



FILMOTEKA NARODOWA

FILMOTEKA NARODOWA
NATIONAL FILM ARCHIVE IN POLAND

NITROFILM

www.nitrofilm.pl

**CONSERVATION AND DIGITALISATION OF PRE-WAR
FEATURE FILMS AT THE NATIONAL FILM ARCHIVE IN
WARSAW**

- The resources of Filmoteka Narodowa include a unique collection of **160 Polish pre-war feature films**.
- Owing to more than 50-year long busy activity of our archive we managed to bring over **70% of pre-war sound films and only 5% of silent films back to the Polish heritage**.
- The most valuable part of the collection are **flammable nitrate films**.

NITROFILM



OBJECTIVES OF THE PROJECT:

- **Long-term preservation and provision of a public access to the collection of Polish pre-war cinema.**
- **Creation of the only Polish workshop specializing in digitization and restoration of films.**
- **Digitization and execution of digital version of 43 Polish pre-war feature films.**
- **Complete digital restoration of 3 films.**
- **Formal premieres** of restored films with especially composed music.
- **Scientific conference** devoted to conservation, restoration and digitization of nitrate films.



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Thanks to new conservatory devices and tools Filmoteka Narodowa -for the first time in Poland- perform complex conservation, digitalization and restoration of the oldest films.



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THREE FILMS WILL UNDERGO A COMPLETE RECONSTRUCTION:

'Mania. Historia pracownicy fabryki papierosów',
dir. Eugen Illés, Germany 1918

'Pan Tadeusz', dir. Ryszard Ordyński, Poland 1928

'Zew morza', dir. Henryk Szaro, Poland 1927

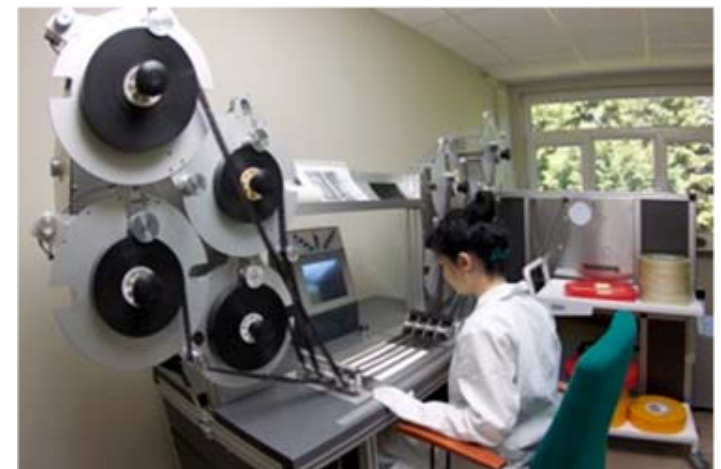


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THE FIRST STEP TOWARD DIGITAL REPOSITORY OF THE POLISH FILMS



- Conservation of 43 nitrates prints - film repairing, comparing and cleaning,
- 4K digitalization,
- 4K new digital reels,
- „Eternal archive” – new 35mm reels digitally printed



