
Imperial Extractivist Infrastructures: Petrocultural Violence and Resistance in Contemporary Indigenous Literature, Art, and Film

A Data Management Plan created using DMPonline.be

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Project abstract:

This proposed project, entitled "Imperial Extractivist Infrastructures", will offer the first in-depth study of literary and artistic Indigenous (American, Canadian, and Australian) responses to settler- colonial extractivism from three carefully chosen sites; namely the coal and uranium mines in the Navajo Nation (USA), the Athabasca tar sands (Canada), and the Adani Carmichael coal mining site in Queensland (Australia). The impact of fossil fuel extraction has been a key concern in the field of the energy humanities, and this project will break new ground in assessing that impact in the cultural production of demographics directly exposed to extractivist violence.

This project aims to document the understudied concomitant contemporary cultural and aesthetic Indigenous responses of trauma and resistance that the violence of extractivism has evoked in Indigenous communities. Through an examination of contemporary Indigenous creative materials, this project will contribute a new critical perspective to crucial conversations of extractivist violence and environmental justice, in order to expand ongoing discussions of extractivism, settler colonialism, and Indigenous rights and futures. This project is original in its exploration of environmental (and thus racial and social) justice, trauma, and resistance as expressed in Indigenous cultural production which addresses petrocultural infrastructural violences.

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Application DMP

Questionnaire

Describe the datatypes (surveys, sequences, manuscripts, objects ...) the research will collect and/or generate and /or (re)use. (use up to 700 characters)

The main data types for this research will consist of collecting—where possible—(digital) copies of Indigenous cultural artefacts relevant to the project's objectives, academic articles and books (in digital form wherever possible), other types of electronic articles, films, and visual artworks. Data that will be generated consists of digital notes and annotations, article manuscripts, bibliographic metadata, and recordings of audio(-visual) interviews with Indigenous scholars, activists, and artists.

Specify in which way the following provisions are in place in order to preserve the data during and at least 5 years after the end of the research? Motivate your answer. (use up to 700 characters)

During the project, I will function as the responsible person for data preservation. The data will be stored on KUL's OneDrive for Business storage, which has a capacity of 2TB. The OneDrive is secured by 2FA, which makes it suitable for preserving sensitive data. Throughout, data will be shared on KUL's new open repository 'RDR'.

Professor Pieter Vermeulen will be the responsible person to ensure preservation of the data after the end of the project, but I will ensure that everything will be in place for the preservation. The data will be transferred to KUL's 'Archive storage' which has a standard preservation time of 10 years, in addition to the open publication of the data to RDR.

What's the reason why you wish to deviate from the principle of preservation of data and of the minimum preservation term of 5 years? (max. 700 characters)

I will only deviate from the minimum preservation term of five years when that would be necessary to respect ethical and privacy laws regarding sensitive, personal data.

Are there issues concerning research data indicated in the ethics questionnaire of this application form? Which specific security measures do those data require? (use up to 700 characters)

The qualitative interviews with Indigenous peoples (artists, scholars, writers) may contain sensitive personal data. Participants will always be given the option for the interviews not to be published or anonymised, and will be given an 'informed consent form' which I will draw up in collaboration with KUL's relevant ethical committee(s) and experts. The project will ensure and respect GDPR regulations and laws in the handling of sensitive personal data and personal data will never be transferred to third countries—I will follow any and all recommendations from KUL's ethical committee and experts in this respect.

Which other issues related to the data management are relevant to mention? (use up to 700 characters)

The project will adopt the FAIR (Findable, Accessible, Interoperable and Re-usable data) open science principles as much as possible. When it comes to disseminating results, both academic and otherwise, I will make a strong commitment to publish either in open access journals or make arrangement for my articles to be published as open access. When looking for a publisher for my monograph, I will seek out those with open access policies. My other outputs, such as blog posts and podcasts, will be made free and publicly available to everyone by default.

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DPIA

DPIA

Have you performed a DPIA for the personal data processing activities for this project?

- Not applicable

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GDPR

GDPR

Have you registered personal data processing activities for this project?

- Not applicable

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FWO DMP (Flemish Standard DMP)

1. Research Data Summary

List and describe all datasets or research materials that you plan to generate/collect or reuse during your research project. For each dataset or data type (observational, experimental etc.), provide a short name & description (sufficient for yourself to know what data it is about), indicate whether the data are newly generated/collected or reused, digital or physical, also indicate the type of the data (the kind of content), its technical format (file extension), and an estimate of the upper limit of the volume of the data.

