LUNA migration

by Mira Basara

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LUNA – limitations we are happy to lose

- Behind current trends
- Complexity of application support
- Difficulty to synchronize Oracle database in LUNA with source data for large dynamic collections
  - Pictor database for large slide collection (slide 8)
  - TMS for Museum collection (slide 9)
- Building new collections
- No bulk data replacement
- 2-3 years ago LUNA stopped supporting Oracle; now uses MySQL

LUNA – advantages we also lose

- Annotations
- Groups and Presentations
- PDF Book Reader
- Greater compatibility with various browsers
- More granular permissions (per user or per collection)
- Mobile device support
- Vendor support

Destination – ARTstor/Shared Shelf

- 2005 ARTstor added to CUL repository landscape
- Hosted platform
- Large community with cross collections search
- 2009 CUL began development partnership with ARTstor Shared Shelf.
- Building new collections, management, and cataloging are very easy
- Publishing options (slide 11)

Migration plan (completed 1/2016)

- Outreach to stakeholders and community (VRWG)
- Resource migration
  - Herbert F. Johnson Museum of Art collection in eMuseum
  - Collecting master files for SS upload
  - Retrieve derivatives from LUNA server for missing master files
- Metadata migration (very difficult)
  - Many different metadata schemas
  - No bulk export
  - XML export from LUNA not useful
  - Transforming VRA relational database to flat (slide 12)
  - XLSX normalization for Shared Shelf upload (slide 13)
- Updating websites, libguides, resolvers, handles

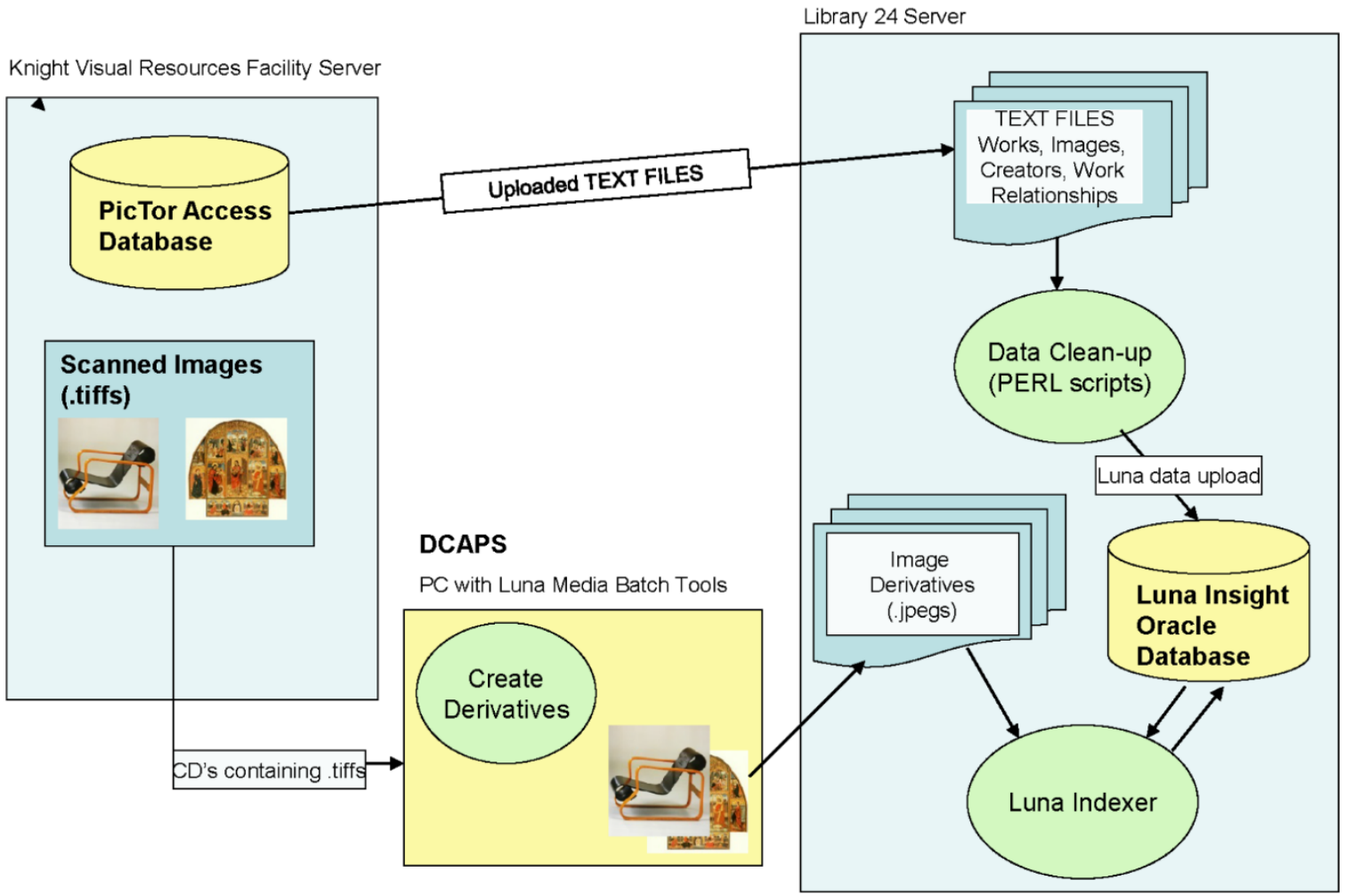
LUNA migration - phase 2 (underway)

- Shut down Luna test server (done)
- Create subgroups with key people that will QC migrated LUNA collections
- Preservation of original metadata for future reference
- Documentation – Finding Aids
- Goal: the end of Spring 2016 to decommission Luna production server

Questions? Comments?

