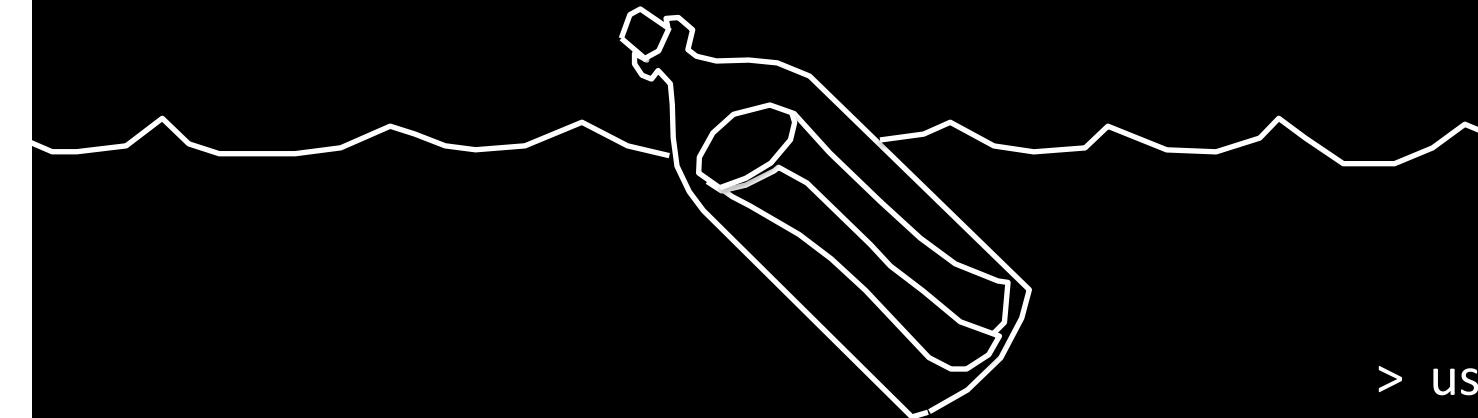


EMBEDDED METADATA AS MOBILE MICRO ARCHIVES

Nathalie Casemajor
UNIVERSITÉ DU QUÉBEC EN OUTAOUAIS

WHEN WE PUBLISH AN IMAGE ON WEB, WHERE DOES IT GO?



- > usage patterns (GLAMS)
- > memology (virality)
- > visibility
- > copyright management

