



The Making of **NIST SPECIAL DATABASE 302**

07 November 2018

Gregory Fiumara greg@nist.gov



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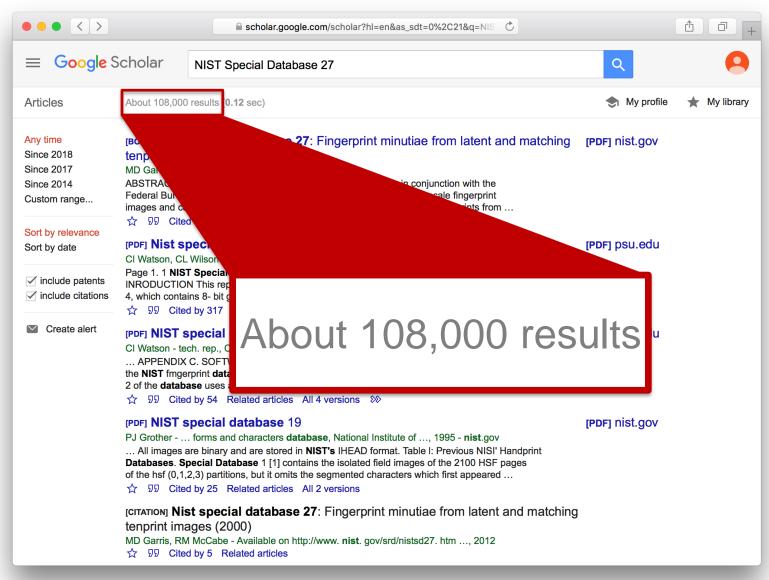
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Special Database

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Certain commercial equipment, instruments, or materials are identified in this presentation in order to specify procedures adequately. Such identification is not intended to imply recommendation or endorsement by the National Institute of Standards and Technology, nor is it intended to imply that the materials or equipment identified are necessarily the best available for the purpose.



		www.nist.gov/srd/shop/special-database-catalog		A D +
SRD Sorted by Topic	Number	Title	Price	
Public Law	<u>Special</u> Database	NIST Structured Forms Reference Set of Binary Images (SFRS)	Free download	
SRD Definition	2	This database contains 5,590 pages of binary, black-and-white images of synthesized documents such as tax forms. <u>Read More</u>	uominouu	_
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	<u>Special</u> Database	NIST Handprinted Forms and Characters	Free download	\bigcirc

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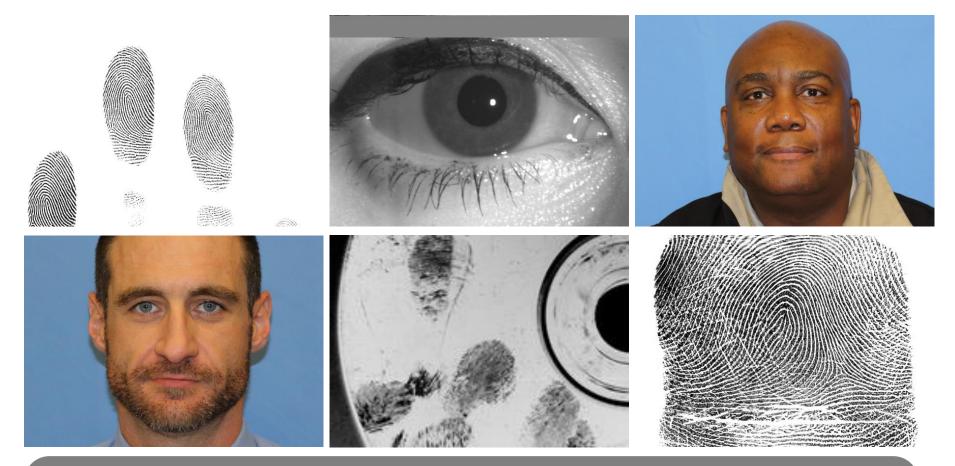
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NIST Fingerprint Public Data