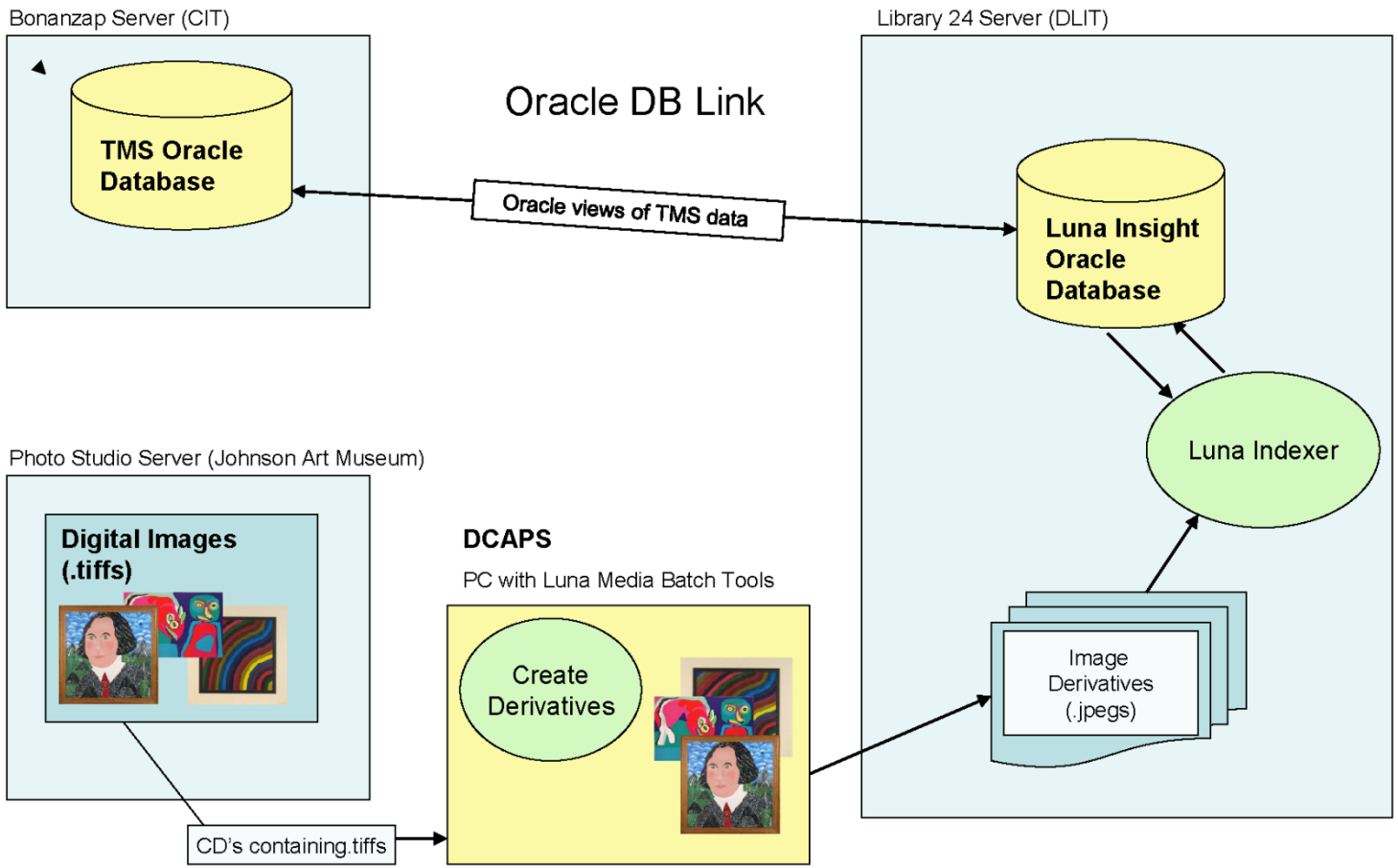
(slides from this point are supplementary material)