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DIGITAL RESTORATION



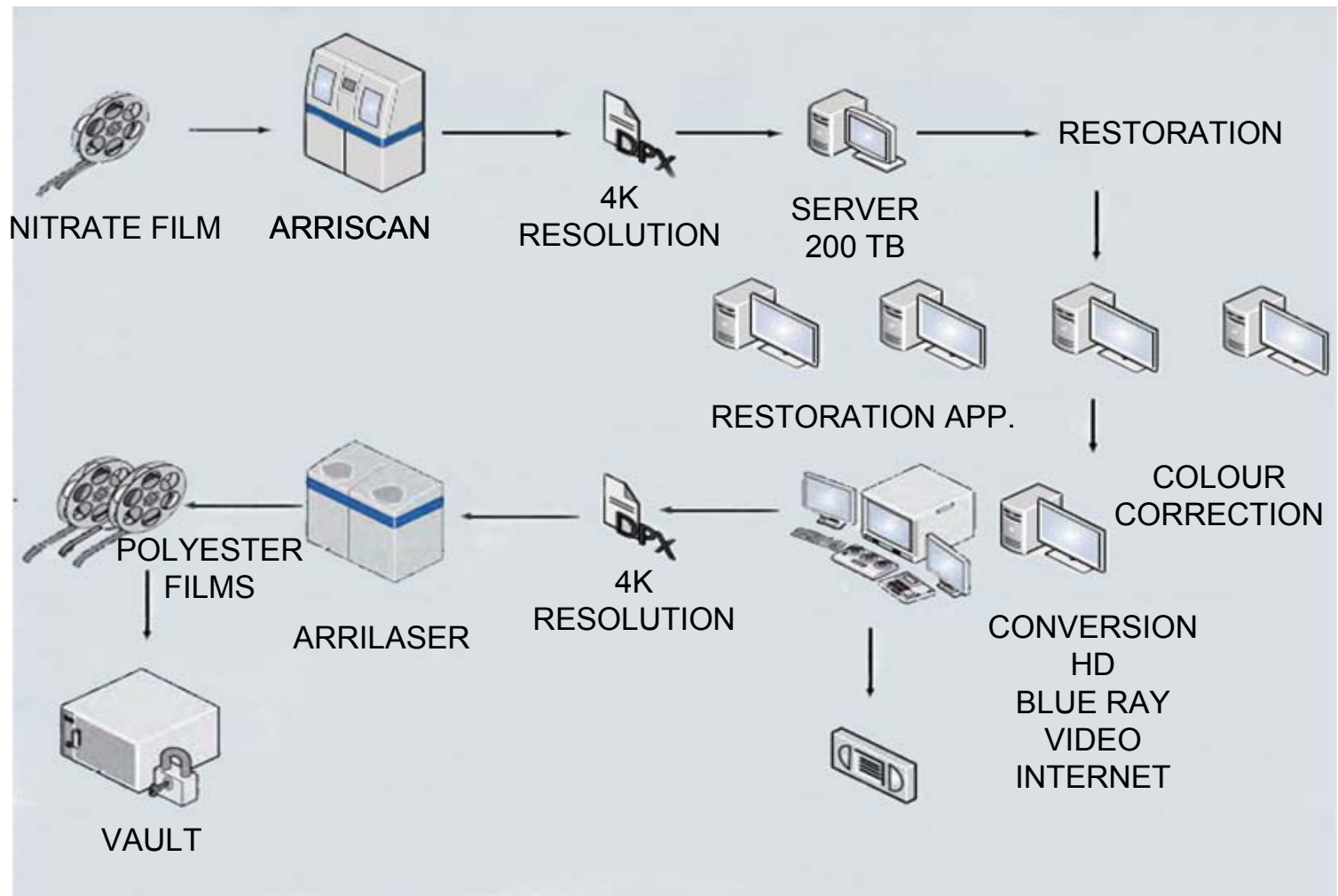
THE FILM RESTORATION LAB

Digital treatment of image by dedicated software to eliminate some physical damage of the film.



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DEVELOPMENT OF TECHNICAL SUPPORT – DIGITAL SYSTEMS WORKFLOW



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DIGITALIZATION OF FILMS TO THE FILE FORMAT FILES TV/2K/4K INTERNET

4K



HD TV /2K



DVD < PAL = TV



INTERNET



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THE SELECTION OF ARCHIVALS MATERIALS



Film analysis to chose the best prints for restoration.

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Negative - **Interpositive** - **Duplicate negative** - **Positive**

1 generation

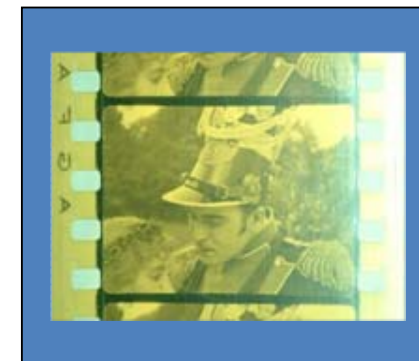
2 generation

3 generation

4 generation

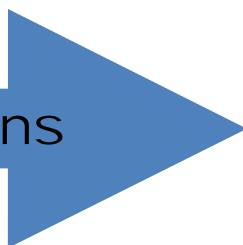


The original of Lost



Existing material

Film generations



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**‘MANIA. HISTORIA PRACOWNICY FABRYKI PAPIEROSÓW’
‘MANIA. DIE GESCHICHTE EINER ZIGARETTENARBEITERIN’
dir. Eugen Illes, Germany 1918**



**CONSERVATION AND DIGITALISATION OF PRE-WAR FEATURE FILMS
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PHISYCAL DAMAGE



Scratching, base damage



Old splices

**CONSERVATION AND DIGITALISATION OF PRE-WAR FEATURE FILMS
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PHISYCAL DAMAGE