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NIST SPECIAL DATABASE SERIES 300



SPECIAL DATABASE 300

Uncompressed plain and rolled fingerprint images from ink cards

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NIST Technical Note 1993

NIST Special Database 300 Uncompressed Plain and Rolled Imagesfrom Fingerprint Cards

> Gregory Finnera Patricia Flanagan John Granikan Bruce Baadini Keandh Ko John Libert Iormalion Access:Division technoloar Laborator

This publication is available free of charge from https://doi.org/10.6028/NIST.TN.199

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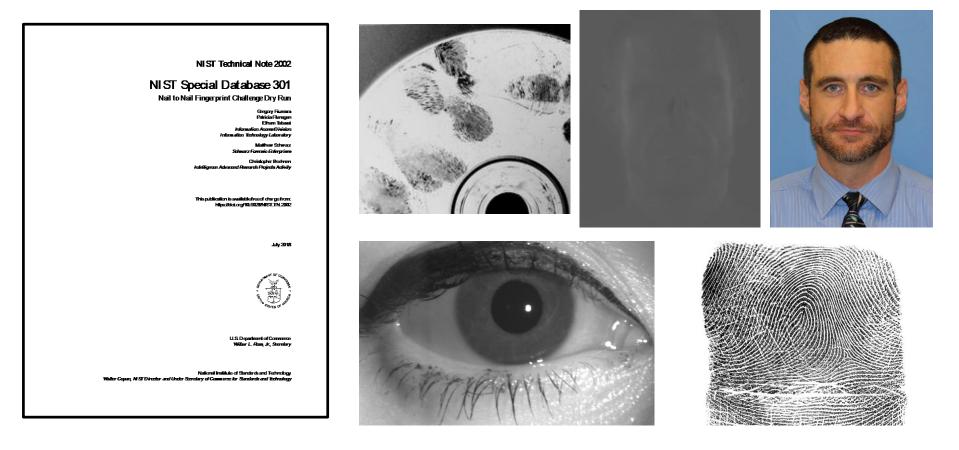
U.S. Department of Commerce William L. Phon, Jr., Stonebury

National Institute of Standards and Technolog Nation Copum, NIST Director and Under Secretary of Commerce for Standards and Technolog



SPECIAL DATABASE 301

IARPA Nail to Nail Fingerprint Challenge "Dry Run"



