



EVIA Digital Archive:
A Visual Take on Digital Humanities
Collaboration

Alan Burdette
Jon Dunn
Indiana University

EVIA Digital Archive

Ethnographic Video for Instruction & Analysis

Co-Principal Investigators:

Ruth Stone, Indiana University

Lester Monts, University of Michigan

Director: Alan Burdette, Indiana University

- Ethnographic
- Video
- Instruction
- Analysis

- Ethnomusicology
- Folklore
- Anthropology
- Ethno-Choreology
- Area Studies
- History
- Linguistics

Indiana University

University of Michigan

Mellon
Foundation

Archives
of
Traditional
Music

Institute for
Digital Arts and
Humanities

University
IT Services

Folklore and
Ethnomusicology
Dept.

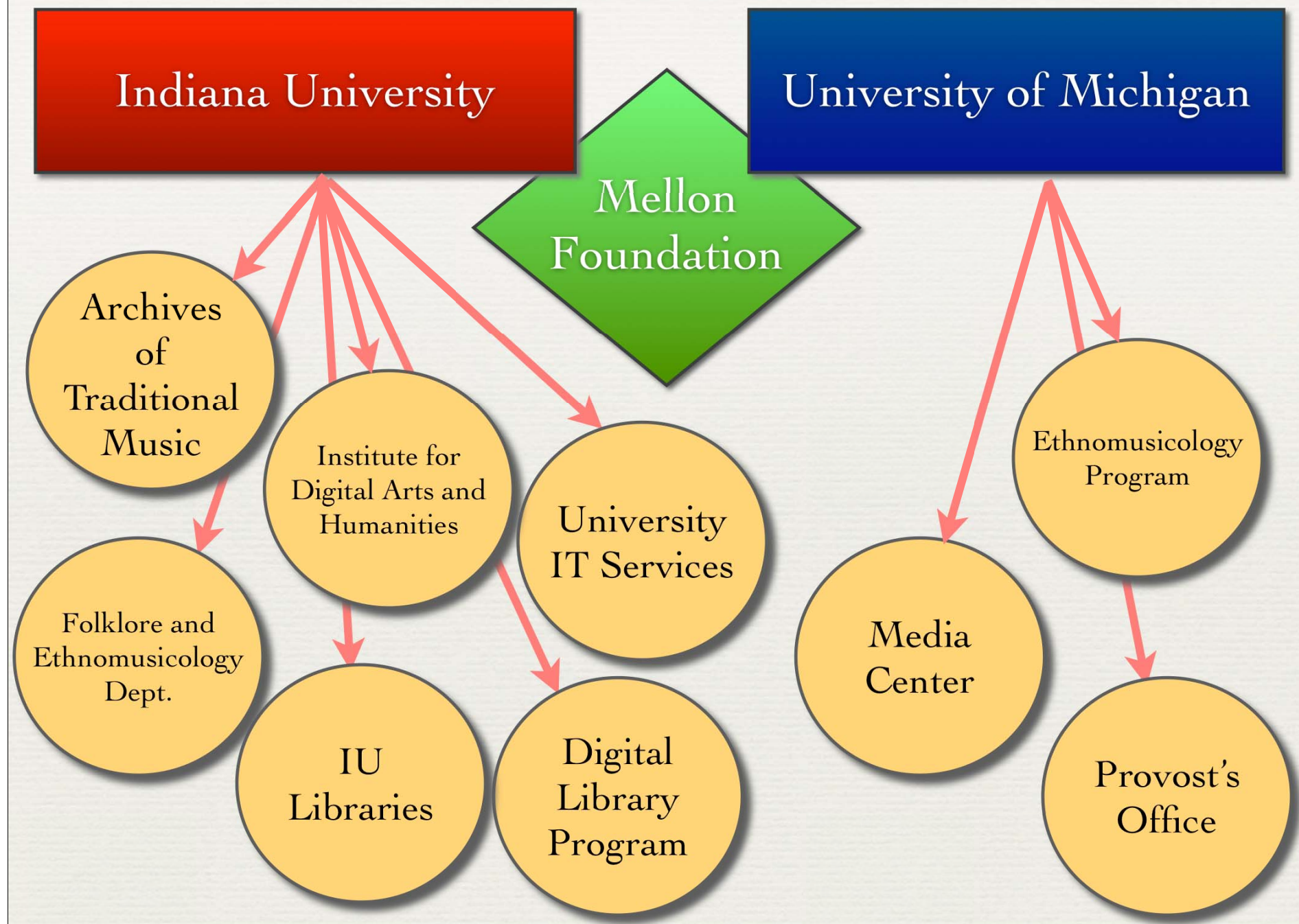
IU
Libraries

Digital
Library
Program

Ethnomusicology
Program

Media
Center

Provost's
Office



Project History

- Planning Phase 2001
- Development 2002 - 2006
- Implementation Phase 2006 - 2009
- Total Mellon Funding = \$2.5 million US

Project Mission

- Preservation
- Access
- Documentation Solutions
- Intellectual Property Solutions
- Technology and Systems Development



Closer Integration of ...