Old repairs



Perforation damage



Perforation and film damage

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PHISYCAL DAMAGE



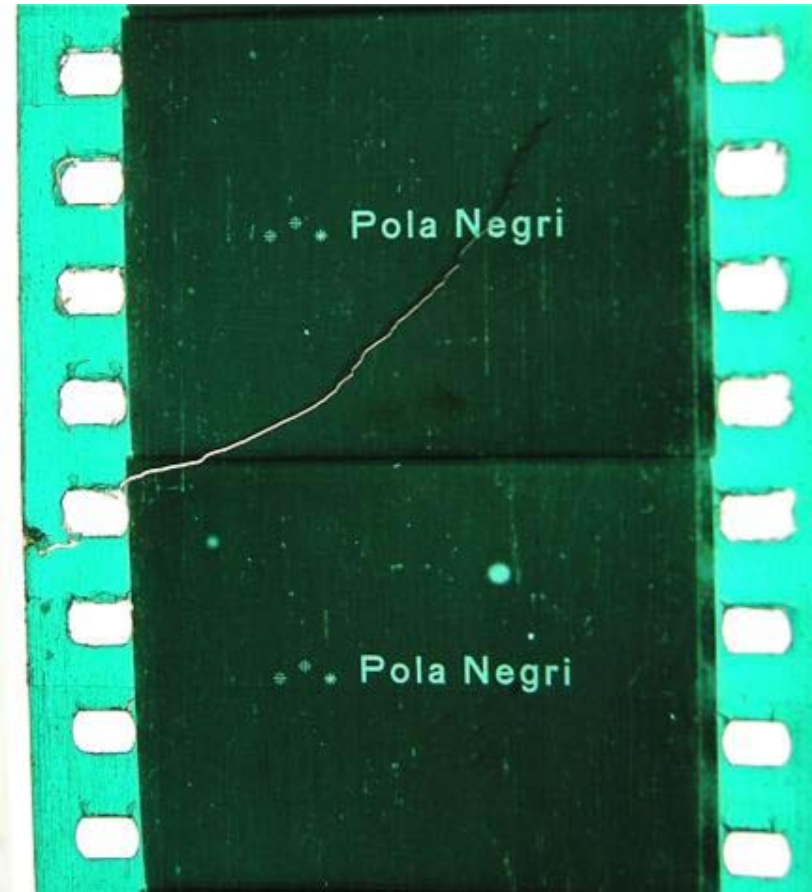
Perforation and emulsion damage



