FOSS and Photography

Adfinis

Beat Rubischon

Photo seller with federal qualification certificate

https://fotistudio.ch/

FOSS Situation today

Push

〉 Motivation: *I needed it, I built it, I share it*

〉 Fame 😉

〉 We do not see any "open core" or commercially driven FOSS in photography

  〉 ...except CinePaint

Pull

〉 Vendors switched to patented ISOBMFF and HEIF formats

〉 Shift from optically to digitally correction in lenses

〉 Corona screwed up communities

  〉 Developers have to work hard to get $$$

  〉 Students have to work hard to get Bologna Points

〉 Commercial applications are far ahead and pretty cheap

Workflows & Tools

A typical workflow in the silver film days

Film

Picture
taking

Development
Printing

Editing
Retouche

Presentation
Archival
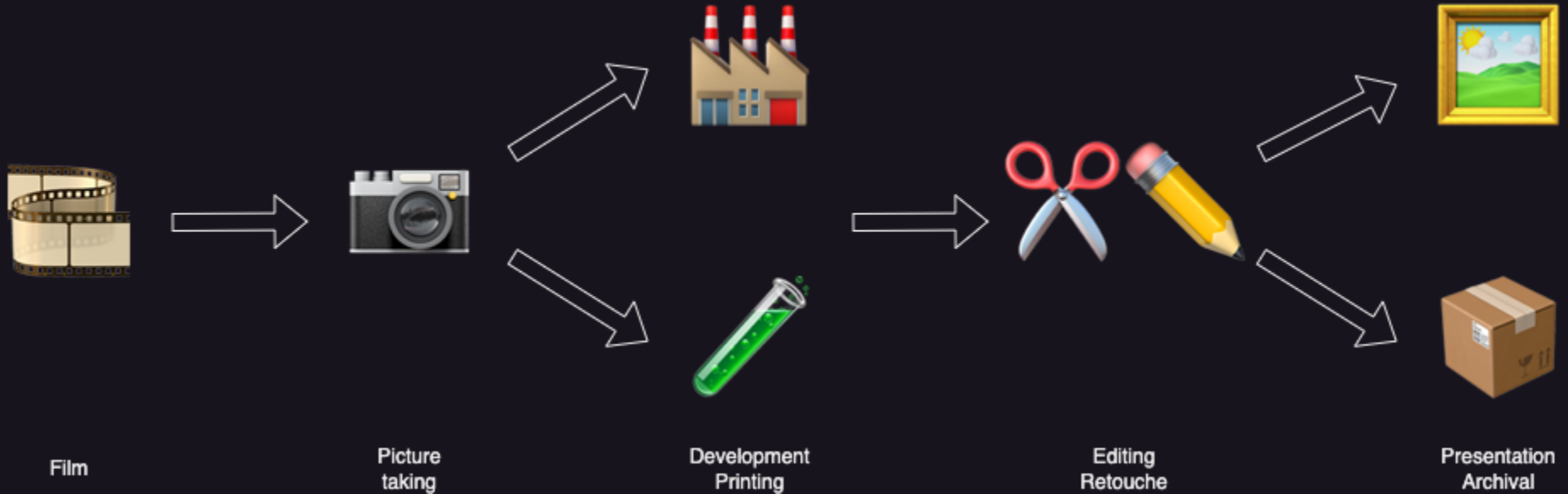
A typical workflow in the digital age
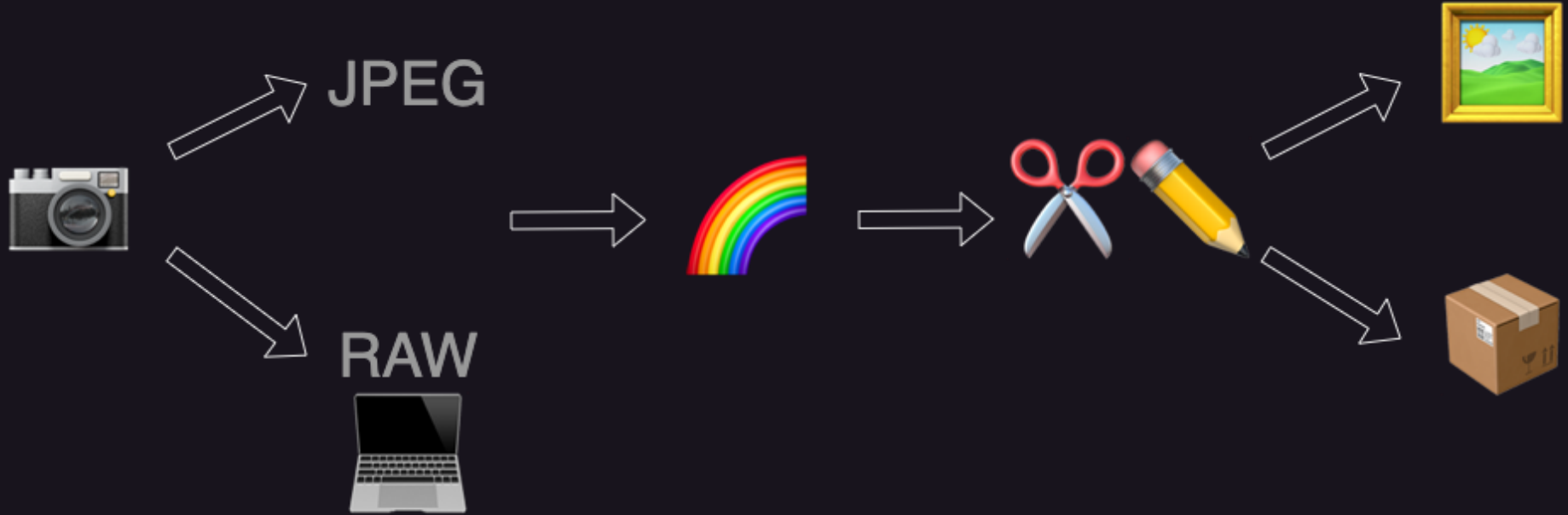
Picture taking · Development · Grading · Editing Retouche · Presentation Archival