KVRF/Luna interface



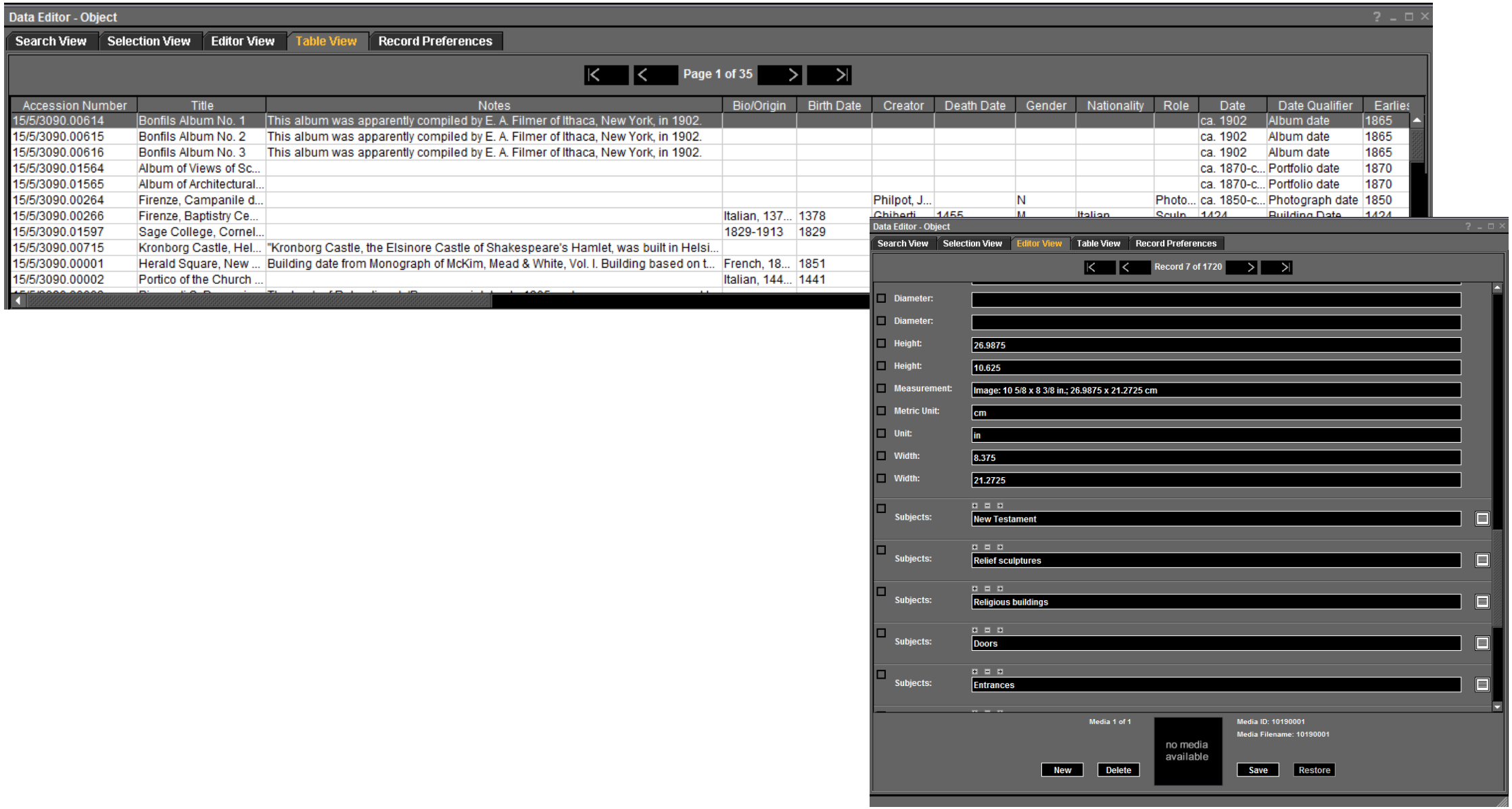
Slide borrowed from Gale Halpern presentation, (2007), https://ecommons.cornell.edu/handle/1813/8420

The Museum System(TMS)/Luna interface



Slide borrowed from Gale Halpern presentation, (2007), https://ecommons.cornell.edu/handle/1813/8420