- Ethnography
- Archiving
- Research
- Publication
- Instruction



... within a collaborative framework ...

Documentation

- Descriptive Metadata
 - ~ METS/MODS compatible XML
 - ~ MARC collection record/MODS for segments
 - ~ Stored and Accessed using Fedora
- Technical Metadata
 - ~ Modified AES Model
- Controlled Vocabulary Assignment
 - ~ LCSH, Getty Thesaurus, Arts and Architecture Thesaurus

Selection & Publication Process

- CFP and committee review of applications
- Preservation transfers made (10 hr collections)
- Annotation workshop (2 wks)
- Editorial review
- Peer review
- Copy-editing



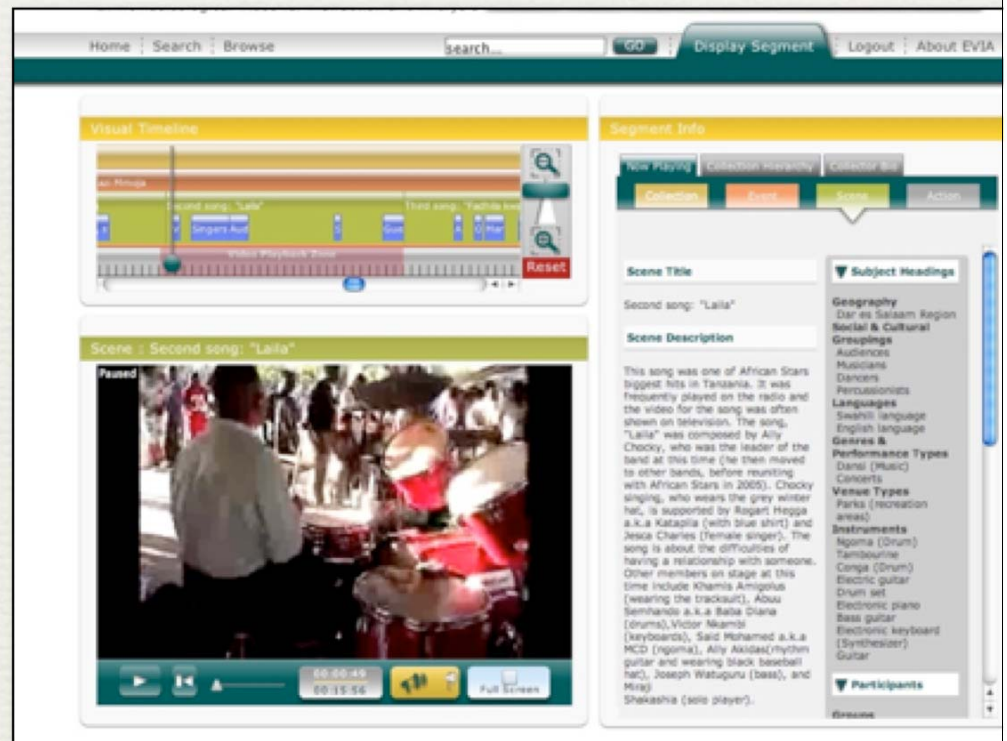
Access and Publication

- Cataloging and subject indexing
- Peer reviewed publishing
- Online search and retrieval
- Legal and ethical controls
- PURLs



Access Schedule

- Access through University domains or individual permission and SEM membership
- First set of collections ready Jan. 2009 on limited basis



Intellectual Property

- Fair Use Stance
- Educational Frameworks
- Agreements Required of Depositors
- Blocked Content Capabilities of system




Preservation Workflow

- A/D and D/D transfer
 - ~ U. of Michigan Duderstadt Media Center
 - ~ Checksum and Technical Metadata generated
- File Transfer to IU
- QA and Checksum
 - ~ More Technical Metadata generated
- File, Checksum, and TM to Mass Data Storage

Preservation Transfers

Past

- ~ Analog Source to Digibeta Dub and I-frame only 50 Mbps MPEG2, or DV source to DV file
 - ~ Mass Data Storage System at IU
 - ~ 4 TB per 150 hours
- 