Place of FOSS tooling
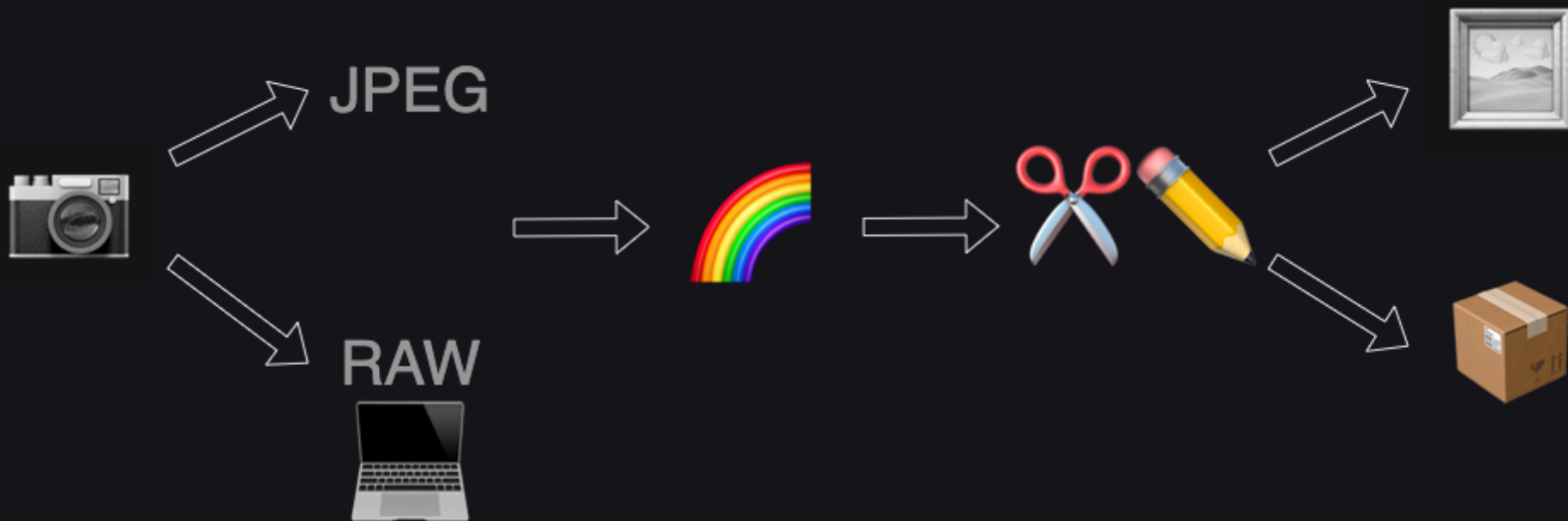
Picture taking → JPEG / RAW (Development) → 🌈 (Grading) → ✂️✏️ (Editing / Retouche) → 🖼️ / 📦 (Presentation / Archival)

Camera firmware 🪦

> FOSS: [Magic Lantern](), [CHDK]()