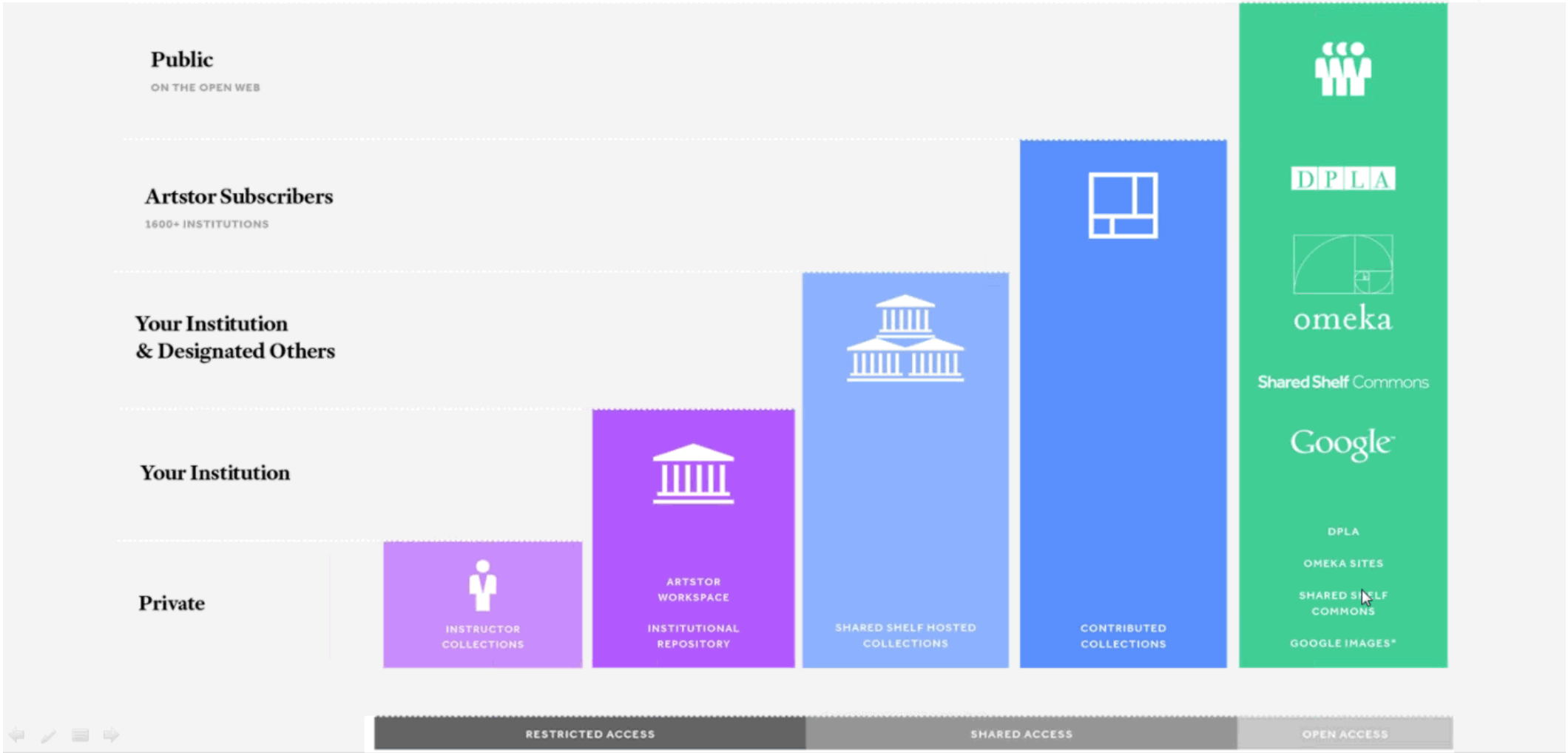
Metadata preview in Luna client/Inscribe