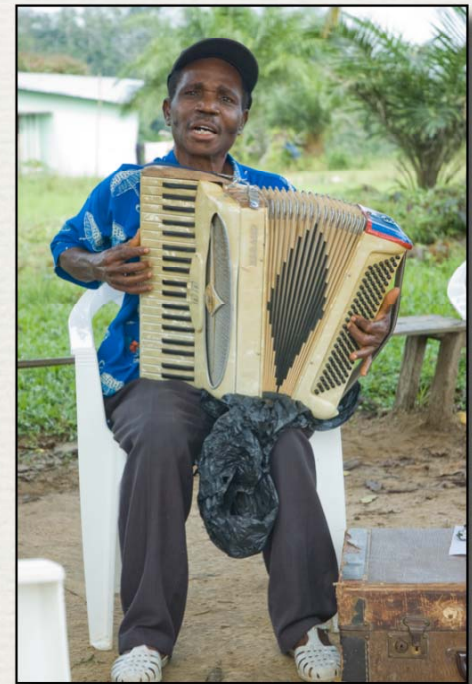


● Present

- ~ Analog source to Uncompressed file (250 Mbps .mov)
- ~ Mass Data Storage System at IU
- ~ 18 to 30 TB per 150 hours

Current Status

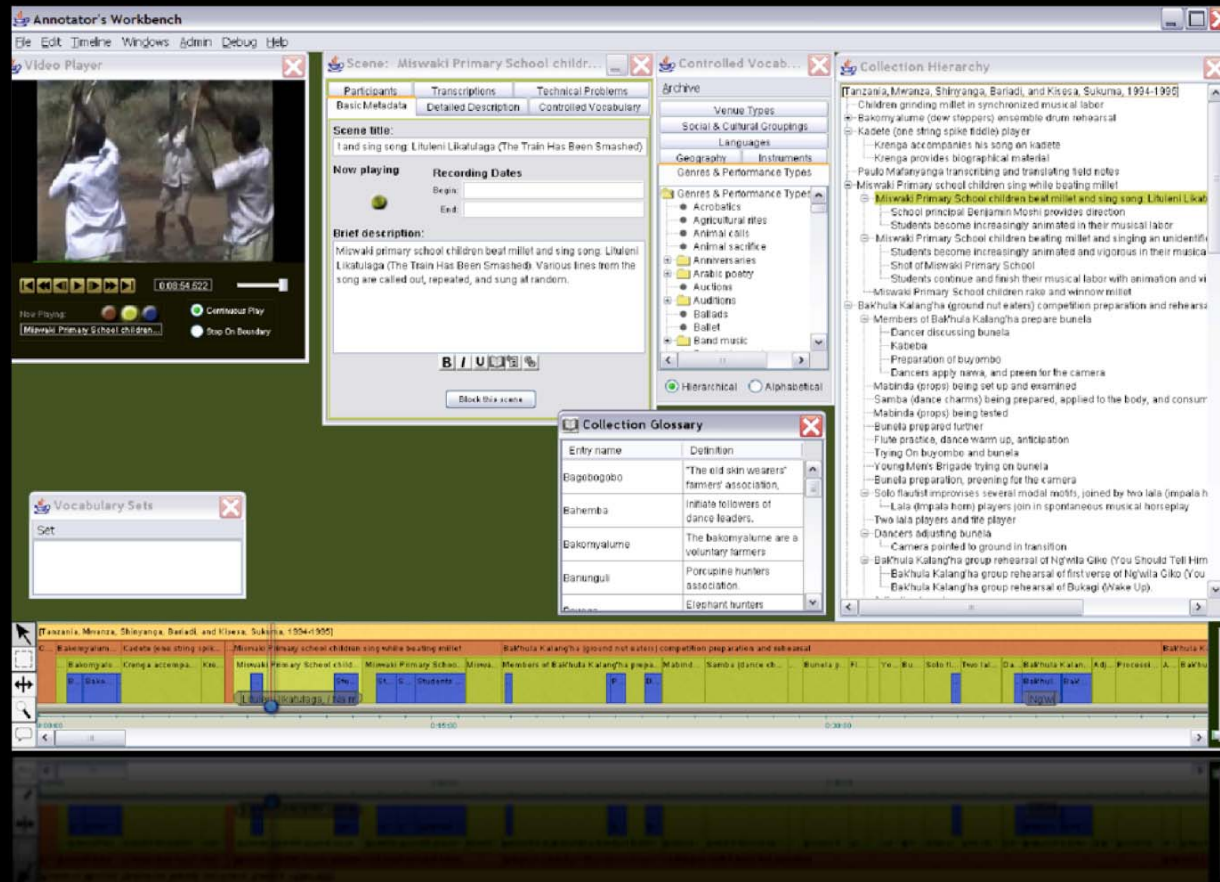
- 600 hours preserved by June 09
- Testing in field environments
- 3 collections published - 45 more in various stages of completion
- Semi-public launch by Jan 1



Application Development

- Technical Metadata Entry Tool
- Controlled Vocabulary and Thesaurus Maintenance Tool
- Annotator's Workbench
- Reviewer's Tool for Peer Review
- Publication Workflow Tool
- Online Search and Browse Tool

The Annotator's Workbench



Annotator's Workbench
File Edit Timeline Windows Admin Debug Help

Video Player

Now Playing: **Miswaki Primary School children...**

Continuous Play

Stop On Boundary

Scene: Miswaki Primary School childr...