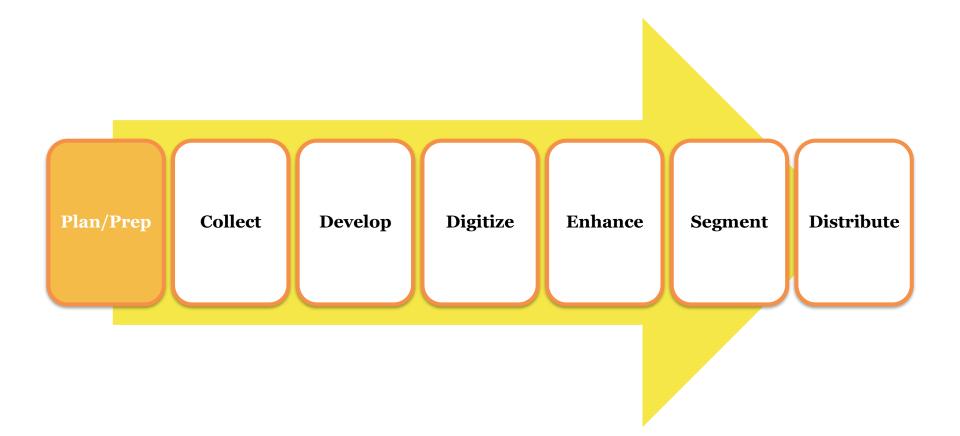




SPECIAL DATABASE 302



Latent Dataset Lifecycle





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INSTRATION NOT - LOCK BUILD	











Time











Realism





Time



Cost

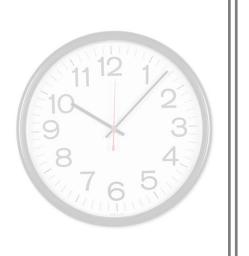


Space



Realism





Time



Cost



Space



Realism





Time



Cost



Space



Realism





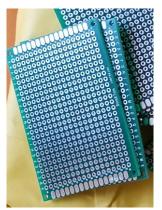














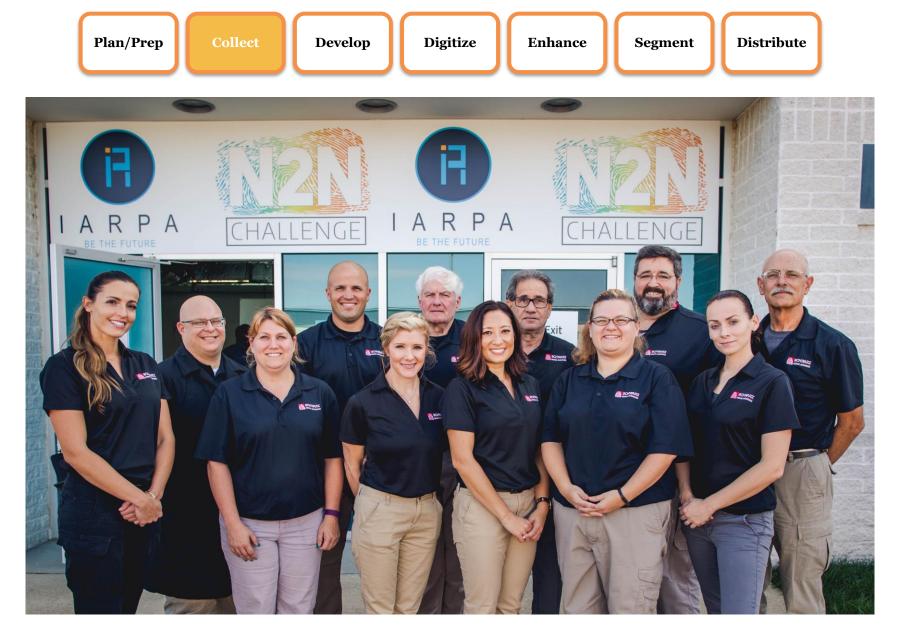
Latent Kits





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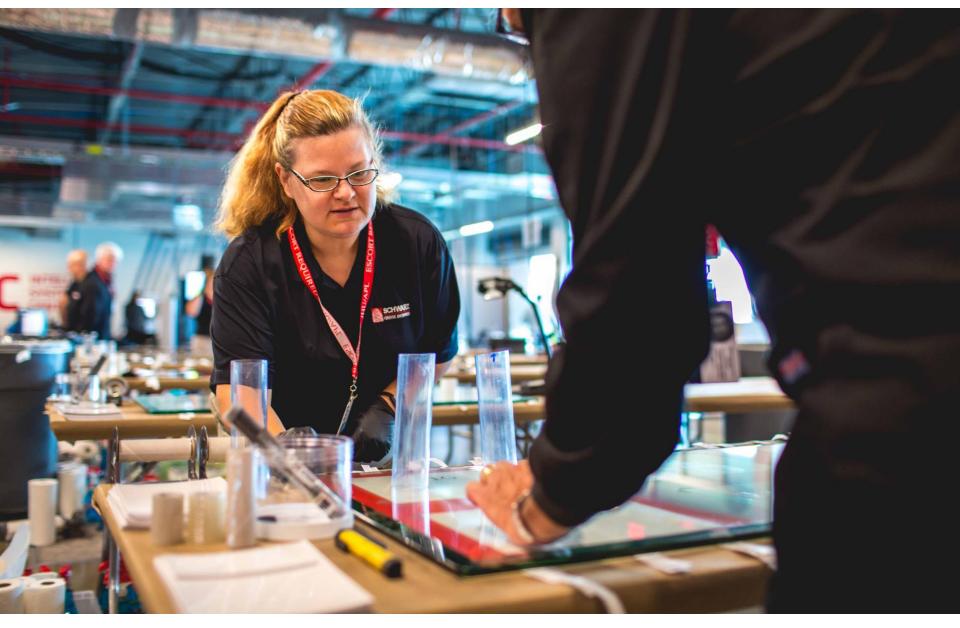