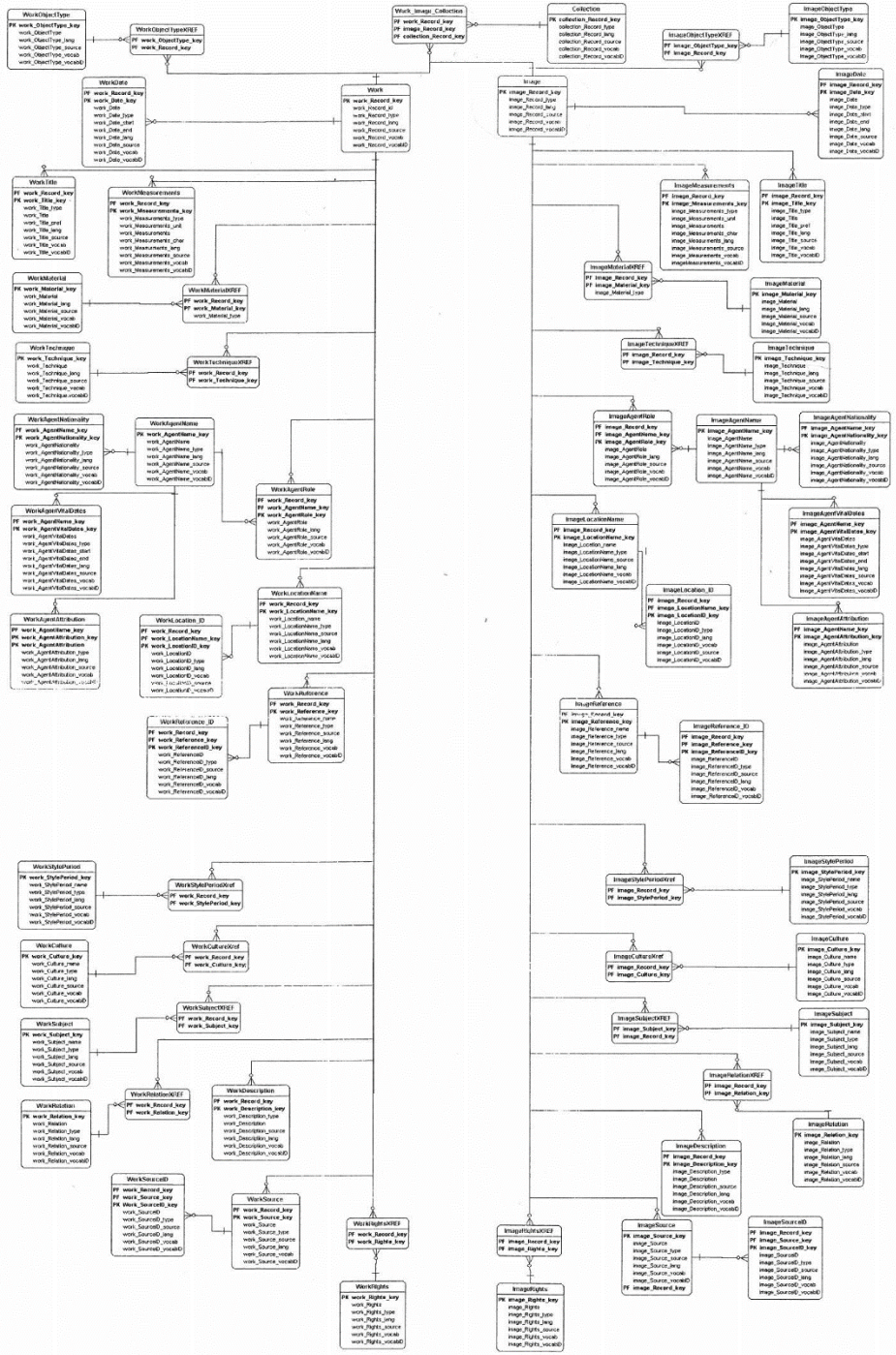
SHARED SHELF PRESENTATION

Control How Broadly You Share Your Content

Shared Shelf



Borrowed from Shared Shelf training presentation, 2/18/2016



INDARC@LUNAPROD.LIBRARY.CORNELL.EDU - Schema Browser (INDARC.VRWORKTITLE)

INDARC

Tables

*

Img | Table

- VRWORK
- VRWORKAGENTATTRIBUTION
- VRWORKAGENTNAME
- VRWORKAGENTNATIONALITY
- VRWORKAGENTROLE
- VRWORKAGENTVITALDATES
- VRWORKCULTURE
- VRWORKCULTUREXREF
- VRWORKDATE
- VRWORKDESCRIPTION
- VRWORKIMAGECOLLECTION
- VRWORKLOCATION_ID
- VRWORKLOCATIONNAME
- VRWORKMATERIAL
- VRWORKMATERIALXREF
- VRWORKMEASUREMENTS
- VRWORKOBJECTTYPE
- VRWORKOBJECTTYPEXREF
- VRWORKREFERENCE
- VRWORKREFERENCE_ID
- VRWORKRELATION
- VRWORKRELATIONXREF
- VRWORKRIGHTS
- VRWORKRIGHTSXREF
- VRWORKSOURCE
- VRWORKSOURCEID
- VRWORKSTYLEPERIOD
- VRWORKSTYLEPERIODXREF
- VRWORKSUBJECT
- VRWORKSUBJECTXREF
- VRWORKTECHNIQUE
- VRWORKTECHNIQUEXREF
- VRWORKTITLE

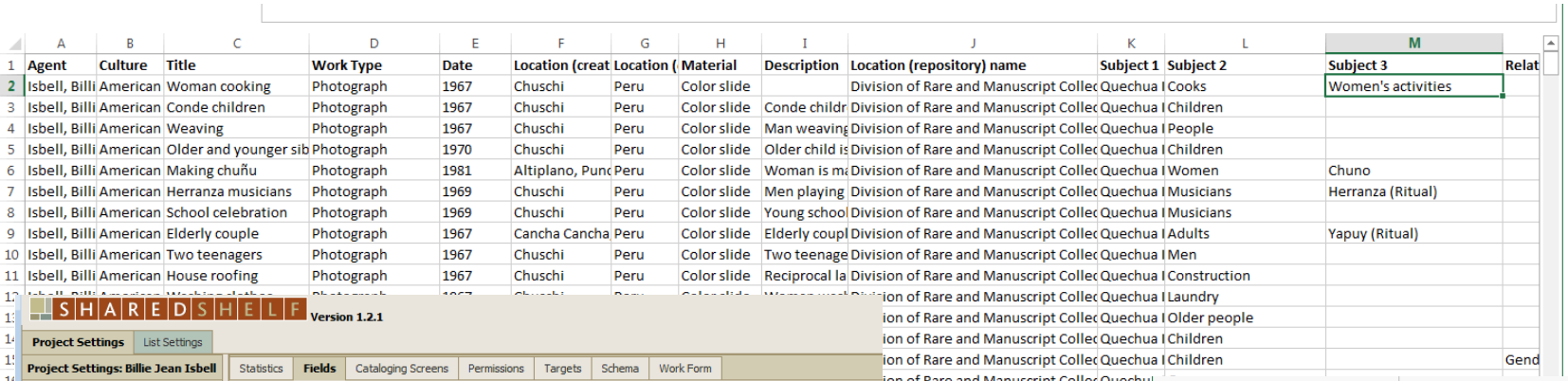
VRWORKTITLE: Created: 2/26/2013 10:57:35 AM Last DDL: 2/26/2013 10:57:37 AM