Participants
Transcriptions
Technical Problems

Basic Metadata
Detailed Description
Controlled Vocabulary

Scene title:
I and sing song: Lituleni Likatulaga (The Train Has Been Smashed)

Now playing

Recording Dates
Begin:
End:

Brief description:
Miswaki primary school children beat millet and sing song: Lituleni Likatulaga (The Train Has Been Smashed). Various lines from the song are called out, repeated, and sung at random.

Block this scene

Controlled Vocab...
Archive

- Venue Types
- Social & Cultural Groupings
- Languages
- Geography
- Instruments
- Genres & Performance Types
- Genres & Performance Types
 - Acrobatics
 - Agricultural rites
 - Animal calls
 - Animal sacrifice
 - Anniversaries
 - Arabic poetry
 - Auctions
 - Ballads
 - Ballet
 - Band music

☒ Hierarchical ☐ Alphabetical

Collection Hierarchy

- Tanzania, Mwanza, Shinyanga, Bariadi, and Kisesa, Sukuma, 1994-1995
 - Children grinding millet in synchronized musical labor
 - Bakomyalume (dew steppers) ensemble drum rehearsal
 - Kadete (one string spike fiddle) player
 - Krenga accompanies his song on kadete
 - Krenga provides biographical material
 - Paulo Mafanyanga transcribing and translating field notes
 - Miswaki Primary school children sing while beating millet
 - Miswaki Primary School children beat millet and sing song: Lituleni Likatulaga**
 - School principal Benjamin Mushi provides direction
 - Students become increasingly animated in their musical labor
 - Miswaki Primary School children beating millet and singing an unidentified song
 - Students become increasingly animated and vigorous in their musical labor
 - Shot of Miswaki Primary School
 - Students continue and finish their musical labor with animation and vigor
 - Miswaki Primary School children rake and winnow millet
 - Bakhula Kalang'ha (ground nut eaters) competition preparation and rehearsal
 - Members of Bakhula Kalang'ha prepare bunela
 - Dancer discussing bunela
 - Katiba
 - Preparation of buyombo
 - Dancers apply namwa, and preen for the camera
 - Mabinda (props) being set up and examined
 - Samba (dance charms) being prepared, applied to the body, and consumed
 - Mabinda (props) being tested
 - Bunela prepared further
 - Flute practice, dance warm up, anticipation
 - Trying On buyombo and bunela
 - Young Men's Brigade trying on bunela
 - Bunela preparation, preening for the camera
 - Solo flautist improvises several modal motifs, joined by two lala (impala horns) players join in spontaneous musical horseplay
 - Two lala players and the player
 - Dancers adjusting bunela
 - Camera pointed to ground in transition
 - Bakhula Kalang'ha group rehearsal of Ng'wila Giko (You Should Tell Him)
 - Bakhula Kalang'ha group rehearsal of first verse of Ng'wila Giko (You Should Tell Him)
 - Bakhula Kalang'ha group rehearsal of Bukagi (Wake Up)

Collection Glossary

Entry name	Definition
Bagobogobo	"The old skin wearers" farmers' association.
Bahemba	Initiate followers of dance leaders.
Bakomyalume	The bakomyalume are a voluntary farmers
Banunguli	Porcupine hunters association.
Bukagi	Elephant hunters

