

Metadata for image quality and Digital Object Authenticity Working Group (DOAWG)

IPTC Photo Metadata Conference 2025

Panel 2: Image metadata in the real world

18.09.25 - Online

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Head of Photography

Intermunicipal archive of Møre og Romsdal

Digital Object Authenticity Working Group
(DOAWG)



Photo: Ottar A.B. Anderson © 2003

Agenda

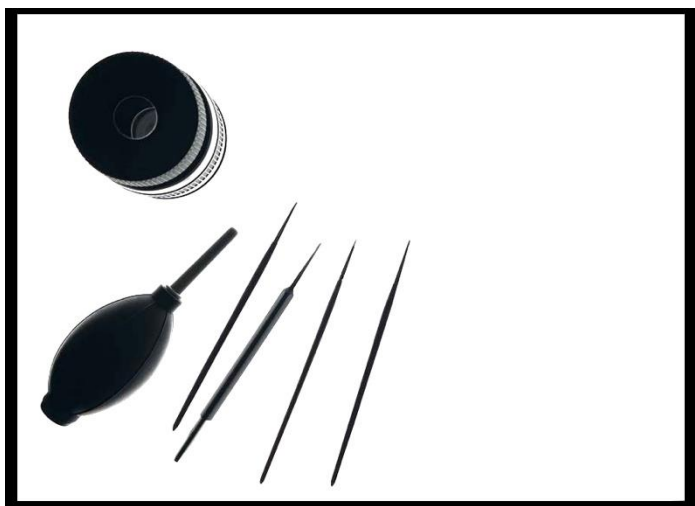


Photo: Ottar A.B. Anderson ©

Definitions

Challenge

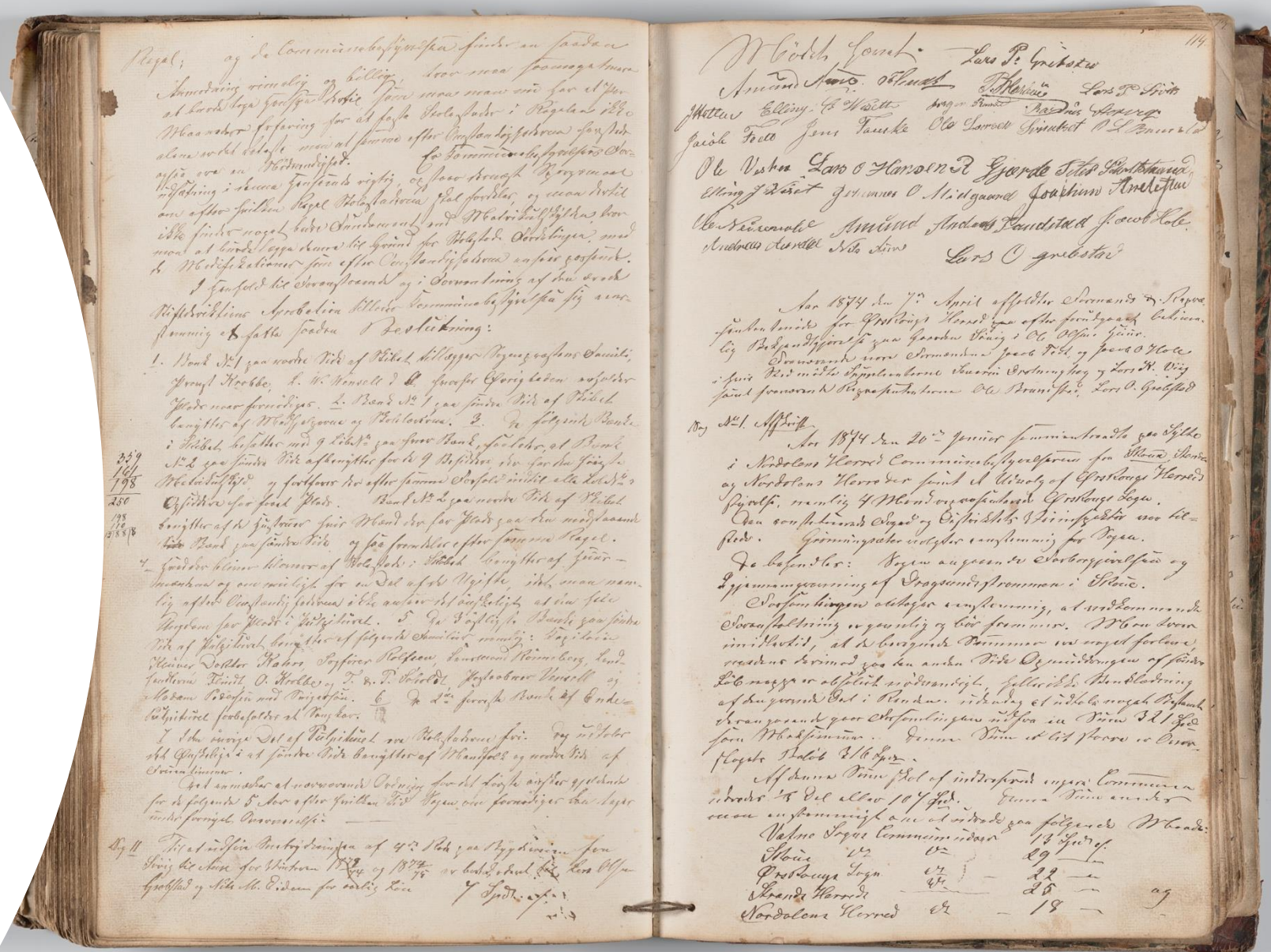
Image quality metadata

User case

Digital Object Authenticity Working Group
(DOAWG)

GLAM

Galleries
Libraries
Archives
Museums



Definitions

HERITAGE DIGITIZATION

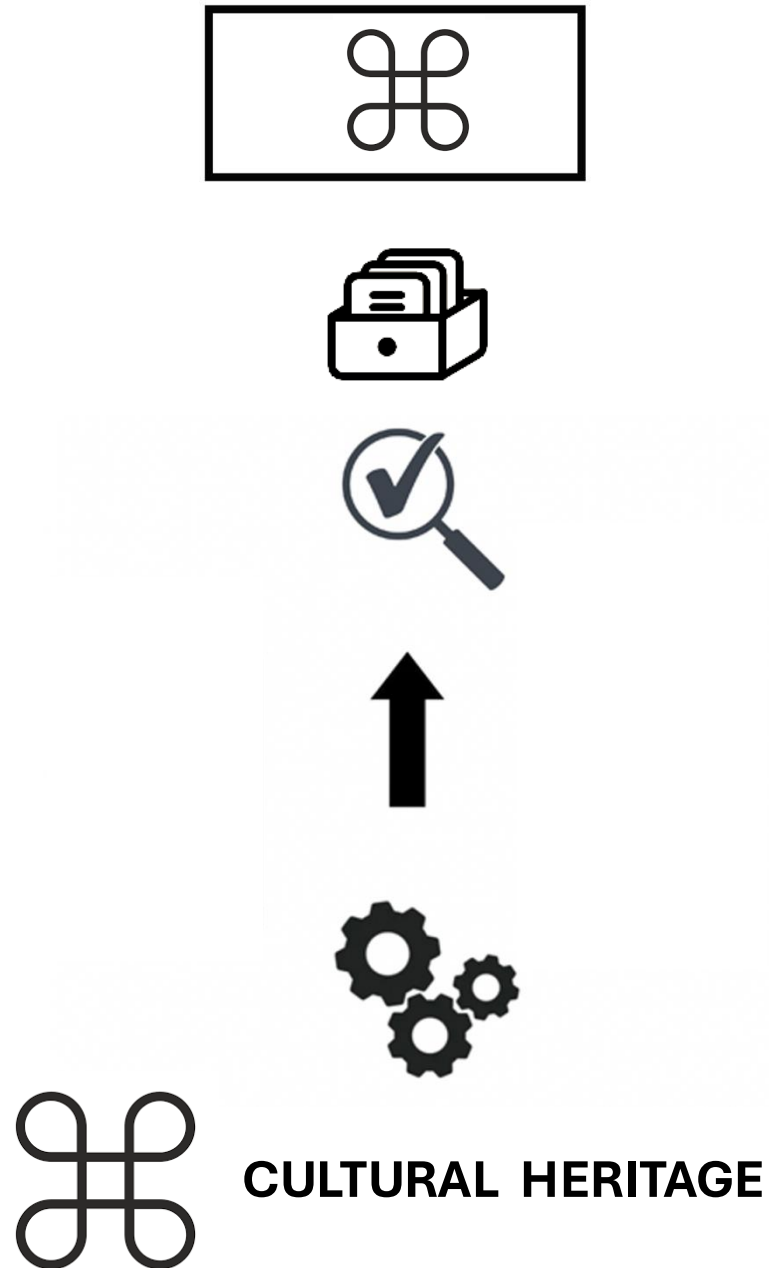
The process of converting a physical cultural object into digital formats