Primary Key: WORK_RECORD_KEY, WORK_TITLE_KEY

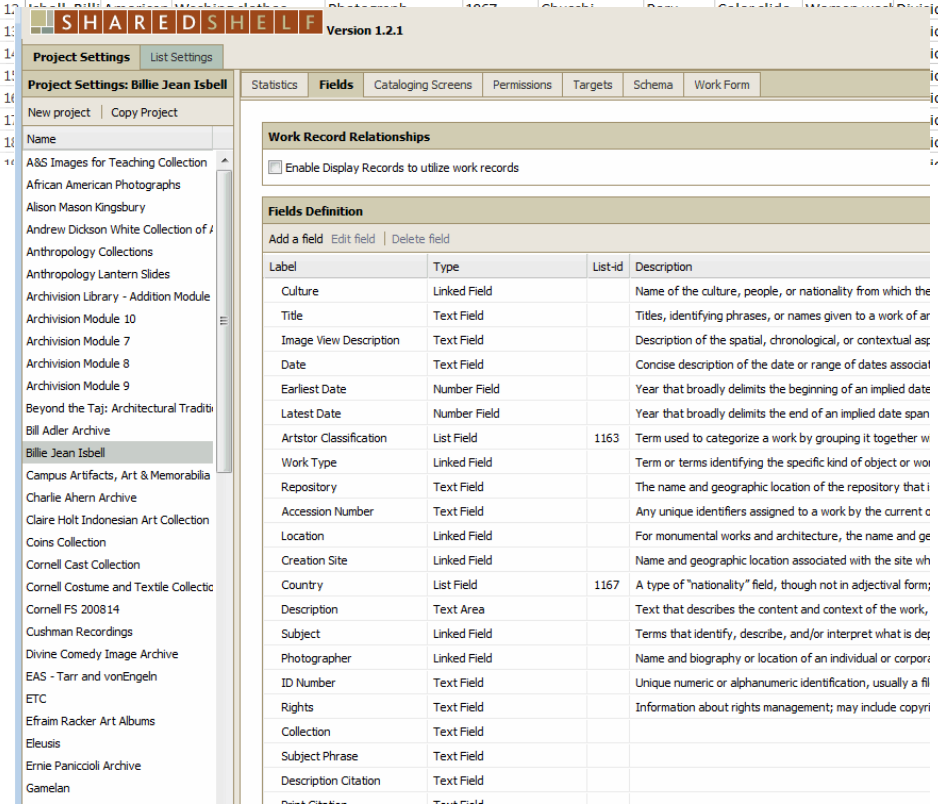
Columns | Indexes | Constraints | Triggers | Data | Script | Grants | Synonyms | Partitions | Subpartitions | Stats

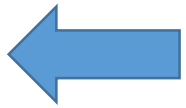
```
1  ALTER TABLE INDARC.VRWORKTITLE
2   DROP PRIMARY KEY CASCADE;
3
4  DROP TABLE INDARC.VRWORKTITLE CASCADE CONSTRAINTS;
5
6  CREATE TABLE INDARC.VRWORKTITLE
7  (
8    WORK_RECORD_KEY      INTEGER                NOT NULL,
9    WORK_TITLE_KEY       INTEGER                NOT NULL,
10   WORK_TITLE_TYPE      VARCHAR2(40 BYTE)      NOT NULL,
11   WORK_TITLE           VARCHAR2(255 BYTE)     NOT NULL,
12   WORK_TITLE_PREF      VARCHAR2(40 BYTE),
13   WORK_TITLE_LANG      VARCHAR2(40 BYTE),
14   WORK_TITLE_SOURCE    VARCHAR2(255 BYTE),
15   WORK_TITLE_VOCAB     VARCHAR2(40 BYTE),
16   WORK_TITLE_VOCABID   VARCHAR2(40 BYTE)
17 )
18 TABLESPACE INSIGHT
19 RESULT_CACHE (MODE DEFAULT)
20 PCTUSED    0
21 PCTFREE    10
22 INITRANS   1
23 MAXTRANS   255
24 STORAGE    (
25             INITIAL          5M
26             NEXT             1M
27             MINEXTENTS       1
28             MAXEXTENTS       UNLIMITED
29             PCTINCREASE      0
30             BUFFER_POOL      DEFAULT
31             FLASH_CACHE      DEFAULT
32             CELL_FLASH_CACHE DEFAULT
33            )
34 LOGGING
35 NOCOMPRESS
36 NOCACHE
37 NOPARALLEL
38 MONITORING;
39
40
41 CREATE UNIQUE INDEX INDARC.VRWORKTITLE_PK ON INDARC.VRWORKTITLE
42 (WORK_RECORD_KEY, WORK_TITLE_KEY)
43 LOGGING
44 TABLESPACE INSIGHT
```

