DIGITIZATION AND PRESERVATION IN THE DIGITAL WORLD OF VARIOUS AUDIOVISUAL COLLECTIONS AT THE NFB

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BACKGROUND

THE NFB IS A PUBLIC PRODUCER AND DISTRIBUTOR OF AUDIOVISUAL WORKS.

- Established in 1939
- Over 14,000 productions, including 200 in development every year
- 13 studios in 9 Canadian cities
- Mainly documentaries, animations and interactive projects
- 75 Oscar® nominations and more than 5,000 awards



Inventory

Works

- 14,000 linear items (10,000 in film format, 3,000 in video format and 1,000 in born-digital format)
- 100 interactive Web productions

Stock shots

4,000 hours or 60,000 shots

Music and sound effects

20,000 effects and 6,000 music master tapes

Photos

500,000 elements



Digitization and preservation plan

To date, we have digitized all <u>active collection works</u> (or 60% of total works) to meet the NFB's day-to-day accessibility requests.

We have processed 8,000 titles, broken down as follows:

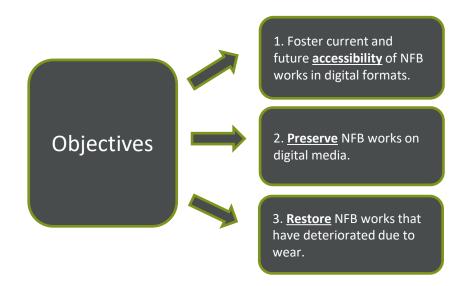
- 1,500 titles in 35 mm
- 4,000 titles in 16 mm
- 1,500 titles in (SD or HD) video
- 1,000 born-digital titles

We are currently working on a solution for <u>interactive works</u> to preserve the assets and retain the experience.



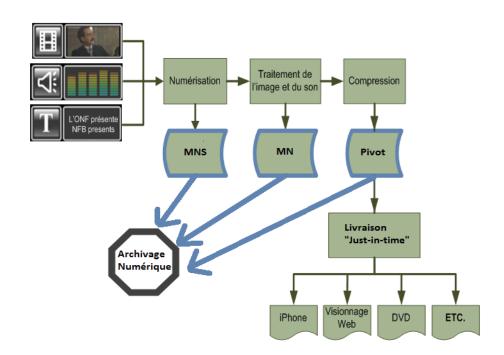
Digitization and preservation plan

In 2008, the NFB began implementing an extensive digitization and preservation plan.



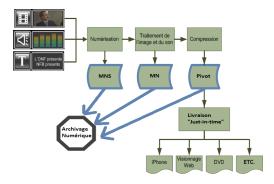


Key steps





Key steps



The **Digital Source Master (DSM)** is synonymous with **longevity** in that it digitally preserves the best available source for each element of a work, in all its technical and artistic integrity.

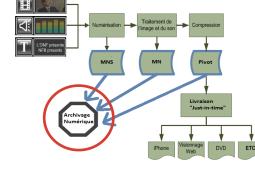
The **Digital Master (DM)** is synonymous with **reproduction** as it relates to current display technologies.

The **Mezzanine** is synonymous with **just-in-time accessibility** and offers everyday flexibility for quick delivery on a large number of digital platforms.



Digital archiving





Gouvernement Government du Canada of Canada

Rechercher dans Canada.ca

Q

MENU 🕶

Accueil > Office national du film

Atempo et l'Office National du Film du Canada annoncent le renouvellement de leur collaboration pour 10 ans.

De: Office national du film

Communiqué de presse

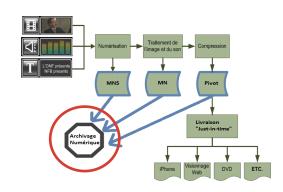
Paris, le 3 avril 2019 - <u>Atempo</u> et l'<u>Office National du Film du Canada</u> (ONF) annoncent le renouvellement de leur collaboration pour les dix prochaines années à l'occasion du National Association of Broadcasters (ou NAB Show) du 8 au 11 avril à Las Vegas, Etats-Unis.



Digital archiving







Four golden rules:

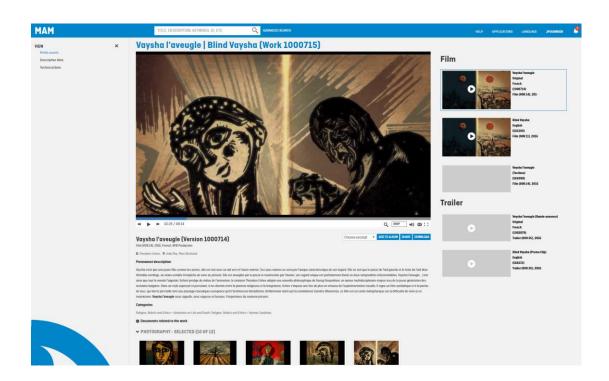
- 1. Continuous data integrity checks.
- 2. Ensuring that file formats are readable in the long term.
- 3. Monitoring to address hardware obsolescence of digital recording media.
- 4. Production of double digital copies on two different types of media (technological redundancy), stored in different geographic locations.