Accessibility
Preservation
Discovery



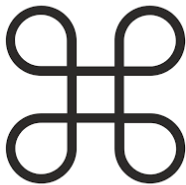
Challenge

From physical object to
digital representation of
data viewed on a
computer screen



Challenge

Photographic collections



CULTURAL HERITAGE

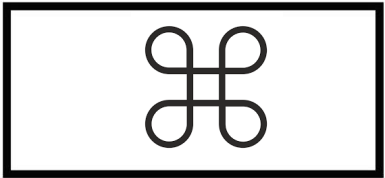
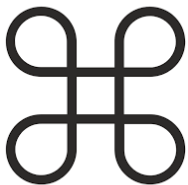
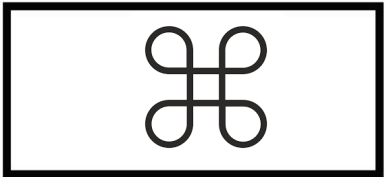


Photo: Ottar A.B. Anderson © 2003

Challenge

Photographic collections

International standards and guidelines
Reference(s) with values that are measurable



CULTURAL HERITAGE

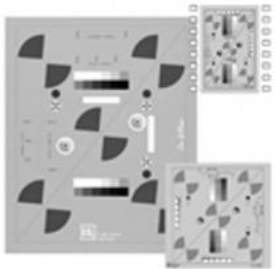


Photo: Ottar A.B. Anderson © 2003



Image quality metadata

Proof of concept