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Digitize

Enhance

#NISTForensics

Segment

Plan/Prep

Collect







Distribute





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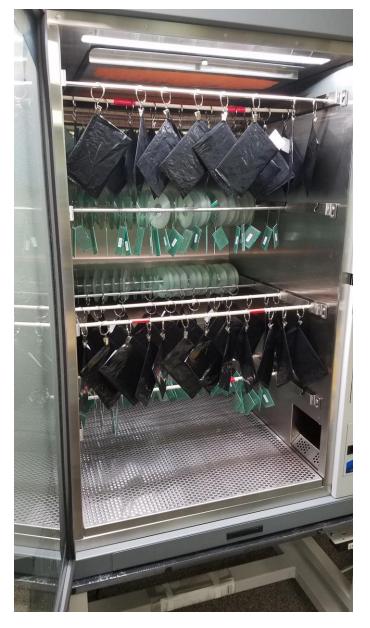
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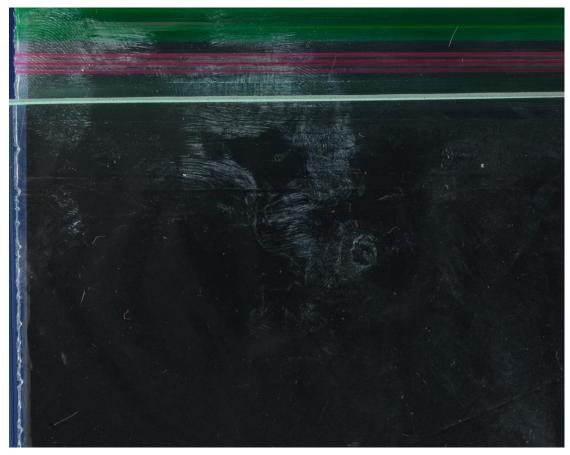
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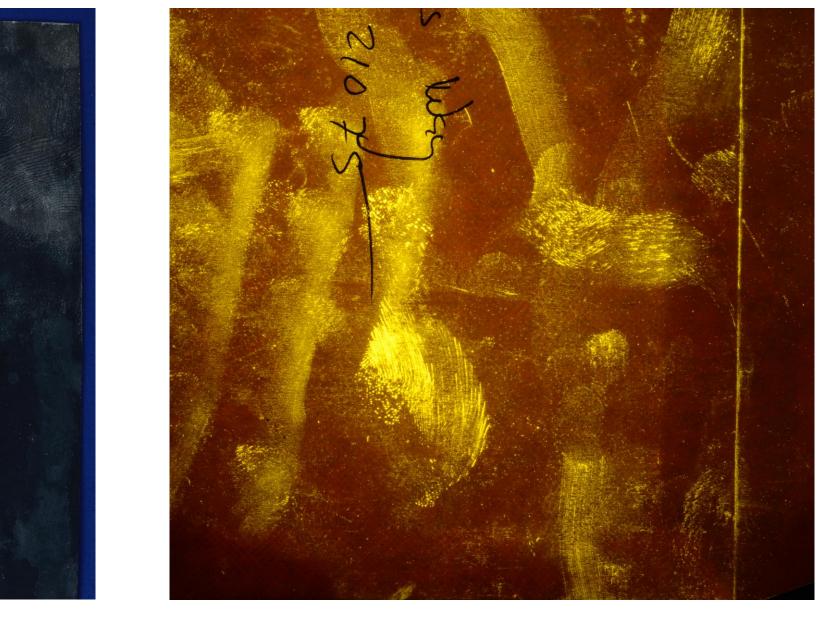






