

DIFFER (Determinator of Image File Format propERties)

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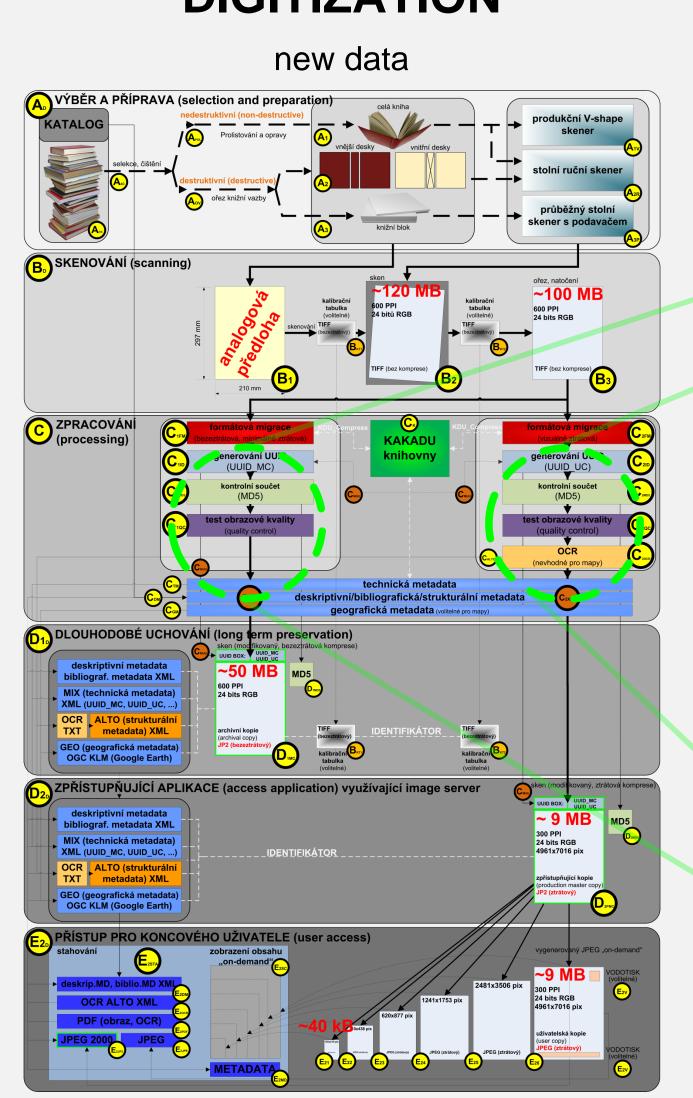
National Library of the Czech Republic



INPUT

Java-based GUI, Command Line (batch)

DIGITIZATION



OR

ogr

PI (Applicatio

FORMAT MIGRATION old (corrupted) data

Curate Thyself March 17th, 2013 The School of Information and Library Science University of North Carolina at Chapel Hill, USA

DIFER

SUPPORTED FORMATS:

TIFF, JPEG, JPEG 2000, DjVu, PNG, PDF, FITS

FUNCTIONALITIES:

VISUAL COMPARISON

SIMILARITY METRICS

RGB CHANNELS ANALYSIS

FILE FORMAT PROPERTIES READER METADATA SELECTION

JP2 PROFILE VALIDATOR

WHAT WE WRAP IN?

DAITSS (Digital Preservation Repository Software) **DJVUDUMP**

DROID (Digital Record Object Identification) **ExifTool** (Read, Write and Edit Meta Information!)

FFIdent (tool wrapper) **FITS** (File Information Tool Set)

Imagemagick

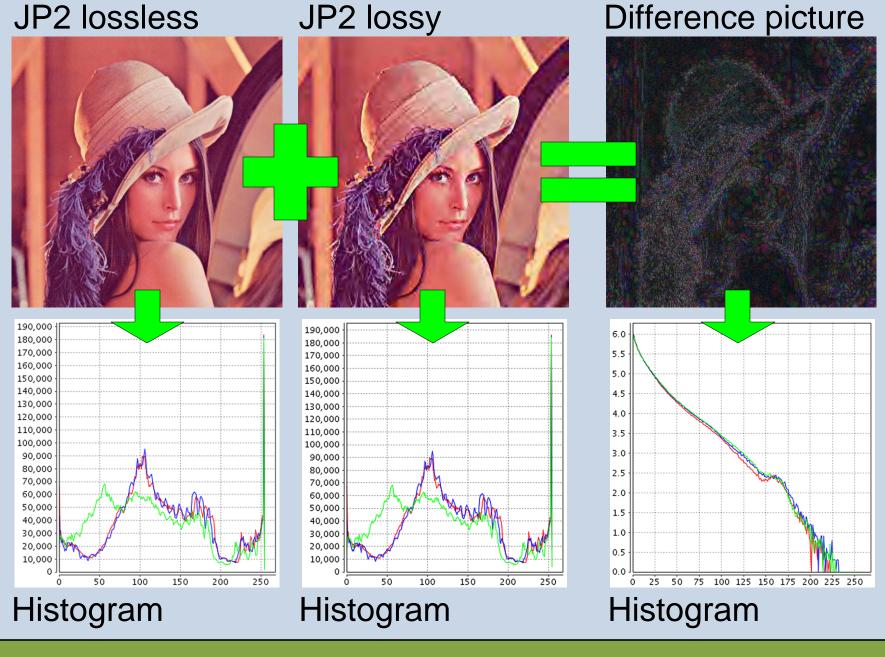
JHOVE (JSTOR/Harvard Object Validation Environment) Jpylyzer (by van der Knijff)

> **KDU_expand** (Kakadu library) NLNZ MTD Extraction Tool (tool wrapper) **PRONOM** (The technical registry PRONOM)

OUTPUT

Java-based GUI, selected significant properties, XML RAW export, CSV

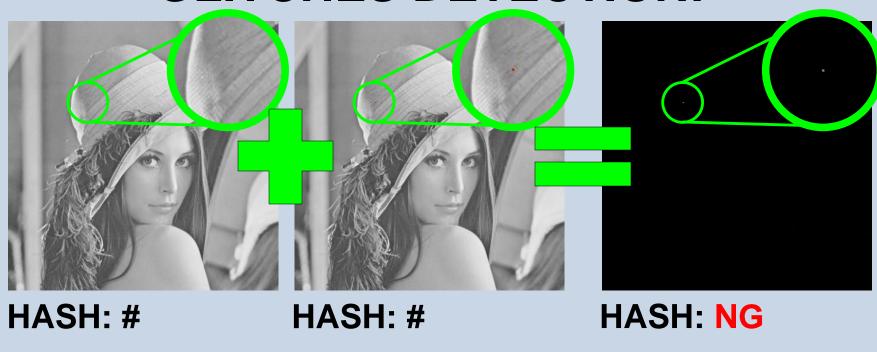
VISUAL COMPARISON:



PSNR, SSIM, MSSIM, UIQI

ARTEFACTS, OBSCURE, GLARE DETECTION

GLITCHES DETECTION:



IDENTIFICATION, VALIDATION, **CHARACTERIZATION**

VISUAL AND TEXTUAL EXPORT