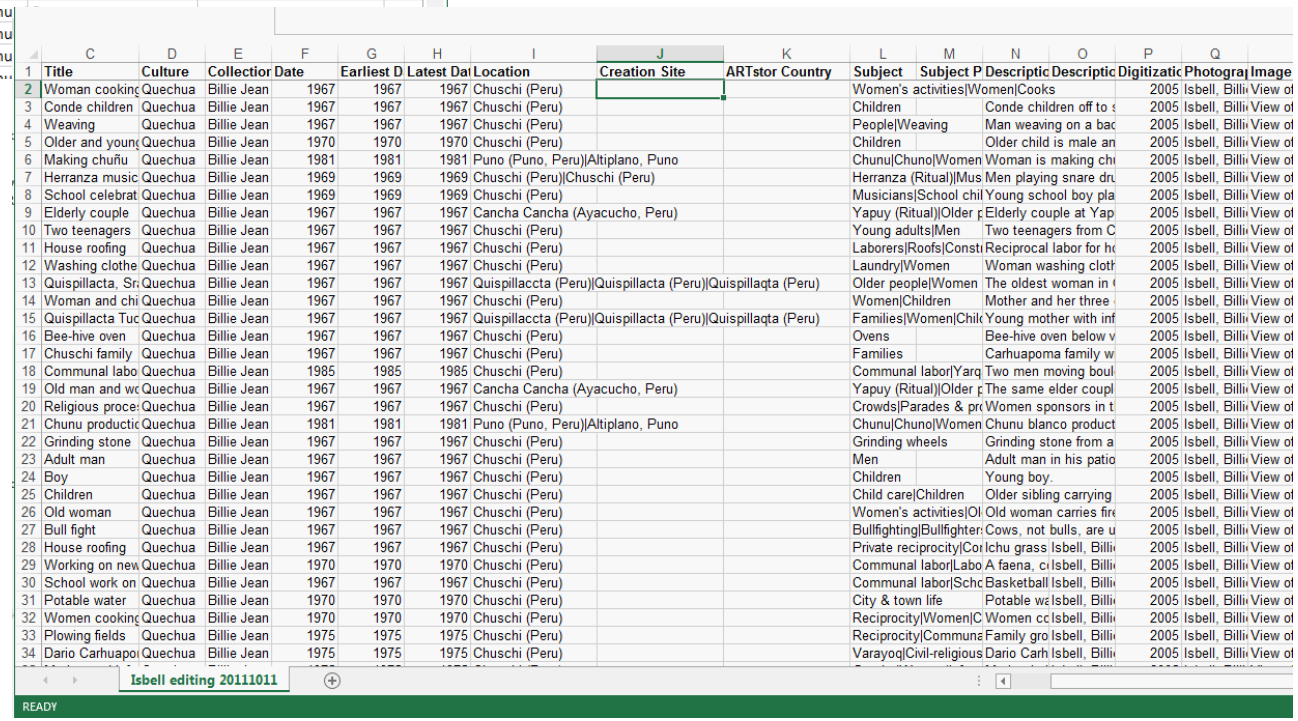
Metadata LUNA export converted into spreadsheet and normalized metadata for Shared Shelf import



	A	B	C	D	E	F	G	H	I	J	K	L	M	
1	Agent	Culture	Title	Work Type	Date	Location (creat	Location (	Material	Description	Location (repository) name	Subject 1	Subject 2	Subject 3	Relat
2	Isbell, Billi	American	Woman cooking	Photograph	1967	Chuschi	Peru	Color slide		Division of Rare and Manuscript Collec	Quechua I	Cooks	Women's activities	
3	Isbell, Billi	American	Conde children	Photograph	1967	Chuschi	Peru	Color slide	Conde childr	Division of Rare and Manuscript Collec	Quechua I	Children		
4	Isbell, Billi	American	Weaving	Photograph	1967	Chuschi	Peru	Color slide	Man weaving	Division of Rare and Manuscript Collec	Quechua I	People		
5	Isbell, Billi	American	Older and younger sib	Photograph	1970	Chuschi	Peru	Color slide	Older child is	Division of Rare and Manuscript Collec	Quechua I	Children		
6	Isbell, Billi	American	Making chuñu	Photograph	1981	Altiplano, Punc	Peru	Color slide	Woman is ma	Division of Rare and Manuscript Collec	Quechua I	Women	Chuno	
7	Isbell, Billi	American	Herranza musicians	Photograph	1969	Chuschi	Peru	Color slide	Men playing	Division of Rare and Manuscript Collec	Quechua I	Musicians	Herranza (Ritual)	
8	Isbell, Billi	American	School celebration	Photograph	1969	Chuschi	Peru	Color slide	Young school	Division of Rare and Manuscript Collec	Quechua I	Musicians		
9	Isbell, Billi	American	Elderly couple	Photograph	1967	Cancha Cancha	Peru	Color slide	Elderly coupl	Division of Rare and Manuscript Collec	Quechua I	Adults	Yapuy (Ritual)	
10	Isbell, Billi	American	Two teenagers	Photograph	1967	Chuschi	Peru	Color slide	Two teenage	Division of Rare and Manuscript Collec	Quechua I	Men		
11	Isbell, Billi	American	House roofing	Photograph	1967	Chuschi	Peru	Color slide	Reciprocal la	Division of Rare and Manuscript Collec	Quechua I	Construction		
12														
13														
14														
15														
16														
17														
18														