TRAJECTORIES OF A PHOTOGRAPHIC PORTRAIT

GUSTAVE DORÉ BY NADAR



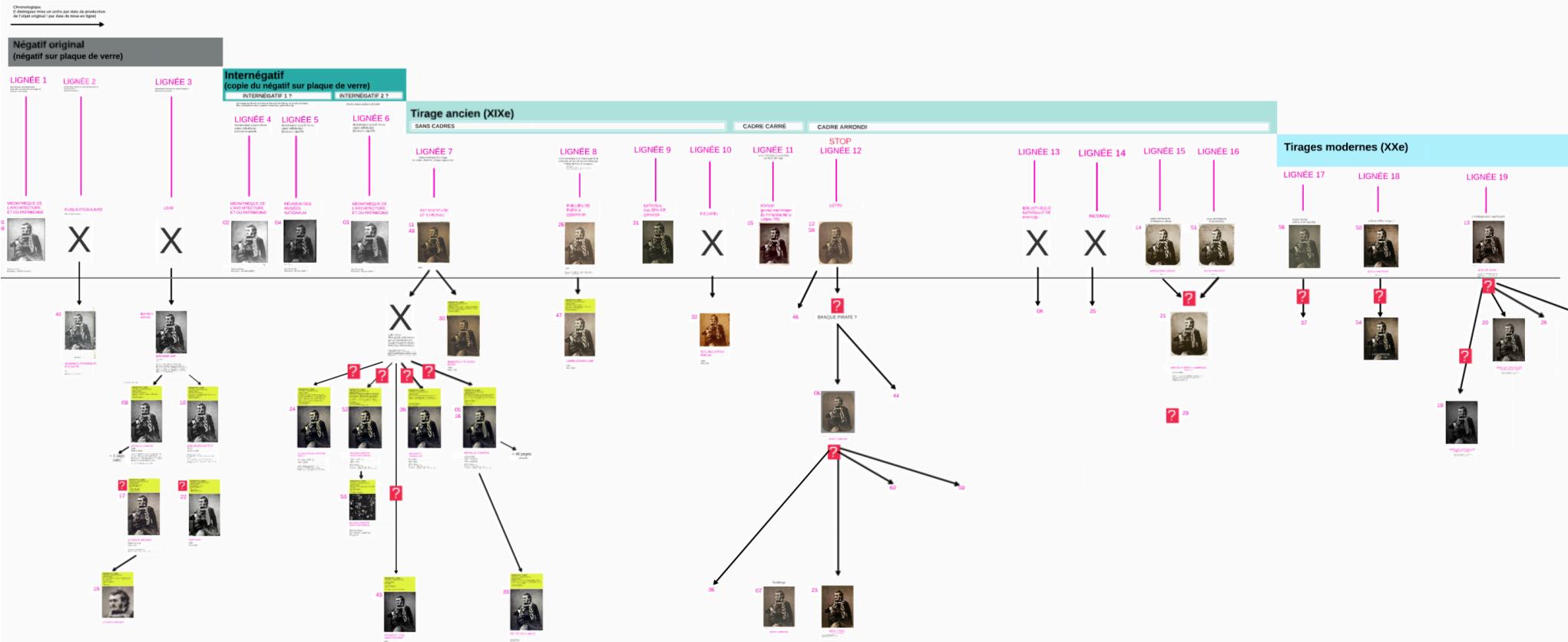


A CONSTELLATION OF DERIVATIVE OBJECTS

> « social life of digital things » (Beer & Burrows)

TRADITIONAL ARCHIVES & COLLECTIONS

> offline dissemination



WEB ARCHIVE

> online dissemination

EMBEDDED METADATA

> Mobile micro archives

XMP

XMP Toolkit Adobe XMP Core 5.3-c007 1.136881, 2010/06/10-18:11:35

Creator Tool Adobe Photoshop CS5 Macintosh

Create Date 2014:08:02 13:26:45-04:00

Metadata 2015:05:28 12:43:15-04:00

Date

Label Select

Format image/jpeg

Instance ID xmp.iid:01801174072068118C14A304DD58F249

Document ID adobe:docid:photoshop:20c5ebfb-452f-1178-bd00-f72ba185f06f

Original xmp.did:EEDA02F9392168119109959B5A360F0A

Document ID

Web http://mcrouter.digimarc.com/ImageBridge/router/MCRouter.asp?

Statement P_SOURCE=101&P_ID=127615&P_TYP=2&P_DID=0&P_IID=242805151&P_ATT=5

Marked True

Creator michel de broin

Title Artefact detail

History created, saved, saved, saved, saved, saved, saved, converted, derived, saved, derived, saved, saved, converted, derived, saved,

Action saved, converted, derived, saved, saved, converted, derived, saved, saved, converted, derived, saved, saved, saved, saved,

saved, saved, saved, converted, derived, saved, saved, saved, saved, saved, saved

History xmp.iid:EEDA02F9392168119109959B5A360F0A, xmp.iid:EFDA02F9392168119109959B5A360F0A,

Instance ID xmp.iid:F0DA02F9392168119109959B5A360F0A, xmp.iid:F1DA02F9392168119109959B5A360F0A,

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History When 2014:08:02 13:26:45-04:00, 2014:08:02 13:27:01-04:00, 2014:08:02 13:27:01-04:00, 2014:08:02 13:47:33-04:00, 2014:08:06 21:35:28-

04:00, 2015:03:29 20:18:30-04:00, 2015:03:29 20:18:30-04:00, 2015:03:29 20:19:18-04:00, 2015:03:29 20:19:18-04:00, 2015:03:30

00:45:37-04:00, 2015:04:01 18:39:14-04:00, 2015:04:01 18:39:14-04:00, 2015:04:03 11:40:46-04:00, 2015:04:03 11:40:46-04:00,

2015:04:03 12:16:06-04:00, 2015:04:03 12:16:06-04:00, 2015:04:06 13:12:23-04:00, 2015:04:06 13:12:23-04:00, 2015:04:06 13:13:48-