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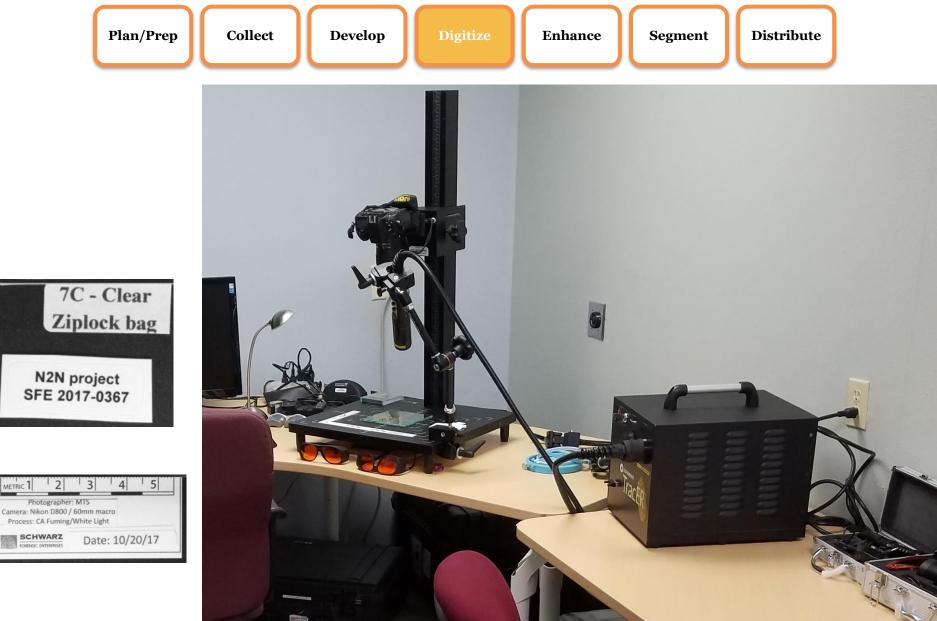
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METRIC 1

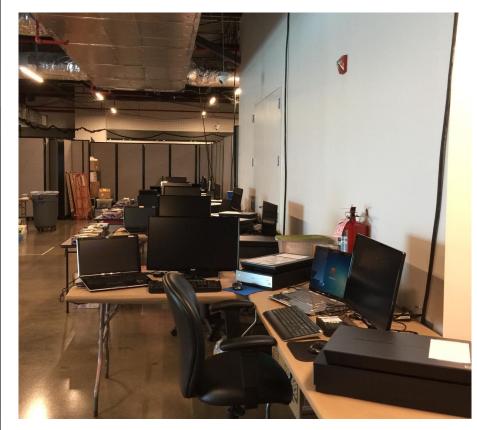
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https://github.com/usnistgov/nistscan







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Plan/Prep	Collect	Develop	Digitize	Enhance	Segment	Distribute
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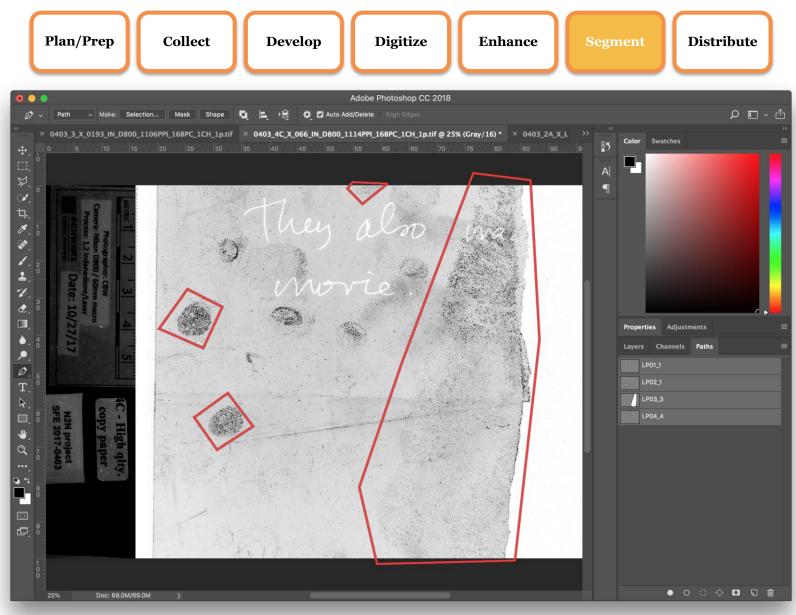


