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Linked Metadata for 3D Models: from Dublin Core to Europeana Data Model

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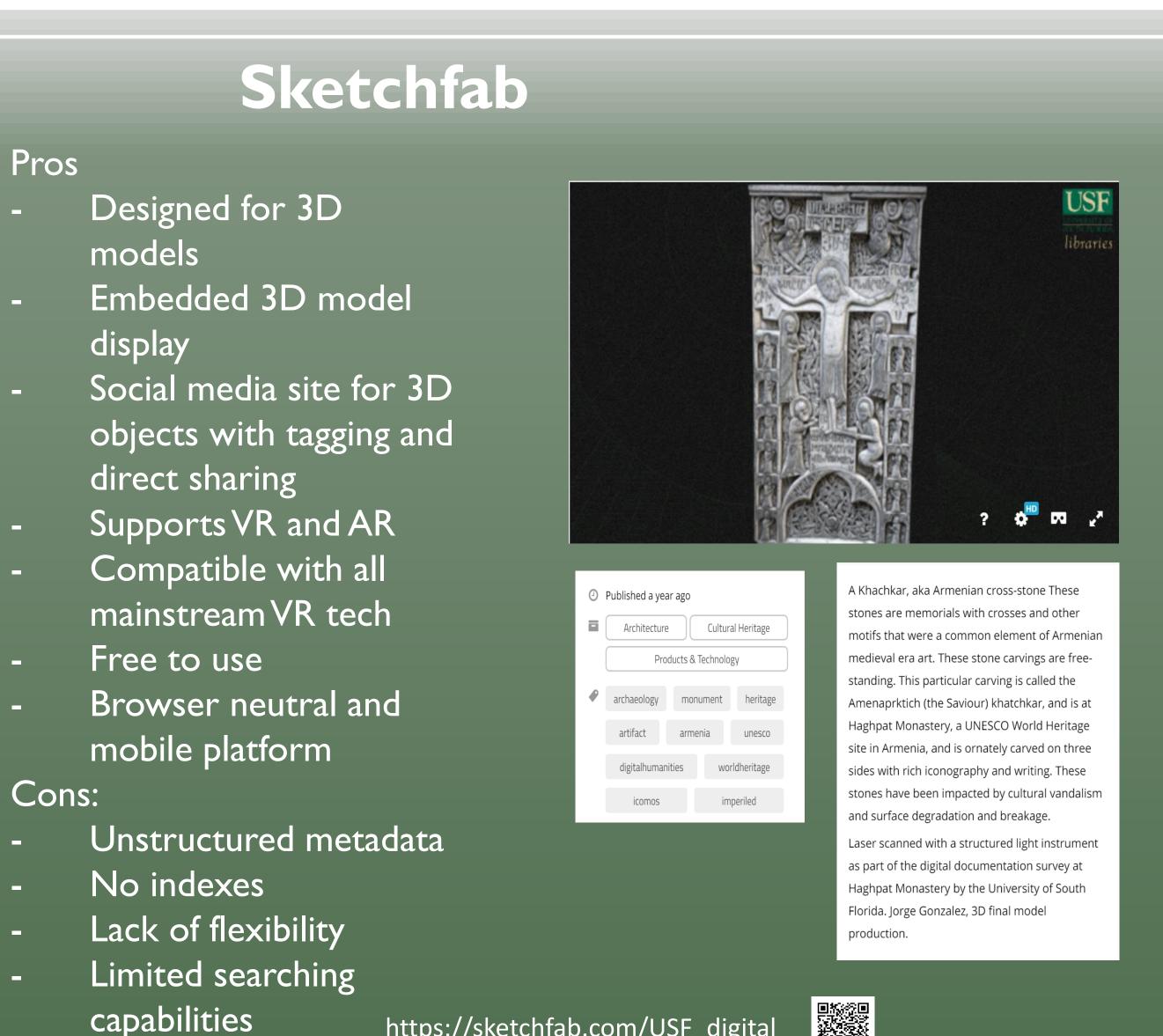
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