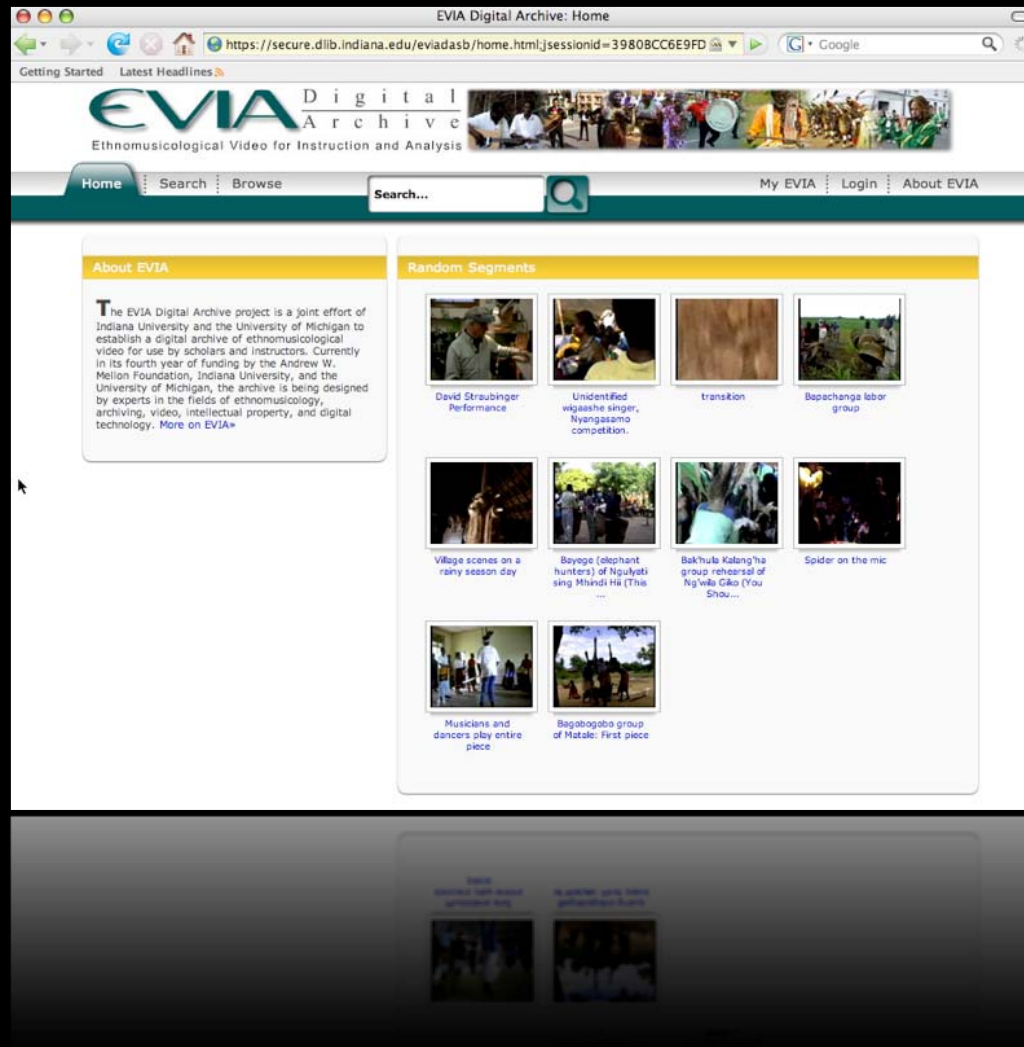
Vocabulary Sets
Set

Tanzania, Mwanza, Shinyanga, Bariadi, and Kisesa, Sukuma, 1994-1995

C... Bakomyalume... Kadete (one string spike fiddle) player... Krenga accompanies his song on kadete... Krenga provides biographical material... Paulo Mafanyanga transcribing and translating field notes... Miswaki Primary school children sing while beating millet... Miswaki Primary School children beating millet and singing an unidentified song... Miswaki Primary School children rake and winnow millet... Bakhula Kalang'ha (ground nut eaters) competition preparation and rehearsal... Members of Bakhula Kalang'ha prepare bunela... Dancer discussing bunela... Katiba... Preparation of buyombo... Dancers apply namwa, and preen for the camera... Mabinda (props) being set up and examined... Samba (dance charms) being prepared, applied to the body, and consumed... Mabinda (props) being tested... Bunela prepared further... Flute practice, dance warm up, anticipation... Trying On buyombo and bunela... Young Men's Brigade trying on bunela... Bunela preparation, preening for the camera... Solo flautist improvises several modal motifs, joined by two lala (impala horns) players join in spontaneous musical horseplay... Two lala players and the player... Dancers adjusting bunela... Camera pointed to ground in transition... Bakhula Kalang'ha group rehearsal of Ng'wila Giko (You Should Tell Him)... Bakhula Kalang'ha group rehearsal of first verse of Ng'wila Giko (You Should Tell Him)... Bakhula Kalang'ha group rehearsal of Bukagi (Wake Up)...

0:00:00 0:15:00 0:30:00

Online Search and Browse





Search By Keywords

About EVIA

The EVIA Digital Archive project is a joint effort of Indiana University and the University of Michigan to establish a digital archive of ethnomusicological video for use by scholars and instructors. Currently in its fourth year of funding by the Andrew W. Mellon Foundation, Indiana University, and the University of Michigan, the archive is being designed by experts in the fields of ethnomusicology, archiving, video, intellectual property, and digital technology. [More on EVIA»](#)

Random Segments



Blood and Thunder
Flute Band: William
Savage Memorial
Flute ...