XMP embedded image quality metadata according to ISO 19264-1:2021

➡ 2021 - 2023

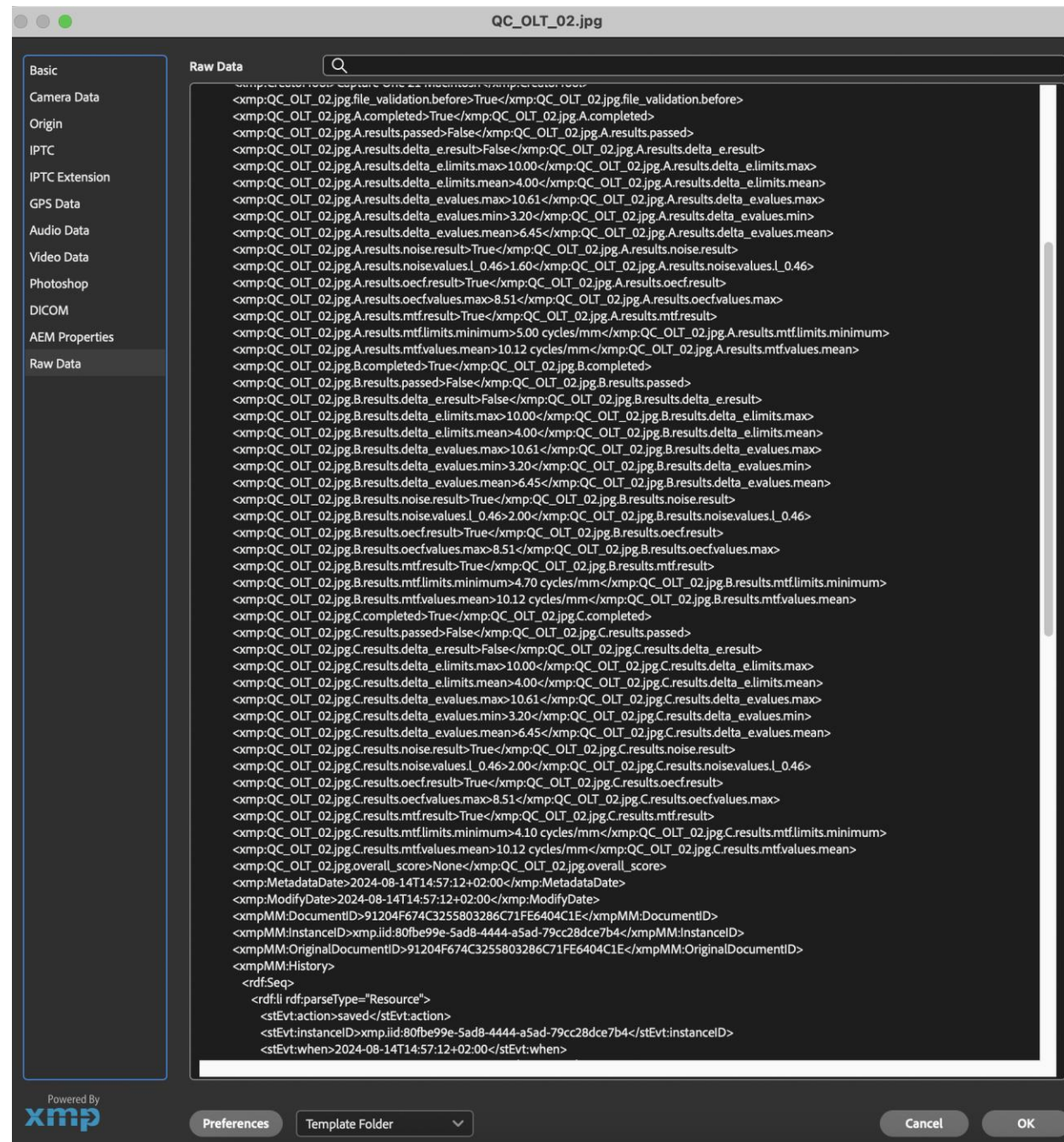


Image quality metadata

Example with the use of
Adobe Custom Metadata Panel

On going work to establish a new
set of fields in the IPTC
Photo Metadata Standard for
image quality metadata for
HERITAGE DIGITIZATION

ISO 19264-1 <https://www.iso.org/standard/79172.html>

Image Quality Results

Level A	✓	▼	🗑️
Analysis software name			
Phase One NimbusQA	✓	▼	🗑️
Material type			
Reflective	✓	▼	🗑️
Target ID			
ISA Object Level Target x1	✓	▼	🗑️
Light source type			
Phase One D8 R+ LED, 5456 Kelvin, 98 TM 30-18 Rf	🗑️	➕ Add Text	