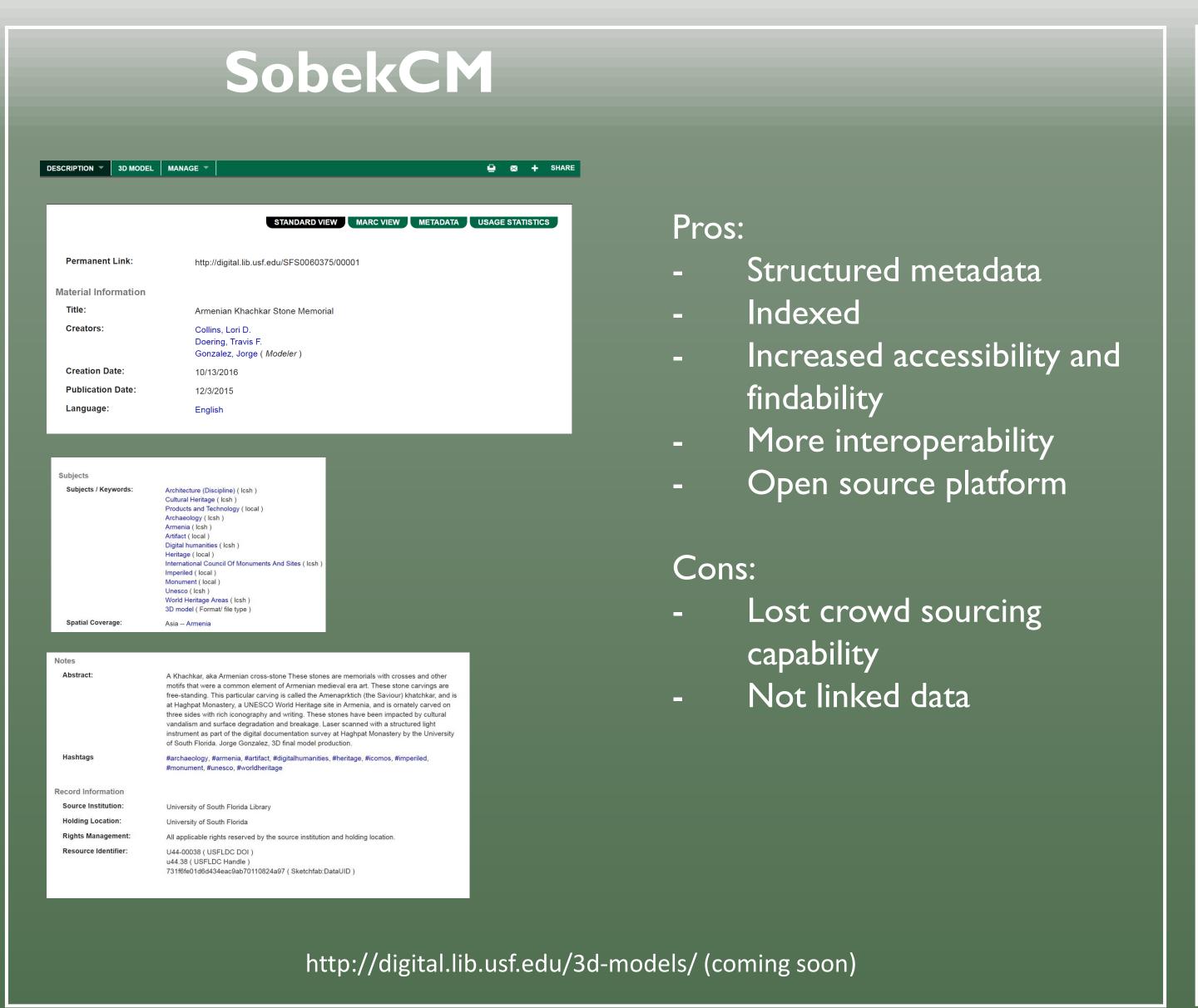
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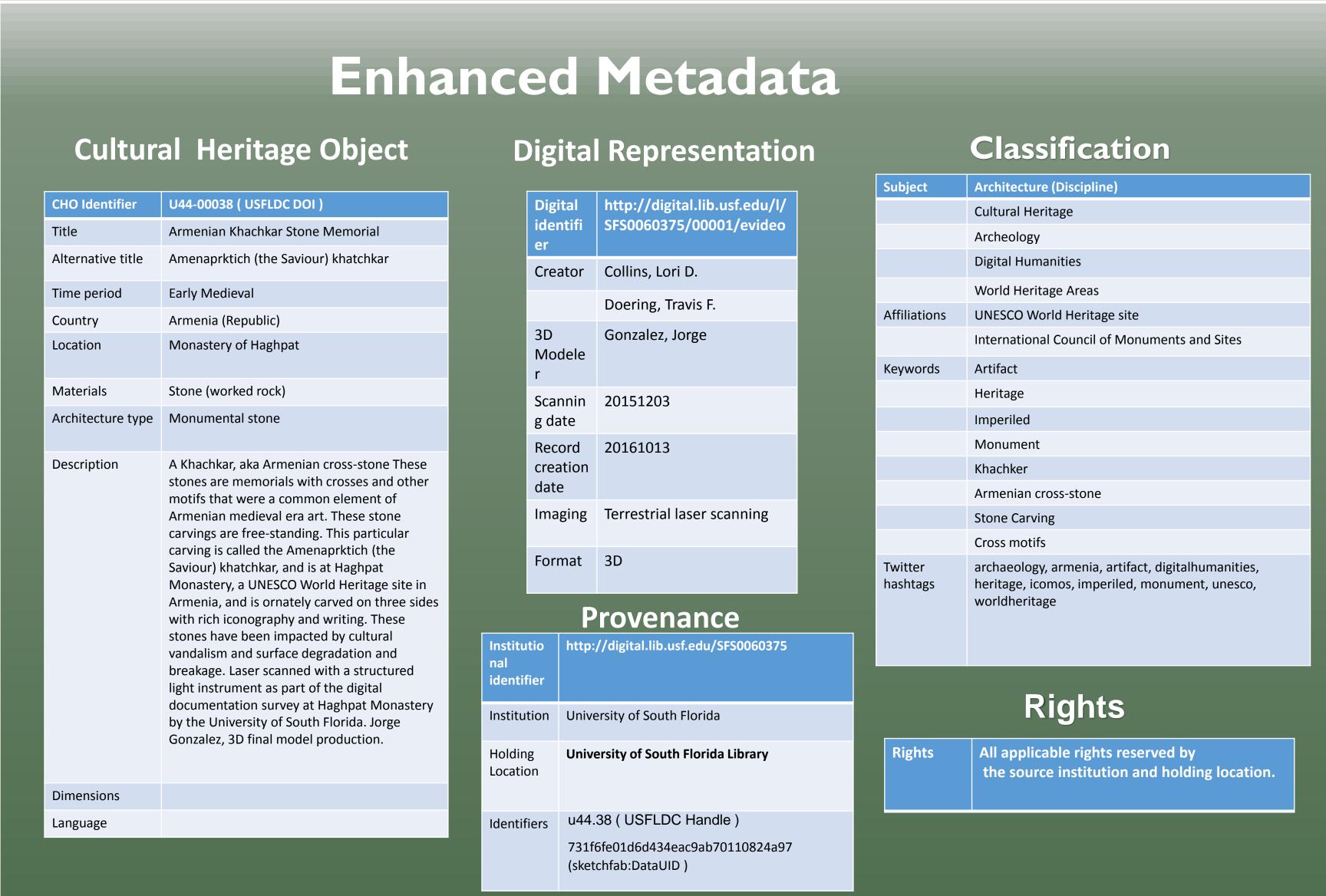