Transition



Inside the chapel



Band Meeting



parade



Religious Service at
Parade Field



Men sing in house of
master of the
ceremony



Blood and Thunder
Flute Band

Search By Keywords

Refine Search

Collector

- [Gunderson, Frank](#) - [3]
- [Perullo, Alex](#) - [19]

Social & Cultural Groupings

- [Sukuma \(African people\)](#) - [3]
- [Gospel musicians](#) - [10]
- [Musicians](#) - [19]
- [Audiences](#) - [13]
- [Dancers](#) - [19]
- [Guilds](#) - [2]
- [Percussionists](#) - [19]
- [Singers](#) - [18]
- [Drummers \(Musicians\)](#) - [18]
- [Rap musicians](#) - [2]
- [Students](#) - [2]
- [Disc jockeys](#) - [2]

Genres & Performance Types

- [Hip-hop](#) - [2]
- [Rap \(Music\)](#) - [2]
- [Dance rehearsals](#) - [3]
- [Rhythm and blues music](#) - [2]
- [Work songs](#) - [3]

Search Results

Searching: **ngoma**
Results 1-10 of 22

[1](#) [2](#) [3](#) [Next](#)

**Ngoma...**

Description: One of the first musical events of the evening was an **ngoma** group performance. This group.....

Collection: Popular music in Dar es Salaam, Tanzania, 2000-2002
Collector: Perullo, Alex

**Ngoma** musicians...

Description: **Ngoma** musicians.....

Collection: [Tanzania, Mwanza, Shinyanga, Bariadi, and Kisesa, Sukuma, 1994-1995]
Collector: Gunderson, Frank

**Child with ngoma...**

Description: Child with **ngoma**.....

Collection: [Tanzania, Mwanza, Shinyanga, Bariadi, and Kisesa, Sukuma, 1994-1995]
Collector: Gunderson, Frank

Visual Timeline



Scene : "Sidonio"



Segment Info

Now Playing Collection Hierarchy Collector Bio

Collection

Event

Scene

Action

Scene Title

"Sidonio"

Scene Description

Enrique Gallardo and Alejandro Mejia give a stirring performance of "El corrido de Sidonio," a local ballad about two rival gangs and a showdown involving the attempt to bring a woman across the gap between them.

Scene Details

"Sidonio" was the most rousing of the corridos performed that day by Ernesto and Alejandro. Set in a minor key, and punctuated by Ernesto's clean picking of the melody during instrumental breaks, this performance exhibits the local corrido of the Costa Chica at its best. The story concerns a violent encounter between rival fractions in which Sidonio is stalked by his compadre, and the husband of a woman implicated in the quarrel is targeted rather than the woman herself. The concept of destiny enters the narrative in the vernacular term *seño*, apparently a fusing of *destino*, destiny, and *seño*, sign, thus a sign of one's destiny. Ernesto explains *seño* as an

Subject Headings

Geography

Oaxaca, Estado de
United Mexican States
Guerrero, Estado de

Social & Cultural

Groupings

Vocal groups
Mestizos
Musicians
Mexicans
Indigenous peoples
Catholics
Men

Languages

Spanish language

Genres &


Performance Types

Laments
Laudatory songs
Poetry
Folk music
Interviews
Corridos
Discussion
Conversation
Folk literature
Concerts
Oral tradition
Interviewing
Folk songs
Street music
Oral communication
Demonstrations
(Performance)
Ballads
Songs
Instrumental music

Annotator's Workbench – Peer Review File Help Wed 2:17 PM EVIA Digital Archives

Annotator's Workbench

Collection: "[Côte d'Ivoire, Regi..." Event: "Biélé Fête Officiel..." Scene: "Geman performance I" ▶



0:53:44:171

Transcription:

Spoken Language English language

Geman: e-a-o-e
ge go

Collection Hierarchy:

☒ [Côte d'Ivoire, Region semi-montagneuse de l'O
 ☒ Biélé Fête Officiel, March 5, 1997
 ☐ Opening announcement
 ☐ Getting into position to film
 ☒ Groups perform as they wait for the Prefe
 ☐ Welcome and other opening speeches
 ☐ Prefect leaves town, Reed greets Geman,
 ☐ Childrens' Gbage performance I
 ☒ *Geman performance I
 ☐ Kpokwélé young women's group II

Scene title:
Geman performance I

Brief Description of scene:
Geman and group perform in one family's compound before departing to perform at another.

Detailed Description of scene:
Geman comes from the Biélé quartier (one of the three old villages that has come together to form the contemporary village of Biélé, population roughly 1,000) called "Biéyoguín."