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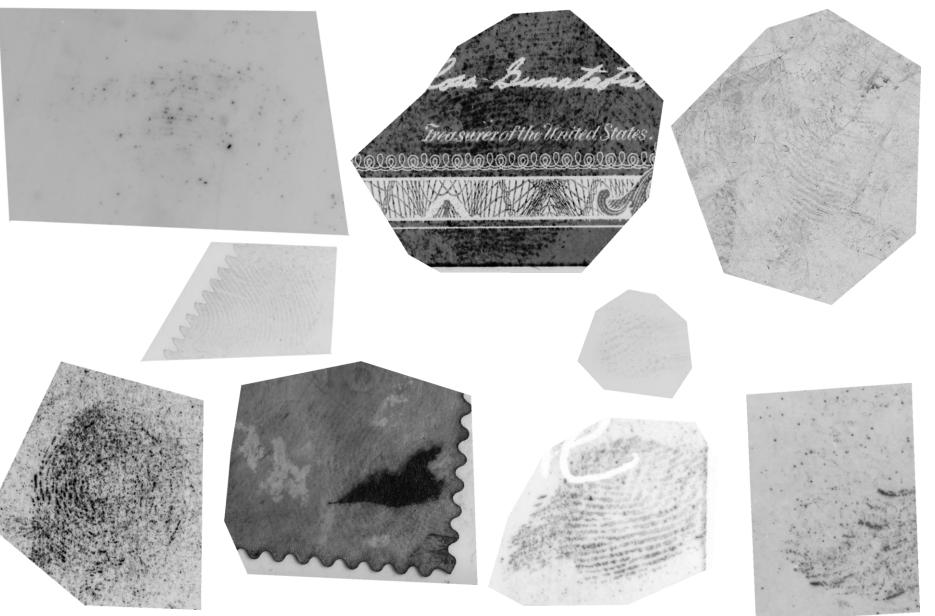
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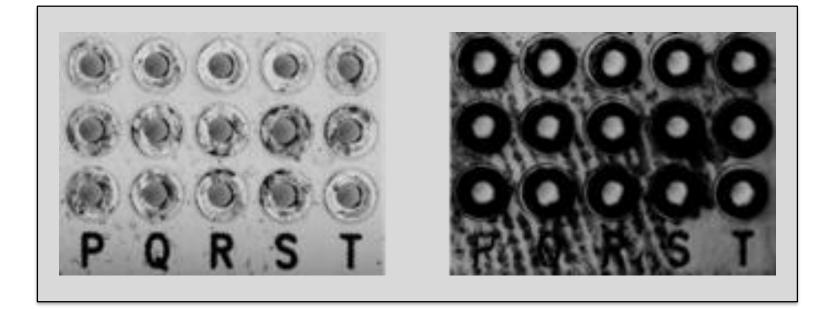