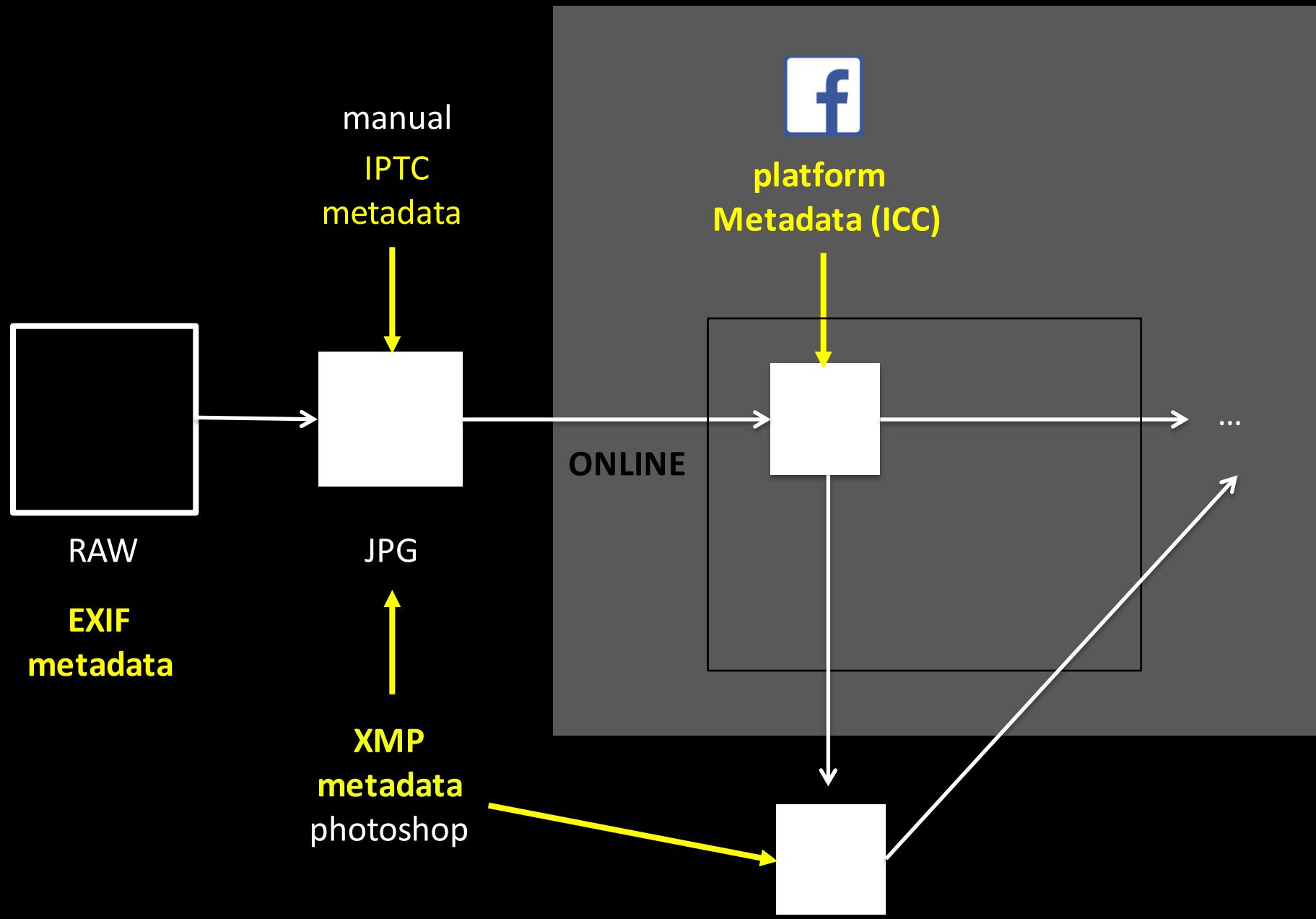
04:00, 2015:04:06 17:28:34-04:00, 2015:04:10 10:27:48-04:00, 2015:04:10 10:29:02-04:00, 2015:04:10 10:29:25-04:00, 2015:05:12

16:08:53-04:00, 2015:05:12 16:08:53-04:00, 2015:05:12 16:12:56-04:00, 2015:05:12 16:13:03-04:00, 2015:05:12 16:13:03-04:00,

2015:05:17 19:48:39-04:00, 2015:05:28 11:54:35-04:00, 2015:05:28 11:54:35-04:00, 2015:05:28 12:43:15-04:00

History Adobe Photoshop CS5 Macintosh, Adobe Photoshop CS5 Macintosh, Adobe Photoshop CS5 Macintosh, Adobe Photoshop CS5

METADATA ANALYSIS I categories



DATA REMOVED

/ ADDED

/ RETAINED

=> similarities in:

- > file names
- > creation / modification dates
- > unique ID
- > copyright info

NO Image Unique ID

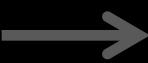


Image Unique ID:

bff4bf88eb7cb8740333d96e4b5ba4a0



Image Unique ID:

bff4bf88eb7cb8740333d96e4b5ba4a0

ART INSTITUT CHICAGO

COLLECTIONS LEARN JOIN AND GIVE

Collections > About This Artwork

About This Artwork

Browse selections

Nadar (Gaspard Félix Tournachon)
French, 1820–1910

Gustave Doré, 1856/58
Albumen print
23.6 x 18.7 cm (image/paper)

Julien Levy Collection, Gift of Jean and Julien Levy,
1975.1143

Photography
Not on Display

Email Print Facebook Twitter

WIKIPÉDIA L'encyclopédie libre

Fichier Discussion

Accueil Portails thématiques Article au hasard Contact

Contribuer Débuter sur Wikipédia Aide Communauté Modifications récentes Faire un don

Outils

Langues

Fichier:Paul Gustave Dore by Felix Nadar

Taille de cet aperçu : 472 × 600 pixels. Autres résolutions : 189 × 240 pixels | 566 × 719 pixels.
Fichier d'origine (566 × 719 pixels, taille du fichier : 148 Kio, type MIME : image/jpeg)