Gegbleen is referred to as a "women's ge" because women really like this type of ge--he gives them benedictions (to men, too, but especially to women). He cures problems (with these benedictions) specific to women--sterilization, menstrual cycle problems, pregnancy problems, etc. Women may fall into a trance when Geman emits his high shout or cry, like a bird.

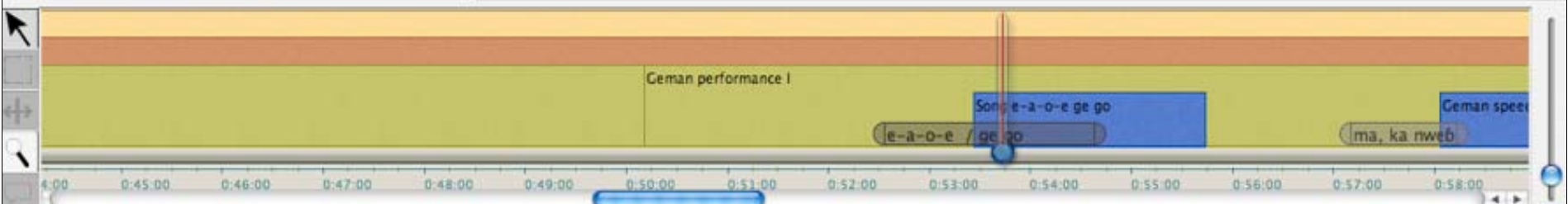
The instruments used for this ge are:
baade
baaneyakwade
zikri
gle

Participants:

Reviewer Comments by John Doe:

☒ Reviewed Close comments

Comments for this scene:
These are reviewer comments about this scene.
Reviewers may add as many comments as they like.
When any comments are entered for a scene, an asterisk appears in the "Collection Hierarchy".



4:00 0:45:00 0:46:00 0:47:00 0:48:00 0:49:00 0:50:00 0:51:00 0:52:00 0:53:00 0:54:00 0:55:00 0:56:00 0:57:00 0:58:00

Geman performance I

Song e-a-o-e ge go

e-a-o-e / ge go

ma, ka nweb

Geman spee

Saved comments to "reviewer comments.pnx". (4 segments reviewed; 2 comments written)

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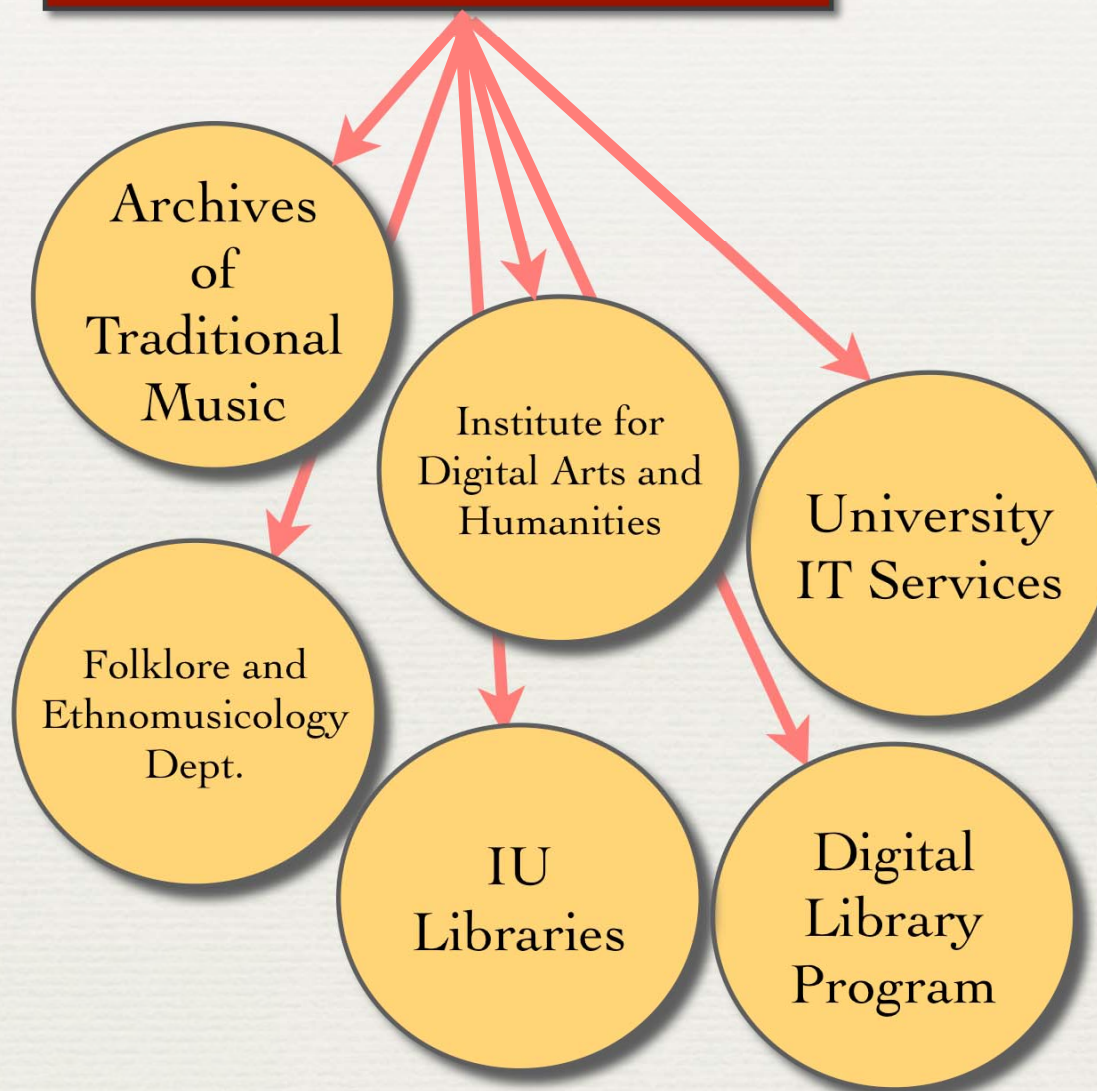
Digital
Library
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Indiana University