				Only for digital data	Only for digital data	Only for digital data	Only for physical data
Dataset Name	Description	New or reused	Digital or Physical	Digital Data Type	Digital Data format	Digital data volume (MB/GB/TB)	Physical volume
		<i>Please choose from the following options:</i> <ul style="list-style-type: none"> Generate new data Reuse existing data 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> Digital Physical 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> Observational Experimental Compiled/aggregated data Simulation data Software Other NA 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> .por, .xml, .tab, .cvs, .pdf, .txt, .rtf, .dwg, .gml, ... NA 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> <100MB <1GB <100GB <1TB <5TB <10TB <50TB >50TB NA 	
Fiction	Novels	Reuse existing data	Digital and physical	NA	.pdf, .epub	<1GB	Books
Research	Journal articles, academic books	Reuse existing data	Digital and physical	NA	.pdf, .epub	<50GB	Books, journals
Cinema	Films	Reuse existing data	Digital and physical	NA	.mov, .mkv, .mp4, .avi, etc. (common film formats)	<100GB	DVD/Blu-Ray media
Interviews	Video/audio interviews	Generate new data	Digital	Observational	.wav, .aiff, .flac, .mp4, .aac, Apple ProRes (all versions) Apple ProRes RAW and Apple ProRes RAW HQ	<1TB	NA

If you reuse existing data, please specify the source, preferably by using a persistent identifier (e.g. DOI, Handle, URL etc.) per dataset or data type:

Dataset	Source
Research: journal articles + academic books	University Library and online repositories, journal websites
Fiction: novels	University Library
Cinema: films	University Library

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? Describe these issues in the comment section. Please refer to specific datasets or data types when appropriate.

- Yes, human subject data

The qualitative interviews with Indigenous peoples (artists, scholars, writers) may contain sensitive personal data. Participants will always be given the option for the interviews not to be published or anonymized and will be given an 'informed consent form' which I will draw up in collaboration with KUL's relevant ethical committee(s) and experts. The project will ensure and respect GDPR regulations and laws in the handling of sensitive personal data and personal data will never be transferred to third countries—I will follow any and all recommendations from KUL's ethical committee and experts in this respect.

Will you process personal data? If so, briefly describe the kind of personal data you will use in the comment section. Please refer to specific datasets or data types when appropriate.

- Yes

Participant's data will be anonymised if they so request. If not, the following data will be collected:

- Name and surname
- Location/address
- Occupation
- Indigenous nation/group they identify with

Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-offs, commercial exploitation, ...)? If so, please comment per dataset or data type where appropriate.

- No

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material/Data transfer agreements/ research collaboration agreements)? If so, please explain in the comment section to what data they relate and what restrictions are in place.

- No

Are there any other legal issues, such as intellectual property rights and ownership, to be managed related to the data you (re)use? If so, please explain in the comment section to what data they relate and which restrictions will be asserted.

- No

2. Documentation and Metadata

Clearly describe what approach will be followed to capture the accompanying information necessary to keep data understandable and usable, for yourself and others, now and in the future (e.g., in terms of documentation levels and types required, procedures used, Electronic Lab Notebooks, README.txt files, Codebook.tsv etc. where this information is recorded).

The main data types for this research will consist of collecting—where possible—(digital) copies of Indigenous cultural artefacts relevant to the project's objectives, academic articles and books (in digital form wherever possible), other types of electronic articles, films, and visual artworks. Data that will be generated consists of digital notes and annotations, article manuscripts, bibliographic metadata, and recordings of audio(-visual) interviews with Indigenous scholars, activists, and artists.

Data will be made understandable and usable by adding metadata through EndNote for all collected entries. Any research conducted will be saved in easily accessible formats, such as .docx, .pdf, and .mp4. Data shared in KUL's RDR repository will include accessible metadata and be open for reuse by others.

Research output will adhere to the FAIR principles for open-access publishing as much as possible.

Will a metadata standard be used to make it easier to find and reuse the data? If so, please specify (where appropriate per dataset or data type) which metadata standard will be used. If not, please specify (where appropriate per dataset or data type) which metadata will be created to make the data easier to find and reuse.

- No

A metadata standard is not applicable here. Metadata for open-access materials will be generated on a per-need basis. Other metadata will be collected in the EndNote reference software program, where it can be exported (if needed) to accessible metadata formats.

3. Data storage & back-up during the research project

Where will the data be stored?

The data will be stored on KUL's OneDrive for Business storage, which has a capacity of 2TB. The OneDrive is secured by 2FA, which makes it suitable for preserving sensitive data. Throughout, data will be shared on KUL's new open repository 'RDR'.