Xiying Mi, Metadata Librarian; Bonita Pollock, Metadata Librarian; Richard R. Bernardy Jr., Digital Collections System Administrator University of South Florida Libraries



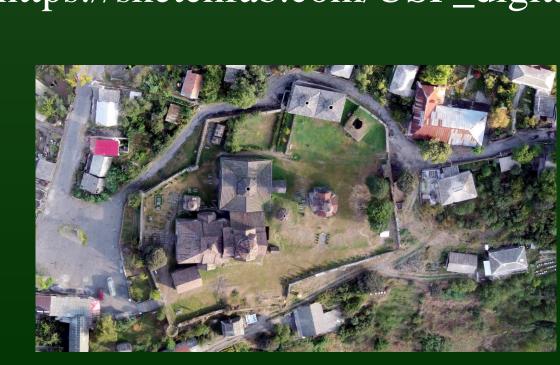
https://sketchfab.com/USF_digital

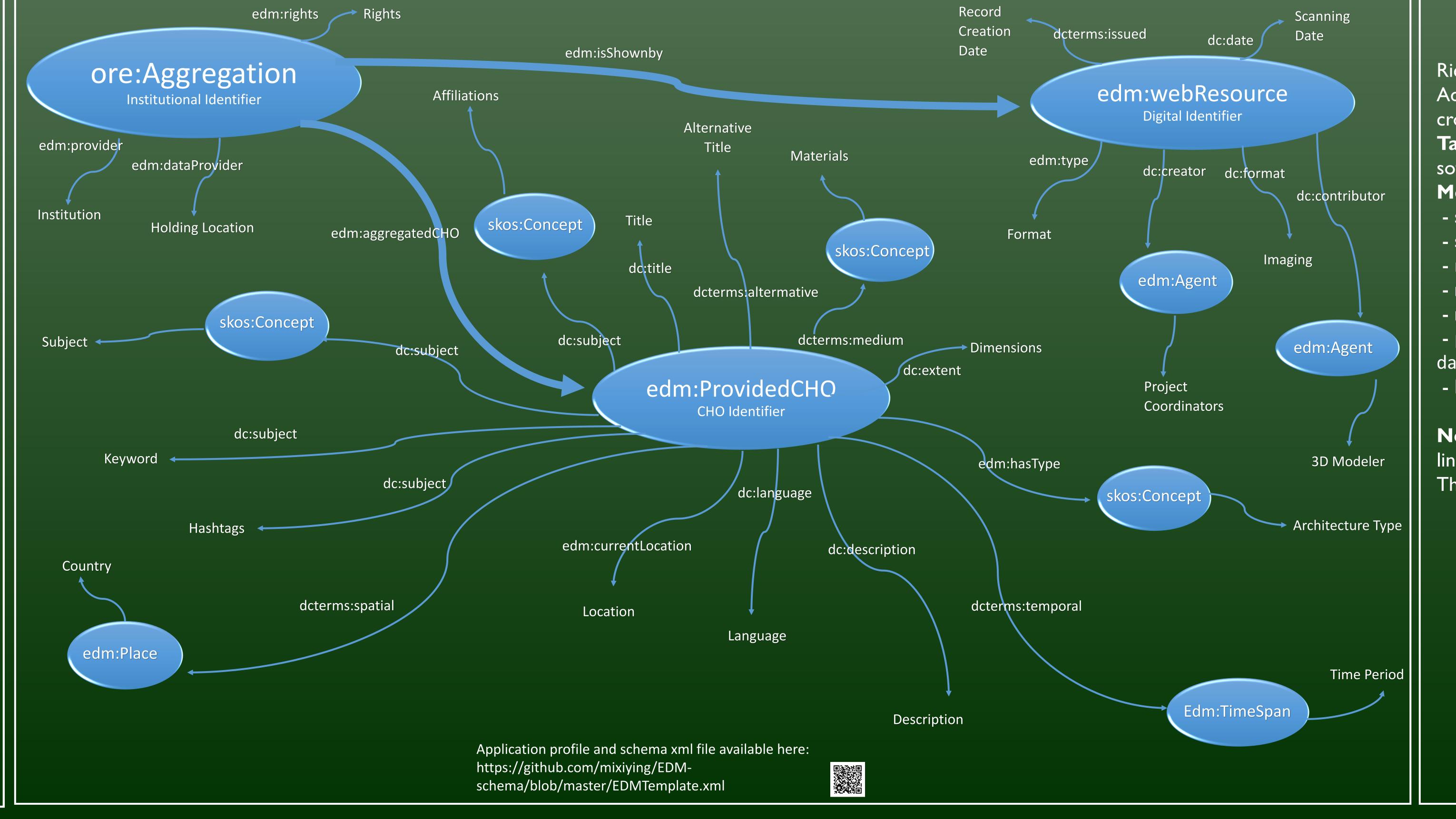




Project Background

Drs. Lori Collins and Travis Doering are Research Associate Professors, archaeologists, and codirectors of the University of South Florida Libraries' Digital Heritage and Humanities Collections (DHHC). The DHHC is using 3D and spatial survey, modeling, digital database and collections development strategies to preserve and protect the world's cultural and natural heritage by creating high resolution digital representations of imperiled sites, landscapes, monuments and artifacts. The collection displayed in this poster is from their on-going work in Armenia to digitally preserve World Heritage sites using 3D and imaging methods. To see their 3D models currently available through Sketchfab, please visit: https://sketchfab.com/USF_digital.





Metadata Harvesting Process

Richard Bernardy, the Digital Collection System Administrator, writes scripts for metadata harvesting, crosswalking and content management.

Targeting host of the collection: open-source software SobekCM

Metadata harvesting and formatting process:

- standard data mining techniques
- scripted metadata capture from Sketchfab.com
- relational database built for captured metadata
- metadata and controlled vocabulary formatting
- mapping of metadata schema
- packager app generates submission packages via database and mapping document
- Post-ingest metadata review and revision

New features for this collection: Twitter hashtag linked field created to support social media search. The new feature was coded in JavaScript/jQuery.