Old splices

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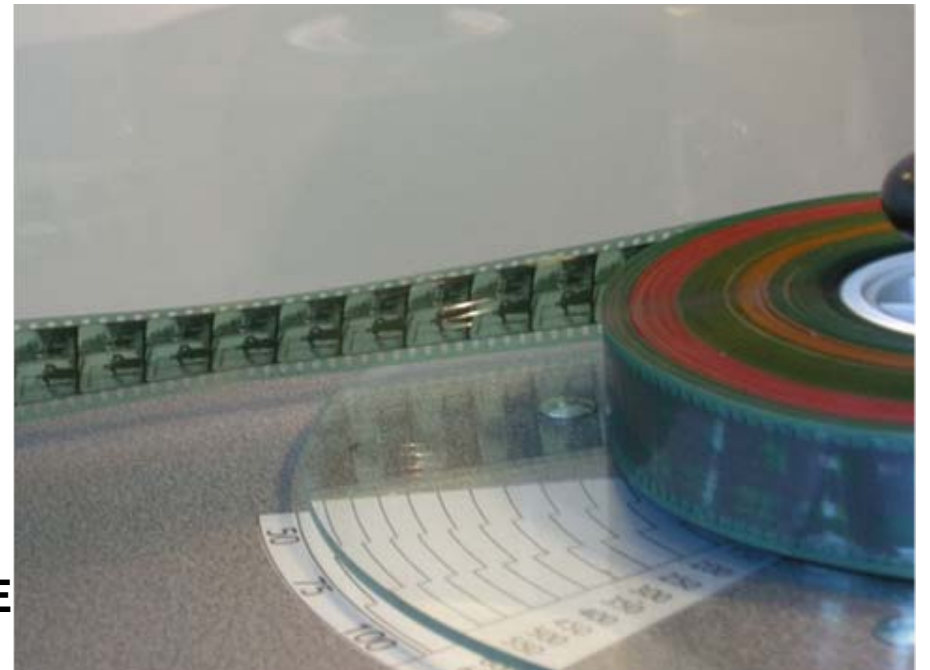
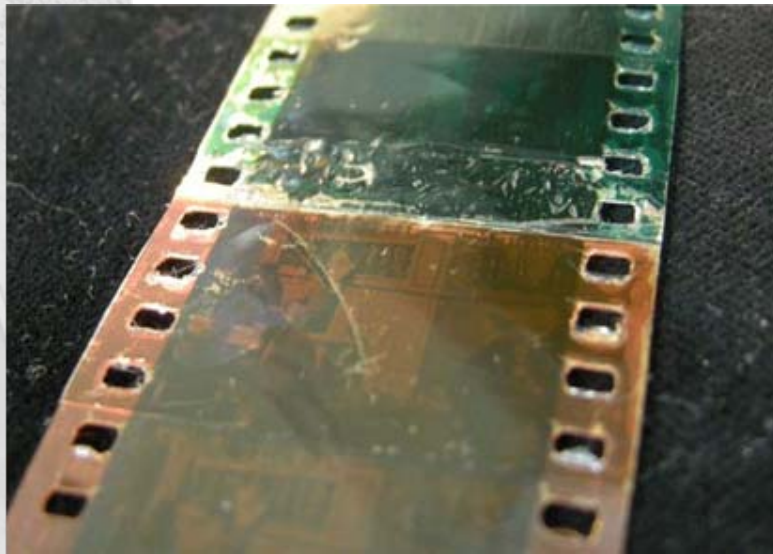
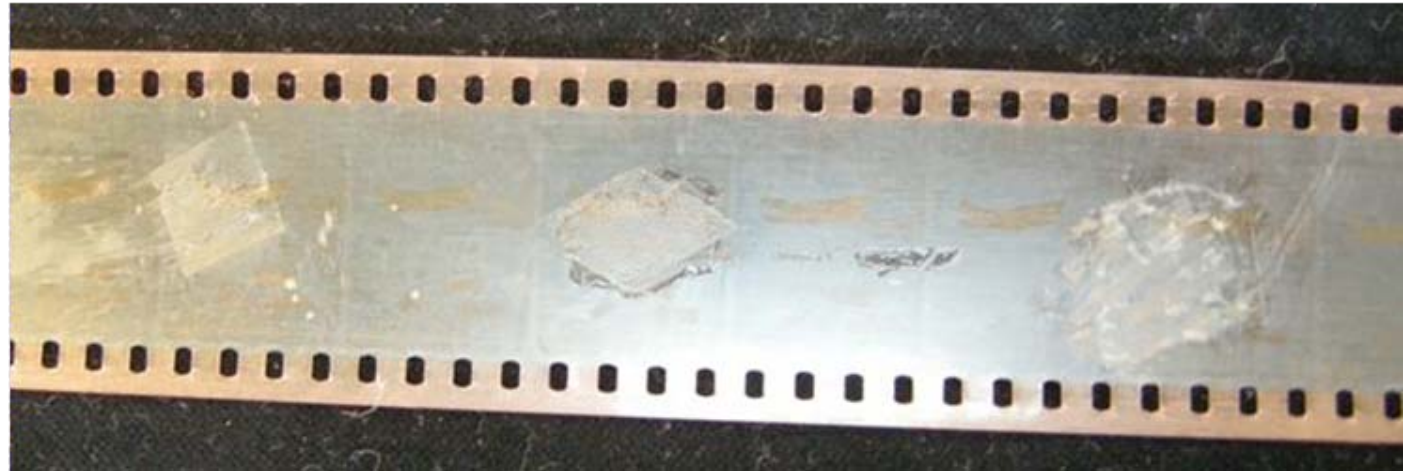
PHISYCAL DAMAGE