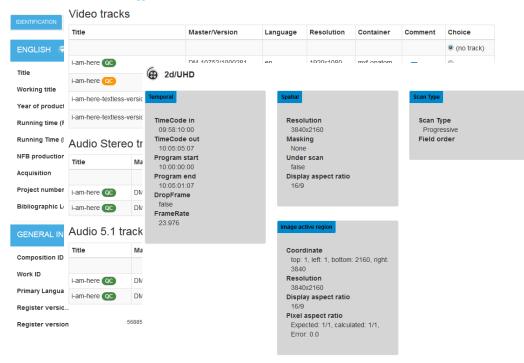








I AM HERE WORK ID: 1000282 🌦



Color Encoding

Chroma Format 4:2:2 Chroma Encoding YUV Bit Depth 10

Code Range

Head

MAM – AI-based cataloguing

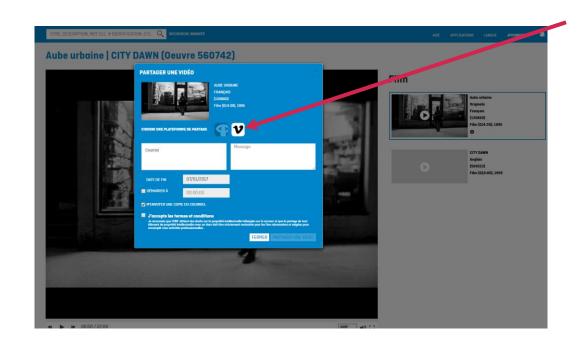




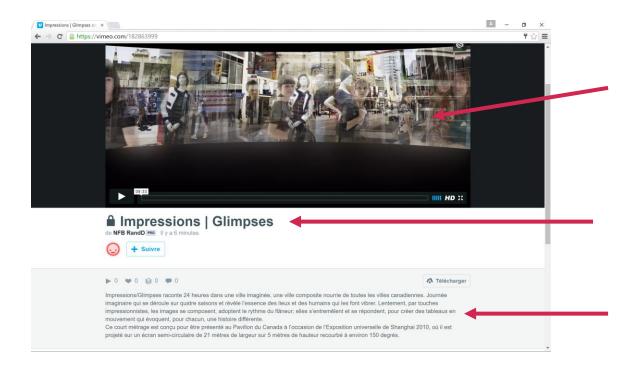
MAM – Al-based cataloguing



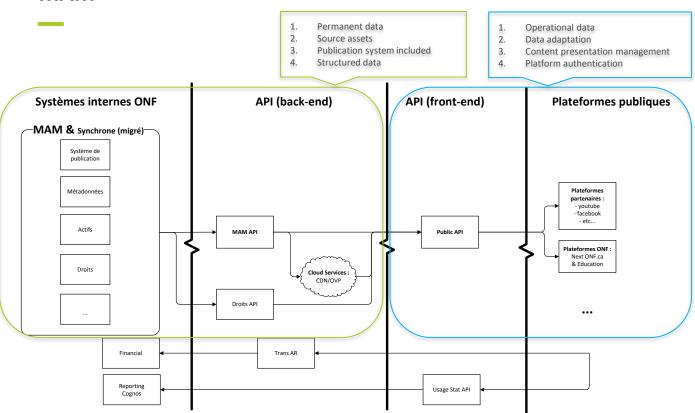














PARTAGES EXTERNES

Partages uniques Liste d'albums

this river | cette rivière (Oeuvre 1001914)



Film



this river Originale (1001913) Film (019:26), 2016



cette rivière Français (Doublé) (568677) Film (019:26), 2016

Bande-annonce



cette rivière (Bande-annonce) (1014505) Bande-annonce (001:00), 2016



▼ AJOUTER À UN ALBUM PARTAGER TÉLÉCHARGER Gérer publications





this river (Promo Clip) Bande-annonce (001:00), 2016

R. Erika MacPherson; Katherena Vermette; P. Alicia Smith; David Christensen;

this river (Version 1001913)

