

Who Cares About 3D Preservation?

Based on a working paper by
Jennifer Moore & Hannah Scates Kettler
for IASSIST 2017

Authors

Jennifer Moore

Washington University in St. Louis,
presenting today.

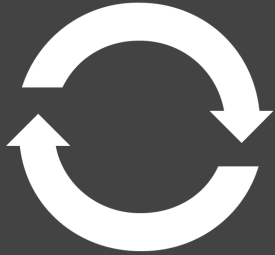
Hannah Scates Kettler

University of Iowa, with us in spirit.



Preservation of 3D data - Why it matters

General principles of preservation apply:



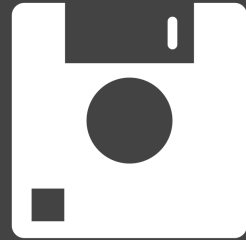
Created by Andrew Langford
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reuse



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reproduce



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protection/
loss & obs

Preservation of 3D data - Why it matters



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**Means of production
compromise these
principles. By it's nature,
the raw data is vulnerable.**

Methods of 3D data creation and use

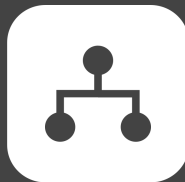
5 methods of creation

algorithm

observation



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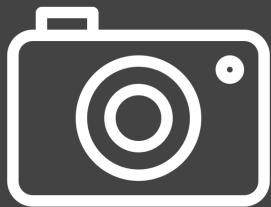
free-form

measurement

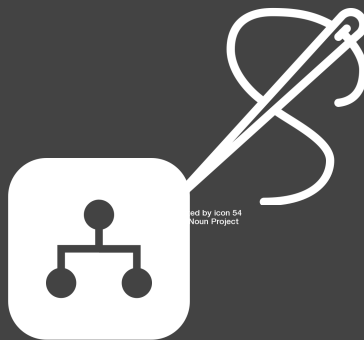
mix

Further discussion of 3D data capture

Close Range Photogrammetry



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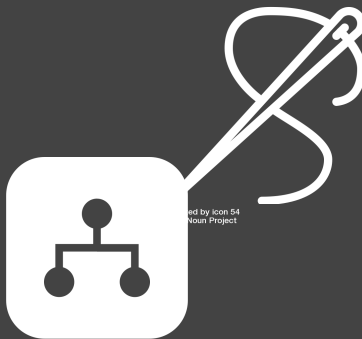
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Further discussion of 3D data capture

Structured Light Scanning



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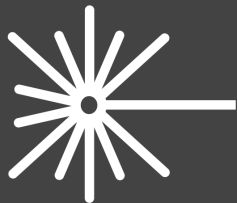
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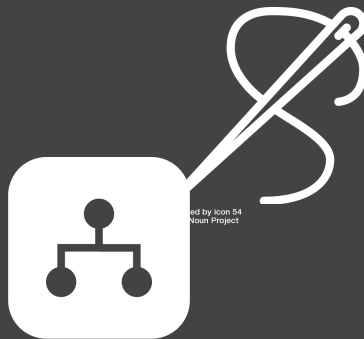
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Further discussion of 3D data capture

Triangulated Laser Scanning



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What makes 3D data difficult to preserve?



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**Means of production compromise the principles.
By it's nature, the raw data is vulnerable.**



Created by Lance Weisser
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Product orientated



Lack of standards, guidelines or best practices

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What makes 3D data difficult to preserve?

The beginning of guidance...



The Guides to Good Practice, ADS

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The London Charter

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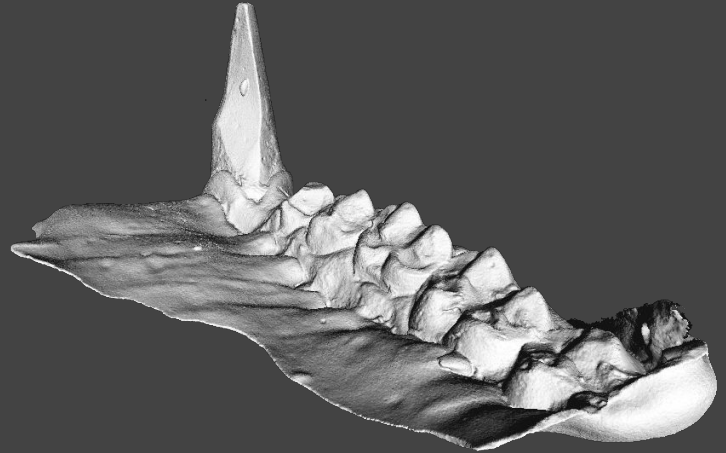
3D Icons Report

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Local Case Study

Digital Baboon = digital representations of analog data by Jane Phillips-Conroy (WUSTL) & Cliff Jolly (NYU) from the Awash National Park Baboon Research Project (ANPBRP) in Ethiopia.

- Methods
- Local standards
- Preservation Concerns



Moving Forward



Collaboration between stakeholders to develop standards and best practices.