
Green Transition Attitudes: Social Risks and Deservingness in times of climate change (GreTA)

A Data Management Plan created using DMPonline.be

Creators: Adeline Otto, n.n. n.n.

Affiliation: KU Leuven (KUL)

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Principal Investigator: n.n. n.n.

Data Manager: Adeline Otto

Project Administrator: Adeline Otto

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Project abstract:

Transformative decarbonisation action towards a 'net zero transition' (NZT) is essential to prevent worst climate changes. However, this and climate change itself may exacerbate social risks, especially for disadvantaged people and regions. Providing sustainable welfare – i.e. balancing human needs and environmental limits – adds to existing pressure on welfare states. In this context, new social conflicts and cleavages could develop, requiring a revision of current deservingness theory. The 'GreTA' project addresses this issue and seeks to create knowledge about how social risks related to climate change and NZT are framed in media and perceived by different social groups and individuals. It also wants to help understand what makes people perceive different beneficiaries of public support addressing these risks as more or less deserving, and how such perceptions are justified. The research will be conducted in three European countries – Belgium, Germany, and Slovenia – which share equity as fundamental redistribution principle in their welfare systems. It is assumed that this principle also prevails in welfare policies addressing social risks related to climate chance and NZT and leads to similar media framings and public opinions across the three cases. However, we also expect to find divergence due to different structural conditions and context-specific NZT pathways. The ultimate aim is to know what makes certain policies more acceptable and hence more effective.

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Green Transition Attitudes: Social Risks and Deservingness in times of climate change (GreTA) 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)

Dataset Name	Description	New or Reused	Digital or Physical	Digital data type	Digital data format	Digital data volume	Physical volume
Newspaper article collection	csv and docx files of articles from 2 daily newspapers per each country studied (BE, DE, SI; covering a defined period of time)	<input type="checkbox"/> Generate new data <input checked="" type="checkbox"/> Reuse existing data	<input type="checkbox"/> Digital <input type="checkbox"/> Physical	<input type="checkbox"/> Observational <input type="checkbox"/> Experimental <input checked="" type="checkbox"/> Compiled/aggregated data <input type="checkbox"/> Simulation data <input type="checkbox"/> Software <input type="checkbox"/> Other <input type="checkbox"/> NA	<input type="checkbox"/> .por <input type="checkbox"/> .xml <input type="checkbox"/> .tab <input checked="" type="checkbox"/> .csv <input type="checkbox"/> .txt <input type="checkbox"/> .dwg <input type="checkbox"/> .tab <input type="checkbox"/> .gml <input checked="" type="checkbox"/> other: docx	<input type="checkbox"/> < 100 MB <input type="checkbox"/> < 1 GB <input checked="" type="checkbox"/> < 100 GB <input type="checkbox"/> < 1 TB <input type="checkbox"/> < 5 TB <input type="checkbox"/> < 10 TB <input type="checkbox"/> < 50 TB <input type="checkbox"/> > 50 TB <input type="checkbox"/> NA	NA
Focus Group Records	audio files of the focus groups organised in the three countries studied	<input checked="" type="checkbox"/> Generate new data	<input checked="" type="checkbox"/> Digital <input type="checkbox"/> Physical	<input checked="" type="checkbox"/> Observational	<input checked="" type="checkbox"/> other: mp3	<input checked="" type="checkbox"/> < 100 GB	NA
Focus Group Transcripts	text files with the transcripts of the focus groups organised in the three countries studied	<input checked="" type="checkbox"/> Generate new data	<input checked="" type="checkbox"/> Digital <input type="checkbox"/> Physical	<input checked="" type="checkbox"/> Observational	<input checked="" type="checkbox"/> .txt <input checked="" type="checkbox"/> other: docx	<input checked="" type="checkbox"/> < 1 GB	NA
Survey data	CSV file with all the collected survey data	<input checked="" type="checkbox"/> Generate new data	<input checked="" type="checkbox"/> Digital <input type="checkbox"/> Physical	<input checked="" type="checkbox"/> Observational	<input checked="" type="checkbox"/> .csv	<input checked="" type="checkbox"/> < 100 GB	NA