Film (019:26), 2016, Anglais, Production ONF, 12501001913

Description permanente

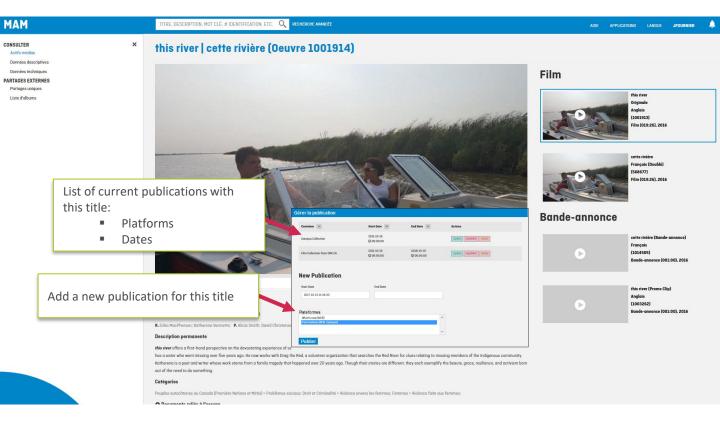
this river offers a first-hand perspective on the devastating experience of searching for a loved one who has disappeared. Kyle Kematch and Katherena Vermette have both experienced this hearthreak. Kyle has a sister who went missing over five years ago. He now works with Drag the Red, a volunteer organization that searches the Red River for clues relating to missing members of the Indigenous community. Katherena is a poet and writer whose work stems from a family tragedy that happened over 20 years ago. Though their stories are different, they each exemplify the beauty, grace, resilience, and activism born out of the need to do something.

Choisir un extrait

Catégories

Peuples autochtones au Canada (Première Nations et Métis) > Problèmes sociaux; Droit et Criminalité > Violence envers les femmes; Femmes > Violence faite aux femmes;

↑ Documente reliée à l'acurre





RECHERCHE

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FILMS DOCUMENTAIRE

ANIMATION

INTERACTIF ÉDUCATION

CONNEXION





Cette rivière

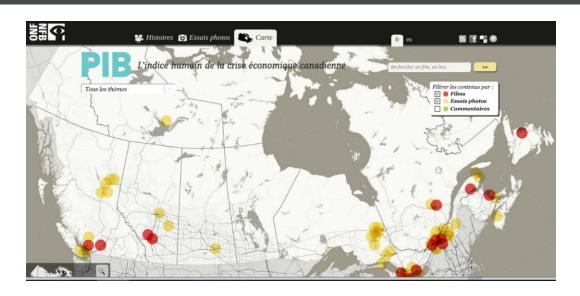


TÉLÉCHARGER

Ce court métrage documentaire expose sous un angle très personnel l'insoutenable déchirement que représente la recherche d'un être cher porté disparu. Kyle Kematch et Katherena Vermette

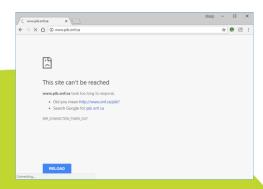


Interactive productions: Archiving the experience



CONTEXT







Interactive productions: Archiving the experience



SIP: WARC file grab by Webrecorder (Rhizome)

Webrecorder

Web Archiving for All.

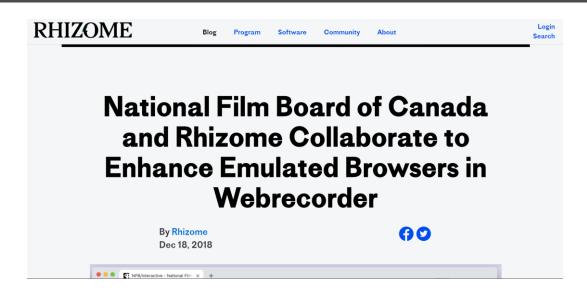
A project by **RHIZOME**

AIP: Archived using Atempo Digital Archive with all rules to ensure long term access

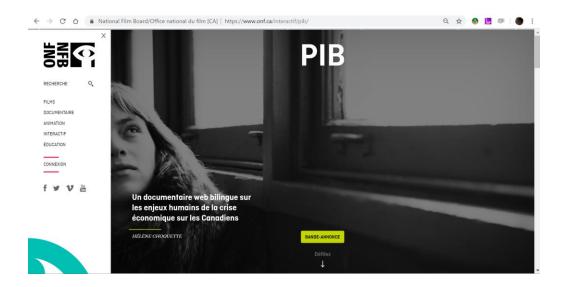
DIP: WARC with live index and playback with Webrecorder Player (Rhizome) in NFB infrastructure

Development Collaboration between NFB and Rhizome

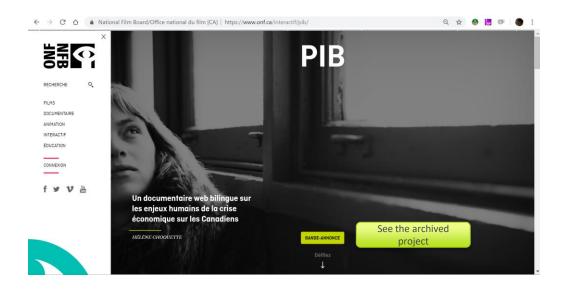
Interactive productions: Archiving the experience



Web archive available to our public



Web archive available to our public



Web archives: Other options

- nfb.ca website
- nfb.gc.ca government website
- NFB social media accounts (Twitter, Facebook, Instagram)
- etc.

THANK YOU