Noctopian

This is a quest for inspiration
Instagram.

theremina:
Paul Gustave Dore by Felix Nadar 1855-1859
MAY 12 2010 VIA THEREMINA 21 NOTES

CAVEATS / QUESTIONS

> Dynamics of **accumulation and degradation** (politics of platforms)

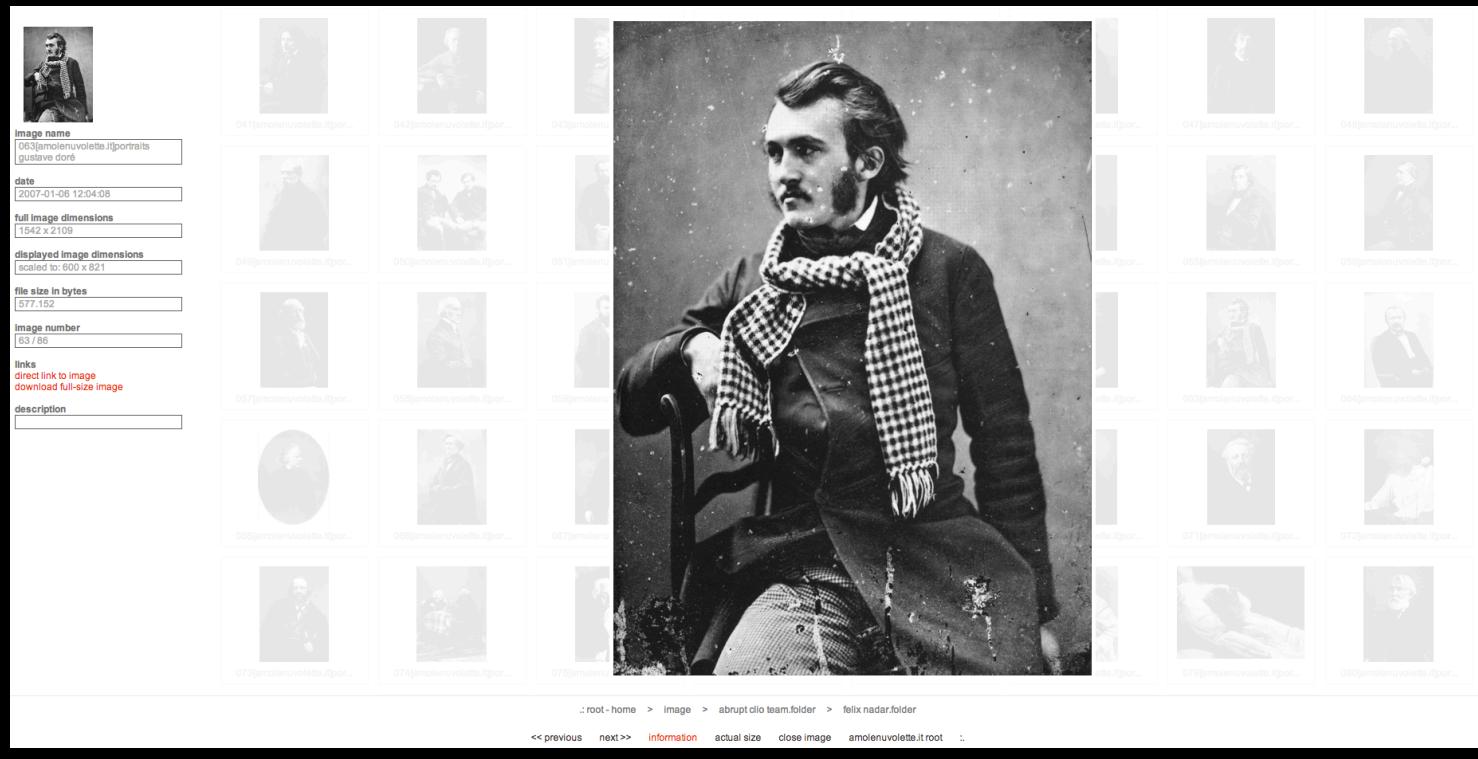
> When a webpage is archived, the **creation date** of a file may be modified

Simply moving a file “from one location to another may change creation or modification dates found in the metadata” (Sedona Principles).

> **Embedded scripts** to enhance web search visibility?

"I take care of the quality and integrity of the files, arranging them for a correct search engine crawling [so your file can be found for example with google images]."

"I have built a search engine friendly script, so you can probably find them by google images in the future."



High resolution
From Peer2Peer

CAVEATS / QUESTIONS

- > **Ethics of web research**
(leaks, P2P, “content liberation” activism)

- > Build an **image based Web archive** corpus:
 - List of URLs to capture based on Google Image Reverse Search and TinEye?
 - Other ideas?

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