
Plan Overview

A Data Management Plan created using DMPonline.be

Title: KU Leuven BOF C2 internal funding project C2M/24/006

Creator: Johan Eyckmans

Affiliation: KU Leuven (KUL)

Template: KU Leuven BOF-IOF

Project abstract:

The Belgian textile value chain is economically significant and still firmly rooted in the linear economy. The 2022 EU Strategy for Sustainable and Circular Textiles set out an ambitious vision for the urgent transition of this highly polluting value chain. This project first maps the economic significance and environmental impacts of the Belgian textile value chain. Second, it analyses the forthcoming EU ecodesign requirements for sustainable textile products, the corporate sustainability due diligence requirements for companies in the sector and the extended producer responsibility for producers of textile products. Third, quantitative estimates of the effect of various mandatory EU regulations and voluntary initiatives on the Belgian textile value chain are made. Finally, the various regulations and initiatives are evaluated and recommendations are made for fine-tuning at either the EU and/or national level.

ID: 213741

Start date: 01-10-2024

End date: 30-09-2028

Last modified: 20-03-2025

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.

Dataset name / ID	Description	New or reuse	Digital or Physical data	Data Type	File format	Data volume	Physical volume
		Indicate: <i>N(ew data) or E(xisting data)</i>	Indicate: D(igital) or P(hysical)	Indicate: Audiovisual Images Sound Numerical Textual Model Software Other (specify)		Indicate: <1GB <100GB <1TB <5TB >5TB NA	
EUROSTAT FIGARO	FIGARO = 'Full International and Global Accounts for Research in input-Output analysis'	E	D	N	csv	<100GB	
GTAP v11	GTAP = Global Trade Analysis Project	E	D	N	csv	<100GB	

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:

EUROSTAT FIGARO: <https://ec.europa.eu/eurostat/web/esa-supply-use-input-tables/information-data#figaro>

GTAP 11: <https://www.gtap.agecon.purdue.edu/databases/v11/>

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? If so, refer to specific datasets or data types when appropriate and provide the relevant ethical approval number.

- No

Will you process personal data? If so, please refer to specific datasets or data types when appropriate and provide the KU Leuven or UZ Leuven privacy register number (G or S number).

- No

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 or 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

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).

Data manipulations will be carried out using different software tools including GAMS (General Algebraic Modeling System, www.gams.com), STATA (<https://www.stata.com/>) and specific data manipulation tools provided with the GTAP 11 database (for example GTAPagg tool for aggregation of sectors and regions).

All data manipulation will be done in batch scripts that will document all data cleaning steps and every analysis such that a knowledgeable person trained in these tools can understand how we go from the raw data to data inputs for the simulation models that will be developed during the research project.

Will a metadata standard be used to make it easier to find and reuse the data?

If so, please specify which metadata standard will be used.

If not, please specify which metadata will be created to make the data easier to find and reuse.

- No

Data Storage & Back-up during the Research Project

Where will the data be stored?

- Other (specify below)

We will use the storage solutions provided by KU Leuven FEB, in particular shared OneDrive folders on a KU Leuven-managed computers of the researchers involved in the project.

How will the data be backed up?

- Standard back-up provided by KU Leuven ICTS for my storage solution

Is there currently sufficient storage & backup capacity during the project?

If no or insufficient storage or backup capacities are available, explain how this will be taken care of.

- Yes

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

The data is stored on the secured university storage (Microsoft OneDrive). Access via KUL-managed laptops is secured via standard KU Leuven ICTS two factor authentication procedure (KU Leuven Authenticator app). The data folders will only be shared with KU Leuven researchers involved in the research project.

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

no extra costs for data storage are expected

Data Preservation after the end of the Research Project

Which data will be retained for 10 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 data will be preserved for 10 years according to KU Leuven RDM policy

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

- KU Leuven RDR

The programming code, input and output data will be stored and managed in accordance with the prevailing RDM policy of KU Leuven and FEB. For the PhD students involved in the project, standard KU Leuven FEB procedure applies. Just before the PhD defense, a FEB data repository (J drive) will be created in which research data and code will be copied. A confirmation that this folder is sealed is a necessary requirement for PhD defense in the faculty of economics and business.

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

no additional costs for data preservation during the retention period are expected

Data Sharing and Reuse

Will the data (or part of the data) be made available for reuse after/during the project?

Please explain per dataset or data type which data will be made available.

- No (closed access)

In principle the datasets will not be made available as open data. But in the framework of scientific publications in peer reviewed journals, we will make them available as supplementary material in accordance with the policy of the journal.

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

Some of the datasets can be made available as supplementary material accompanying publications in peer reviewed journals. This is only available for researchers that have access to these journals.

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 per dataset or data type where appropriate.

- Yes, intellectual property rights

Parts of the raw data are freely available (Eurostat FIGARO).

Other parts of the data (GTAP 11) are available behind a paywall because they are intellectual property right of GTAP and Purdue University.

Where will the data be made available?

If already known, please provide a repository per dataset or data type.

- Other (specify below)
- KU Leuven RDR (Research Data Repository)

see higher, via scientific journals

When will the data be made available?

- Upon publication of research results

Which data usage licenses are you going to provide?

If none, please explain why.

- CC-BY 4.0 (data)

Only the dataset for replication purposes (with the accompanying code) will be shared.

Do you intend to add a persistent identifier (PID) to your dataset(s), e.g. a DOI or accession number? If already available, please provide it here.

- No

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

no additional costs for data sharing are expected

Responsibilities

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

Johan Eyckmans

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

Johan Eyckmans

Who will manage data preservation and sharing?

Johan Eyckmans

Who will update and implement this DMP?

Johan Eyckmans