EVIA IU Partners

- ♦ Department of Folklore and Ethnomusicology
- ♦ Archives of Traditional Music
- ♦ Digital Library Program
 - ♦ Joint venture of Libraries and University IT
- ♦ IU Bloomington Libraries
- ♦ University IT Services
 - ♦ Digital Media Network Services
 - ♦ Research Technologies - Storage

Collaboration Success

- ♦ Began as a planning project, not a “doing” project
- ♦ Identified experts to participate in planning meetings and in project
 - ♦ Scholars, librarians, archivists, technologists, university administrators
- ♦ EVIA software development team part of Digital Library Program and University IT Services

Different Perspectives

- ♦ Access vs. preservation
- ♦ Standards vs. customization
- ♦ Archival collections vs. new publications
- ♦ Video preservation vs. video production
- ♦ Digital library repository environment vs. video asset management environment

Sustainability

- Explored and rejected several models
- Infrastructure Integration successes
- Collaborations
- Income from services
- Grant funded content expansion



IDAH

- ♦ **Institute for Digital Arts and Humanities**
- ♦ Founded in 2007
- ♦ “...links a network of disciplinary experts and highly technical faculty and support staff who work in interdisciplinary teams on collection-building, tool-building, and the development of appropriate methods for study and analysis of collections.”

IDAH

- ♦ Director:
 - ♦ Ruth Stone, Associate Vice Provost for Arts
- ♦ Partner units:
 - ♦ Office of the Vice Provost for Research
 - ♦ IUB Libraries
 - ♦ University IT Services - Research Technologies / Advanced Visualization
 - ♦ Digital Library Program

IDAH Activities

- ♦ Faculty fellowships
- ♦ Brown Bag Series
- ♦ Invited lecturers
- ♦ One-on-one consulting
- ♦ Grant collaboration
- ♦ Gateway to other resources and campus units
- ♦ Infrastructure (with UITS and DLP)



Faculty Fellowships

- ♦ Application process; 4-6 selected per year
- ♦ Two semesters course release
- ♦ In-depth support from IDAH, DLP, UITS staff
- ♦ Seminars
- ♦ Refine idea; enhance understanding of relevant technologies
- ♦ Develop prototype and grant application

IDAH 2008 Fellows

- ♦ Composer: multimedia composition
- music/dance/lighting/video/sensors
- ♦ Artist: Use of 3D color rapid prototyping
- ♦ Information scientist: digital texts / annotation/
visualization



Library Involvement

- ♦ Space for staff, fellows, collaborative work in Wells Library
- ♦ Part of emerging Research Commons concept
- ♦ Digital Library Program staff involvement
- ♦ Oversight for IDAH software development team
 - ♦ Funded by OVPR; “bought out” by grants
- ♦ Sustainability support

Thank you!

- ♦ Alan Burdette: aburdett@indiana.edu
- ♦ Jon Dunn: jwd@indiana.edu
- ♦ www.indiana.edu/~eviada/
- ♦ www.indiana.edu/~idah/

EVI A

D i g i t a l
A r c h i v e

Ethnographic Video for Instruction & Analysis