Screen shot from Adobe Custom Photo Metadata Panel

Adobe Custom Metadata Panel

Plugin version 2.0.12

Adobe Photoshop
Adobe Bridge

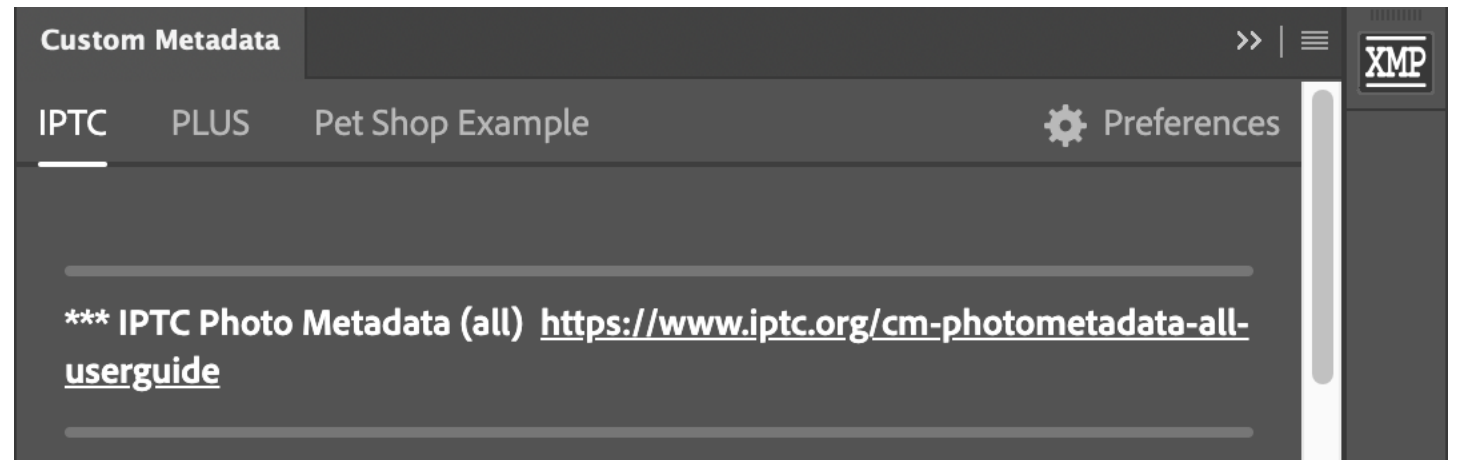
➔ Update 29.04.2025

Adobe Exchange



Custom Metadata Panel

Adobe DME Services



Screen shot from Adobe Photoshop 26.10.0

IPTC Photo Metadata Standard

IPTC Extensions

Digital Source Type

➡ Update 29.09.2024

- ✓ Digitised from a negative on film
- Digitised from a positive on film
- Digitised from a print on non-transparent medium

Digital Source Type

Digitised from a transparent negative ▼

- Digital capture sampled from real life
- Multi-frame computational capture sampled from real life
- Digitised from a transparent negative ✓
- Digitised from a transparent positive
- Digitised from a non-transparent medium
- Human-edited media
- Edited using Generative AI
- Algorithmically-altered media
- Digital creation
- Data-driven media
- Created using Generative AI
- Pure algorithmic media
- Screen capture

User case

IPTC Photo Metadata Standard
IPTC Extensions

Digital Source Type
Artwork or Object in the Image
Physical Description

Digital Source Type

Digitised from a transparent negative ✓ ▼

Physical Description (Default)

Color negative film, Fujicolor NHP 400, ISO 400, 120 format, 6x6 cm



Photo: Ottar A.B. Anderson © 2003

User case

IPTC Photo Metadata Standard
IPTC Extensions

Digital Source Type
Artwork or Object in the Image
Physical Description

Digital Source Type

Digitised from a transparent positive ✓ ▼

Physical Description (Default)

Color reversal film, Fujichrome ASTIA 100F, RAP, ISO 100, 120 format, 6x6cm



Photo: Ottar A.B. Anderson © 2003

User case

IPTC Photo Metadata Standard
IPTC Extensions

Digital Source Type
Artwork or Object in the Image
Physical Description

Digital Source Type

Digitised from a non-transparent medium

Physical Description [\(Default\)](#)

Photographic color print on Kodak Ektacolor SUPRA paper, RA4 process, 12x12 cm



Photo: Ottar A.B. Anderson © 2003

User case

IPTC Photo Metadata Standard
IPTC Extensions

Digital Source Type
Artwork or Object in the Image
Physical Description

Digital Source Type

Digitised from a transparent positive ✓

Physical Description (Default)

