identifier
 - URI with embedded UUID
 - urn:uuid:f47ac10b-58cc-4372-a567-0e02b2c3d47
 - ark:/87286/B2/f47ac10b-58cc-4372-a567-0e02b2c3d479