Tearing, scratching, emulsion damage, blemishes

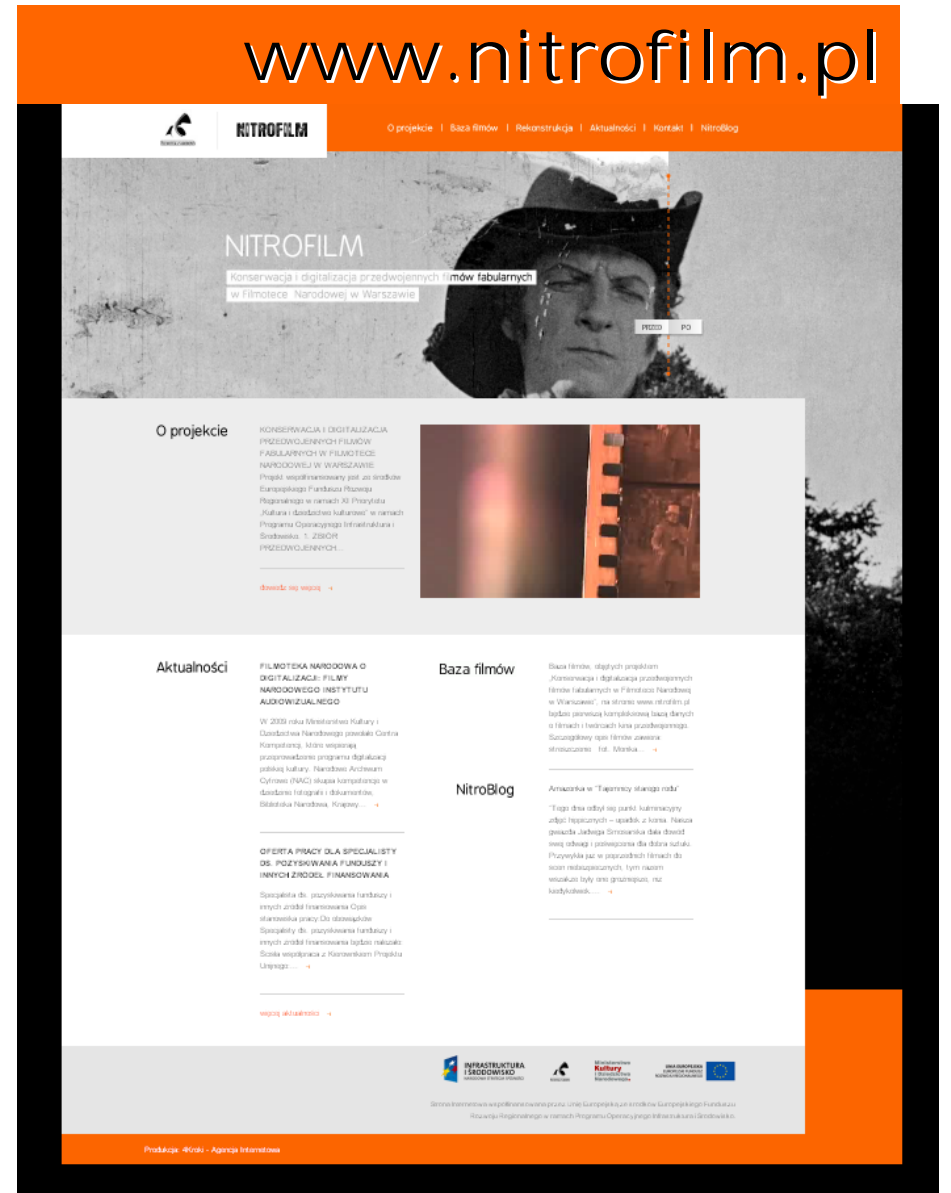
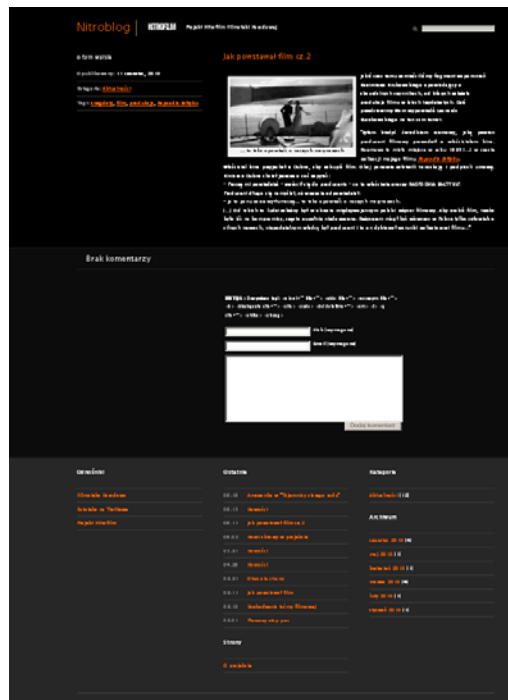
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PHISYCAL DAMAGE AND SHRINKAGE

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www.fn.org.pl