>> Compute power in cameras exploded

>>> Driven by video

>> No more reverse engineering since 2018

Development

〉 FOSS: Darktable, RAW Therapee, some minor players

　　〉 Big improvements until early 2020

　　〉 Best option if you want to learn how it works

〉 Proprietary: Lightroom, DXO Photo Lab, Capture One, some minor players

　　〉 Big improvements between 2020 (post cloud) and 2022 (pre AI hype)
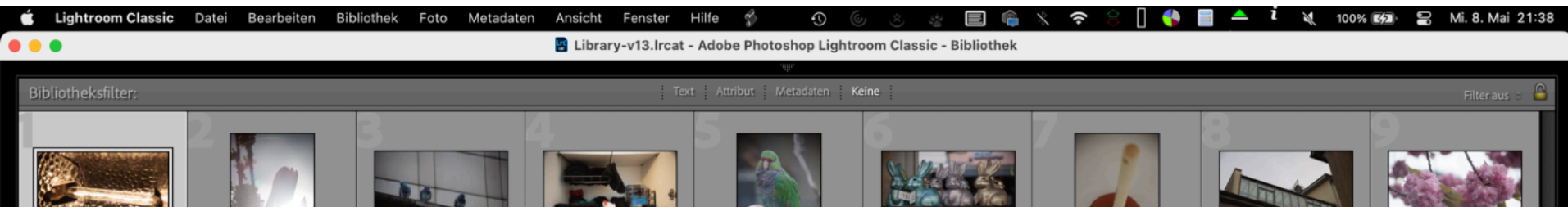
Color profiling & grading

> Color profiling

>> [Hacky like hell](#)

>> Hint: Get proper profiles from [DNG Converter](#)

> Grading

>> Various commercial applications & profiles

>> [HaldCLUT](#)

>> DIY (it's fun they said)

Editing

⟩ FOSS: [The Gimp](#)

  ⟩ Easy to start with

  ⟩ Roughly 10+ years behind Photoshop

⟩ Proprietary: [Photoshop](#)

  ⟩ A beast with >1200 tools for 12.- / month

⟩ FOSS: [ImageMagick](#)

  ⟩ Hell and heaven at the same time 😉
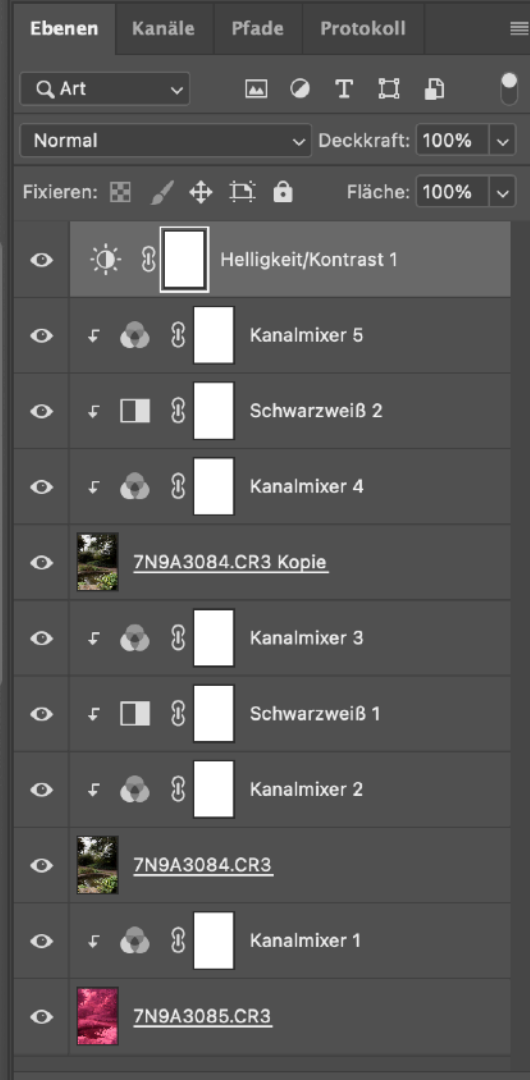
Printing 💀

〉 Most printers understand Air Print...
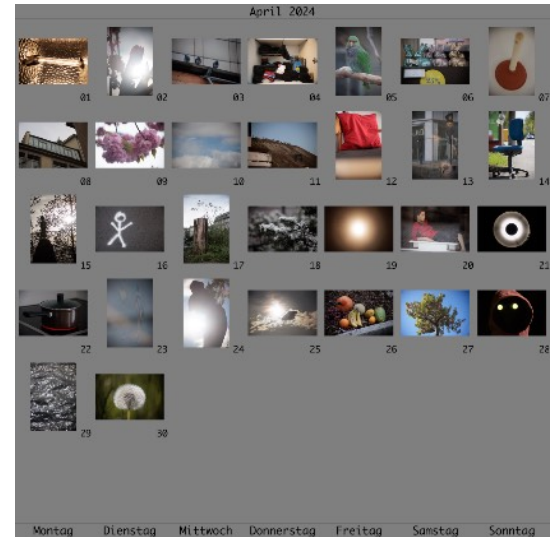
   〉 ...but their firmware sucks