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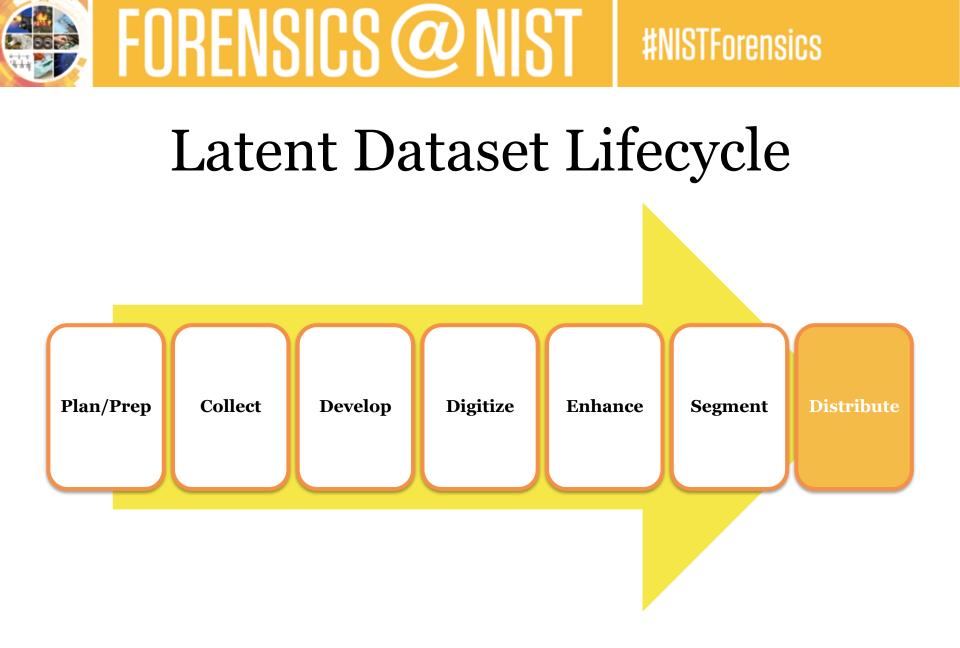
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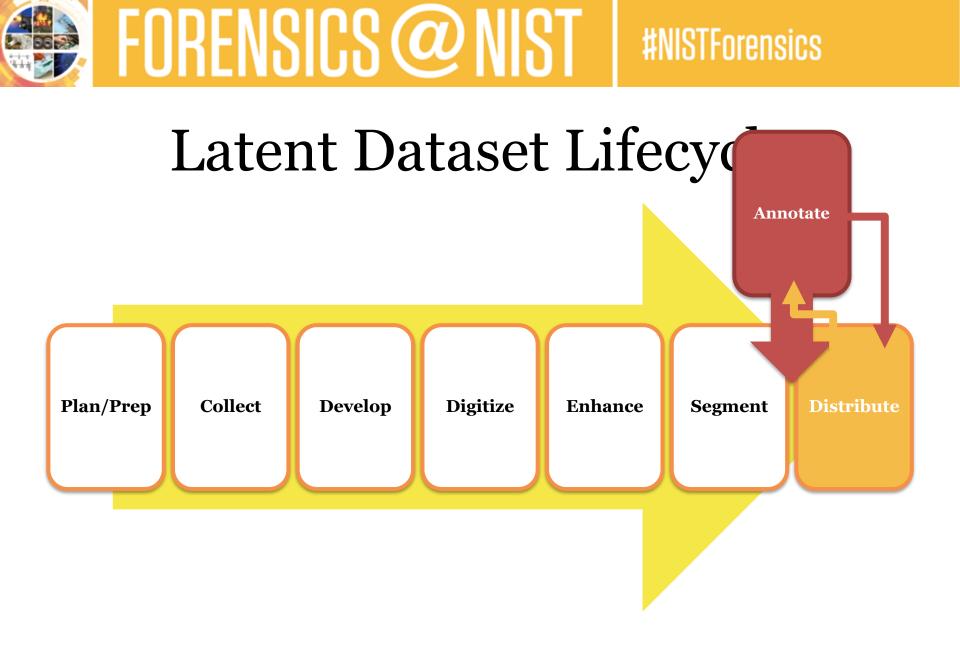
Fool me once...

- Human Subjects Protection
- Institutional Review Board
- Chief counsel review
- ✓ SP 800-30 Privacy Risk Assessment Methodology

DoC Privacy Program

- Privacy Threshold Analysis
- Privacy Impact Assessment
- SP 800-53 Rev 4 Appendix J Privacy Controls

□...and more



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