	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
1	Title	Culture	Collectior	Date	Earliest D	Latest Dat	Location	Creation Site	ARTstor Country	Subject	Subject P	Descriptic	Descriptic	Digitizatic	Photograj	Image
2	Woman cookin	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Women's activities|Women|Cooks				2005	Isbell, Billi	View of
3	Conde children	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Children		Conde children off to s		2005	Isbell, Billi	View of
4	Weaving	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			People|Weaving		Man weaving on a bac		2005	Isbell, Billi	View of
5	Older and youn	Quechua	Billie Jean	1970	1970	1970	Chuschi (Peru)			Children		Older child is male an		2005	Isbell, Billi	View of
6	Making chuñu	Quechua	Billie Jean	1981	1981	1981	Puno (Puno, Peru)|Altiplano, Puno			Chuno|Chuno|Women		Woman is making chu		2005	Isbell, Billi	View of
7	Herranza music	Quechua	Billie Jean	1969	1969	1969	Chuschi (Peru)|Chuschi (Peru)			Herranza (Ritual)|Mus		Men playing snare dru		2005	Isbell, Billi	View of
8	School celebrat	Quechua	Billie Jean	1969	1969	1969	Chuschi (Peru)			Musicians|School chil		Young school boy pla		2005	Isbell, Billi	View of
9	Elderly couple	Quechua	Billie Jean	1967	1967	1967	Cancha Cancha (Ayacucho, Peru)			Yapuy (Ritual)|Older p		Elderly couple at Yap		2005	Isbell, Billi	View of
10	Two teenagers	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Young adults|Men		Two teenagers from C		2005	Isbell, Billi	View of
11	House roofing	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Laborers|Roofs|Const		Reciprocal labor for ho		2005	Isbell, Billi	View of
12	Washing clothe	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Laundry|Women		Woman washing cloth		2005	Isbell, Billi	View of
13	Quispillacta, Sr	Quechua	Billie Jean	1967	1967	1967	Quispillacta (Peru)|Quispillacta (Peru)|Quispillaqta (Peru)			Older people|Women		The oldest woman in (		2005	Isbell, Billi	View of
14	Woman and chi	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Women|Children		Mother and her three		2005	Isbell, Billi	View of
15	Quispillacta Tuc	Quechua	Billie Jean	1967	1967	1967	Quispillaccta (Peru)|Quispillacta (Peru)|Quispillaqta (Peru)			Families|Women|Chil		Young mother with inf		2005	Isbell, Billi	View of
16	Bee-hive oven	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Ovens		Bee-hive oven below v		2005	Isbell, Billi	View of
17	Chuschi family	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Families		Carhuapoma family w		2005	Isbell, Billi	View of
18	Communal labo	Quechua	Billie Jean	1985	1985	1985	Chuschi (Peru)			Communal labor|Yarq		Two men moving boul		2005	Isbell, Billi	View of
19	Old man and wo	Quechua	Billie Jean	1967	1967	1967	Cancha Cancha (Ayacucho, Peru)			Yapuy (Ritual)|Older p		The same elder coupl		2005	Isbell, Billi	View of
20	Religious proce	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Crowds|Parades & pr		Women sponsors in t		2005	Isbell, Billi	View of
21	Chunu productic	Quechua	Billie Jean	1981	1981	1981	Puno (Puno, Peru)|Altiplano, Puno			Chunu|Chuno|Women		Chunu blanco product		2005	Isbell, Billi	View of
22	Grinding stone	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Grinding wheels		Grinding stone from a		2005	Isbell, Billi	View of
23	Adult man	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Men		Adult man in his patio		2005	Isbell, Billi	View of
24	Boy	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Children		Young boy.		2005	Isbell, Billi	View of
25	Children	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Child care|Children		Older sibling carrying		2005	Isbell, Billi	View of
26	Old woman	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Women's activities|Ol		Old woman carries fir		2005	Isbell, Billi	View of
27	Bull fight	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Bullfighting|Bullfighter		Cows, not bulls, are u		2005	Isbell, Billi	View of
28	House roofing	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Private reciprocity|Cor		Ichu grass	Isbell, Billi	2005	Isbell, Billi	View of
29	Working on new	Quechua	Billie Jean	1970	1970	1970	Chuschi (Peru)			Communal labor|Labo		A faena, c	Isbell, Billi	2005	Isbell, Billi	View of
30	School work on	Quechua	Billie Jean	1967	1967	1967	Chuschi (Peru)			Communal labor|Schc		Basketball	Isbell, Billi	2005	Isbell, Billi	View of
31	Potable water	Quechua	Billie Jean	1970	1970	1970	Chuschi (Peru)			City & town life		Potable wa	Isbell, Billi	2005	Isbell, Billi	View of
32	Women cookin	Quechua	Billie Jean	1970	1970	1970	Chuschi (Peru)			Reciprocity|Women|C		Women co	Isbell, Billi	2005	Isbell, Billi	View of
33	Plowing fields	Quechua	Billie Jean	1975	1975	1975	Chuschi (Peru)			Reciprocity|Communa		Family gro	Isbell, Billi	2005	Isbell, Billi	View of
34	Dario Carhuapo	Quechua	Billie Jean	1975	1975	1975	Chuschi (Peru)			Varayoq|Civil-religious		Dario Carh	Isbell, Billi	2005	Isbell, Billi	View of

Isbell editing 20111011

READY