〉 Upload to service provider

   〉 ifolor

   〉 bookfactory

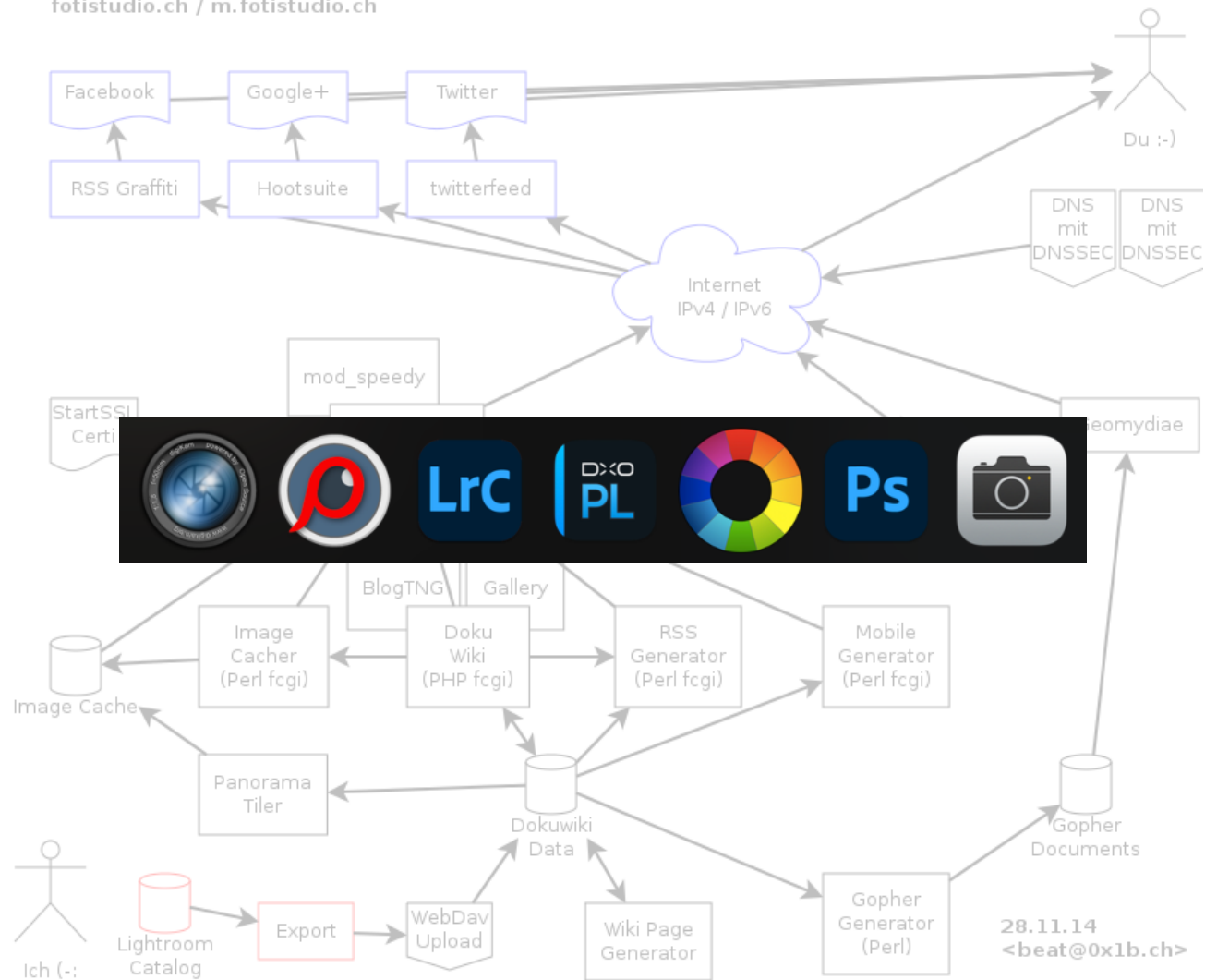# Archival

〉 DIY: Messy directory structure (Don't do this!)

〉 Most tools (FOSS and commercial) are cloud based 🙄

〉 FOSS: digiKam

〉 Proprietary: Too expensive to be considered

Personal workflow

fotistudio.ch / m.fotistudio.ch

Facebook

Google+

Twitter

Du :-)

RSS Graffiti

Hootsuite

twitterfeed

DNS mit DNSSEC

DNS mit DNSSEC

Internet IPv4 / IPv6

mod_speedy

StartSSL Certi...

...eomydiae

BlogTNG

Gallery

Image Cacher (Perl fcgi)

Doku Wiki (PHP fcgi)

RSS Generator (Perl fcgi)

Mobile Generator (Perl fcgi)

Image Cache

Panorama Tiler

Dokuwiki Data

Gopher Documents

Ich (-:

Lightroom Catalog

Export

WebDav Upload

Wiki Page Generator

Gopher Generator (Perl)

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Stay in Touch

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