How will the data be backed up?

Data will be regularly backed up on physical encrypted hard drives in the form of TimeMachine backups and online on KUL's OneDrive storage system.

Professor Pieter Vermeulen will be the responsible person to ensure the preservation of the data after the end of the project, but I will ensure that everything will be in place for the preservation. The data will be transferred to KUL's 'Archive storage' which has a standard preservation time of 10 years, in addition to the open publication of the data to RDR.

Is there currently sufficient storage & backup capacity during the project? If yes, specify concisely. If no or insufficient storage or backup capacities are available, then explain how this will be taken care of.

- Yes

I do not anticipate needing more than 2TB of storage for the project—KUL's OneDrive has more than sufficient space to save all my data.

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

KUL's OneDrive for Business is suitable for strictly confidential data, as long as multifactor authentication with the KU Leuven Authenticator app is activated (which has been activated).

What are the expected costs for data storage and backup during the research project? How will these costs be covered?

OneDrive is free for staff and students of KU Leuven

4. Data preservation after the end of the research project

Which data will be retained for at least five years (or longer, in agreement with other retention policies that are applicable) after the end of the project? In case some data cannot be preserved, clearly state the reasons for this (e.g. legal or contractual restrictions, storage/budget issues, institutional policies...).

All of the research outputs (journal articles, blog posts, podcasts,) will be preserved after the end of the project. Other collected data, such as research materials, novels, films, and other cultural artifacts, are either already preserved through either online or physical access at the university library or at other higher education institutions. Not all of the interviews may be preserved; this will be depending on the participant's consent regarding how the data can be used and/or shared.

Where will these data be archived (stored and curated for the long-term)?

Professor Pieter Vermeulen will be the responsible person to ensure the preservation of the data after the end of the project, but I will ensure that everything will be in place for the preservation. The data will be transferred to KUL's 'Archive storage' which has a standard preservation time of 10 years, in addition to the open publication of all shareable data to KUL's RDR repository.

What are the expected costs for data preservation during the expected retention period? How will these costs be covered?

Preservation of smaller datasets in data repositories is usually free of charge.

5. Data sharing and reuse

Will the data (or part of the data) be made available for reuse after/during the project? In the comment section please explain per dataset or data type which data will be made available.

- Yes, in an Open Access repository
- Yes, in a restricted access repository (after approval, institutional access only, ...)

The interview may be shared in open/restricted access repositories; again, this depends on the participants' consent.

The project will adopt the FAIR (Findable, Accessible, Interoperable and Re-usable data) open science principles as much as possible. When it comes to disseminating results, both academic and otherwise, I will make a strong commitment to publish either in open-access journals or make arrangements for my articles to be published as open-access. When looking for a publisher for my monograph, I will seek out those with open-access policies. My other outputs, such as blog posts and podcasts, will be made free and publicly available to everyone by default.

If access is restricted, please specify who will be able to access the data and under what conditions.

N/A

Are there any factors that restrict or prevent the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)? Please explain in the comment section per dataset or data type where appropriate.

- Yes, Privacy aspects
- Yes, Ethical aspects

Sharing of the interviews may be restricted due to GDPR regulations and the participants' consent.

Where will the data be made available? If already known, please provide a repository per dataset or data type.

There are no real dedicated repositories for sharing work of this kind, so KU Leuven's RDR repository will be used.

When will the data be made available?

As soon as possible; upon publication or research results.

Which data usage licenses are you going to provide? If none, please explain why.

Data licensing will be heavily dependent on circumstances of publication; most likely, they will include the following:

- CC-BY-SA-4.0
- CC-BY-ND-4.0
- CC-BY-NC-4.0
- CC-BY-NC-ND-4.0
- CC-BY-NC-SA-4.0

Do you intend to add a PID/DOI/accession number to your dataset(s)? If already available, you have the option to provide it in the comment section.

- Yes

DOI's will be used wherever possible.

What are the expected costs for data sharing? How will these costs be covered?

Deposition of smaller datasets in data repositories is usually covered by the repository and for sharing physical data the cost are typically paid by the researcher requesting the materials.

6. Responsibilities

Who will manage data documentation and metadata during the research project?

Dr Reuben Martens (me)

Who will manage data storage and backup during the research project?

Dr Reuben Martens (me)

Who will manage data preservation and sharing?

Dr Reuben Martens (me) and Professor Pieter Vermeulen

Who will update and implement this DMP?

Dr Reuben Martens (me)