Stained glass

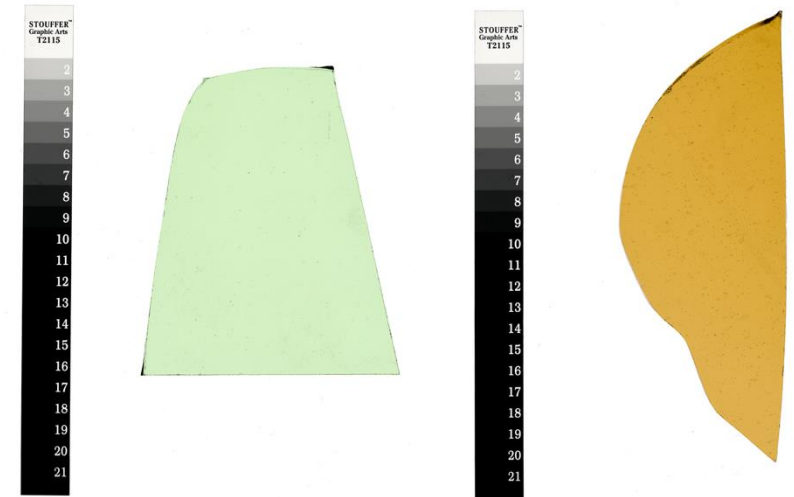


Photo: Piotr Cabaj / IKAMR ©

Digitalarkivet

Q

Søk i våre arkiver

≡

Vekting av søkemetoder

Metadata ⓘ

Kunstig intelligens ⓘ

≡

Filter

Nullstill



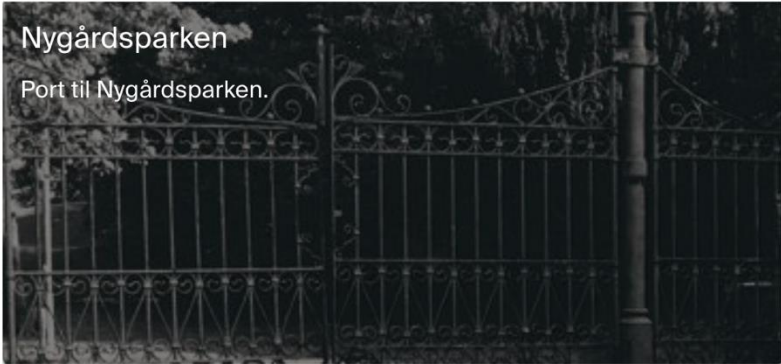
grafi

+

✓ Bilder (82741)

Dokumenter (752941)

↕ Relevans ▾



Nygårdsparken

Port til Nygårdsparken.

Kildeinformasjon



Detaljer om bildet



Vilkår for bruk CC BY



Teknisk informasjon



Last ned bilde



Last ned bildet

Ved bruk av våre bilder skal opphavsperson, rettighetshaver og/eller bevaringsinstitusjon alltid krediteres.

Fotokreditering



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Byarkiv. Delingslisens: [CC BY](#)

(<http://creativecommons.org/licenses/by/4.0/>).

Originalbilde: [digitalarkivet.no](#)

(<https://nye.digitalarkivet.no:/source/295712/photo/748d16ed-2322-4a4d-9324-e3c5bb1d0a24>).

Filformat

☐ JPEG

☐ JPEG 2000

☒ Originalformat

Størrelse på bildefilen

☐ Liten 1080px

☐ Medium 2160px

☐ Stor 4320px

☒ Max størrelse

Last ned

Avbryt

Nygårdsparken

Port til Nygårdsparken.

Kildeinformasjon +

Detaljer om bildet +

Vilkår for bruk CC BY +

Teknisk informasjon +



Teknisk informasjon

Filnavn

fo60234068000307.jp2

Dimensjoner pixler

5910 x 4048

<https://nye.digitalarkivet.no/source/295712/photo/748d16ed-2322-4a4d-9324-e3c5bb1d0a24?media=photo>

Digital Source Type

Digitised from a non-transparent medium

Physical Description (Default)

Photographic black and white print on Agfa paper, 20x30cm

ISO 19264-1 <https://www.iso.org/standard/79172.html>

Image Quality Results

Level A



Analysis software name

Phase One NimbusQA



Material type

Reflective



Target ID

ISA Object Level Target x1



Light source type

Phase One D8 R+ LED,
5456 Kelvin, 98 TM 30-18 Rf



Add Text

Digital Object Authenticity Working Group (DOAWG)

DOAWG is an independent,
voluntary working group established
by inter disciplinary professionals
within the GLAM community
(Galleries, Libraries Archives and
Museums)

Imaging Process Survey

www.doawg.org



Digital Object Authenticity Working Group (DOAWG)

Displaying relevant metadata in an
easily accessible and
understandable way

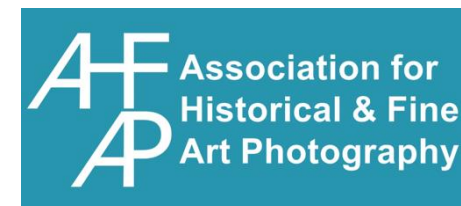
www.doawg.org



IPTC Spring Meeting 2025
14 – 16 May, Juan les Pins, France



Online – 18 September 2025



10 & 11th November 2025



International
Image
Interoperability
Framework

IIF Annual Conference and
Showcase - Leeds, England, UK -
June 2-5, 2025



Society for Imaging Science and Technology

ARCHIVING2025
Granada, Spain **JUNE 24-27**

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Thank you!

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