MetaArchiving Diatomscapes and FSU "Flying High" Circus Digital Collections:

Using Aspects of The DCC Curation Lifecycle Model

Data Digital Object



cces. Use & Reuse

DigiTool Open Repository -FSU "flying High"Circus Collection

Data Digital Obiect or Databases

cces, Use & Reuse

Picasa & flickr Social Software -Diatomscapes I & II

Preservation

Preserve

Curate

Florida Digital Archive (Dark) -Diatomscapes I & II

Planning





Florida Digital Archive (FDA) - Package Name; Ingest Time; Title; id; name; md5; sha1; size (online collection preservation



Collections with green IDS are marked to be preserved (their

archival units are part of the title database - Auburn Cap | FSU Cap | GA Teach Cap | Lou Cap | Rice | VT preservation caches

❖This poster will use text, images, and screen captures to show aspects of The DCC Curation Lifecycle Model involved in the online digital collection building and preservation of Diatomscapes and FSU "Flying High" Circus archival digital objects. The Diatomscapes digital collection consists of thirty-eight images of biological silica produced from JEOL JSM-840/FEI Nova Nano SEM 400 scanning electron miscropes and the FSU "Flying High" Circus digital collection consists of onehundred and fifty black & white images and 1 short video created create from a TTI overhead, fixed-back scanner. Both projects are case studies in the application of The DCC Curation Lifecycle

> Working closely with Florida State University Biological Scientist, Dr. A.K.S.K. Prasad, the FSU Libraries Digital Library Center has begun the application of several aspects of The DCC Curation Lifecycle Model to the curation of Diatomscapes, images of biological silica. The preservation and store aspects of The DCC Curation Lifecycle model applied to Diatomscapes utilizes the MetaArchive, distributed digital preservation network and the Florida Center for Library Automation (FCLA) Florida Digital Archive (FDA). The access, use, & reuse aspects of The DCC Curation Lifecycle model applied to Diatomscapes utilizes Picasa and Flickr whereas FSU "Flying High" Circus utilizes FSU Libraries Digital Collections (DigiTool) . However, Diatomscapes exist as restricted on-line digital collections in Picasa and Flickr pending publication of species name new to science at which time the digital collections will become open and available in FSU Libraries Digital Collections (DigiTool).

>Working closely with Florida State University Special Collections department, the FSU Libraries Digital Library Center has developed the FSU "Flying High" Circus online digital collection in FSU Libraries digital content management system (DigiTool) with archival tiff images preserved via

The goals of both projects are to create the following:

•Increase awareness, exposure, and application of The DCC Curation Lifecycle Model to digital objects within the biological science research disciplines with future interdisciplinary introduction

Develop a current, best practices, and extensible digital preservation strategy

•Increase access, use, and use of digital objects via catalog, social networking tools, and OCLC

✓ ACRL 14th National Conference - 3/15/09 Poster Session (Block Five)

√4th International Digital Curation Conference - 12/2/08 Poster Session

✓ SPARC Digital Repositories Meeting 2008 - 11/17/08 Innovation Fair

✓ FSU Libraries Digital Collections – FSU "Flying High" Circus (DigiTool) – Fall 2007

Diatomscapes are images of biological silica and consists of diatoms ("microscopic, single-celled plants that thrive in freshwater, saltwater, brackish water and even semi-terrestrial environments" (Prasad, 2005)) and Radiolarian ("amoeboid protozoa that produce intricate mineral skeletons" digital images developed by Florida State University's Department of Biological Science faculty member, Dr. A.K.S.K. Prasad. Diatomascapes II is another collection of images of biological silica. The term Diatomscapes was developed by FSU Biological Scientist Dr.











FSU Flying High Circus Collections includes 152 black & white images and 1 short video highlighting FSU students that performed in the FSU Flying High Circus from the 1950s - 1960s. The collection also includes one digitized copy of the 1952 FSU "Flying High" Circus Program highlighting circus events from the May 1 - 3, 1952 performance from the Florida State University Libraries Special Collections







Faculty acknowledgement

"I am very pleased that my diatom images are now digitally archived as part of the pilot program for [Florida Digital Archive - FDA] digital preservation. I am honored to be partnering with [FSU Digital Library] and your colleagues [Florida Center for Library Automation - FCLA] on this innovative program. Kindly extend my thanks, on my behalf, to Ms. Motyka and Ms. Caplan for their contributions to the success of this important aspect of our collaboration. I hope it is just the beginning for a long and mutually beneficial partnership between scientists and digital technologists. Thank you again for this exciting news. You made my day". - Dr. A.K.S.K. Prasad, FSU Biological Scientist

LOCKSS Manifest page - grants permission for LOCKSS to crawl and harvest archival units represented as URLs (hyperlinks)

MetaArchive - Diatumscapes 1 oc 11 oc FSU "Flying High" Circus collections

The DCC Curation Lifecycle Model - The DCC Curation

preservation of data from initial concentualization or

model enables granular functionality to be mapped

the stages required for successful curation and

Lifecycle Model provides a graphical high level overview of

receipt. The model can be used to plan activities within an

organization or consortium to ensure that all necessary

stages are undertaken, each in the correct sequence. The

against it: to define roles and responsibilities, and build a framework of standards and technologies to implement. It

can help with the process of identifying additional steps

which may be required, or action which are not required

by certain situations or disciplines, and ensuring that

processes and policies are adequately documented

Plato L. Smith II | Digital Library Department Head | Associate University Librarian Florida State University | FSU Libraries | Tallahassee, FL | USA 850-644-3053 - Office | psmithii@fsu.edu



Points to RDI

Descriptive Data from

conspectus database

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he DCC Curation Lifecycle Mode

Curate

Data Digital Object

or Databases

Representation

Information &

Description

Preservation

Planning

Community Watch & Participation