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)

1. Designation of responsible person (If already designated, please fill in his/her name.)

During the project: Dr. Adeline Otto (Postdoc at KU Leuven)

After the project: Prof. Dr. Wim Van Lancker (KU Leuven)

2. Storage capacity/repository

As KU Leuven is the leading research institution in the project, all data collected and processed during the project will be stored at a Microsoft Teams team's SharePoint site, protected by and only accessible via multifactor authentication (MFA). SharePoint is a cloud environment at O365 Tennent. All project partners outside of KU Leuven have individually been given access to this SharePoint site. KU Leuven has a huge capacity to store and back up the data generated and processed during this project.

After the research project, all data listed above is meant to be preserved in the KU Leuven Research Data Repository (RDR). <https://www.kuleuven.be/rdm/en/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)

For the media analysis in the project, newspaper articles will be retrieved from LexisNexis media database. These articles can be downloaded, exported into other software packages for further analyses, but must be deleted after the finalisation of the research. For reasons of copyright, these articles cannot be stored or shared. We will, however, generate a file containing the titles of all articles used in the research (including some meta 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 Focus Groups conducted in the framework of the project will generate some audio files. These files can be stored, but not shared (closed access) for privacy and

ethical reasons as voices might be recognised.

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

NA

Green Transition Attitudes: Social Risks and Deservingness in times of climate change (GreTA) 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
Newspaper article collection	csv and docx files of articles from 2 daily newspapers per each country studied (covering a defined period of time)	<input checked="" type="checkbox"/> Reuse existing data	Digital	<input checked="" type="checkbox"/> Compiled/aggregated data	<input checked="" type="checkbox"/> .csv <input checked="" type="checkbox"/> other: docx	<input checked="" type="checkbox"/> < 100 GB	NA
Focus Group Records	Audio files of the focus groups organised in the three participating countries	<input checked="" type="checkbox"/> Generate new data	Digital	<input checked="" type="checkbox"/> Observational data	<input checked="" type="checkbox"/> other: mp3	<input checked="" type="checkbox"/> < 100 GB	NA
Focus Group Transcripts	Text files with the transcripts of the focus groups	<input checked="" type="checkbox"/> Generate new data	Digital	<input checked="" type="checkbox"/> Observational data	<input checked="" type="checkbox"/> txt <input checked="" type="checkbox"/> other: docx	<input checked="" type="checkbox"/> < 1 GB	NA
Survey data	CSV file with all the collected survey data	<input checked="" type="checkbox"/> Generate new data	Digital	<input checked="" type="checkbox"/> Observational data	<input checked="" type="checkbox"/> csv	<input checked="" type="checkbox"/> < 100 GB	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:

newspaper articles from database LexisNexis for media analysis (exported as .csv or .docx)

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

Data will be retrieved from humans via focus groups and surveys conducted in the framework of this research.

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.

- 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/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.

- Yes

For reasons of copyrights, the newspaper articles collected for the media analysis via LexisNexis media database can be retrieved and further analysed, but they cannot be published or shared.

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).

During the project, for each dataset generated (selected articles from the media screening, focus group transcripts, focus group audios, and the survey data), a readme file will be produced. Additionally, the following documents will be generated to help make sense of the data:

- a media analysis guidance will accompany the media data developed prior to the media analysis, and a coding scheme after the selection of media has happened in line with the guidance provided;
- the focus group transcripts will be accompanied by a focus group guidance document developed prior to the focus groups and a coding scheme for their analysis;
- the survey data will be accompanied by an extensive codebook containing information on the questionnaire design, sampling and recruitment of survey respondents, the pre-testing of the survey, the questionnaires, the list of variables and the final sample distributions

The readme files and additional documents also contain metadata that can afterwards be used to feed the metadata section of the KU Leuven Research Data Repository (RDR; Radar).

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.

- Yes

A metadata file will be generated for the following datasets and documents of the project:

- Newspaper collection: data files (one for each country studied) containing all newspaper articles selected for the media analysis
- Transcript files of the focus group conducted in each country studied
- Audio files containing the records of the focus groups conducted in each country studied
- Survey dataset

To standardise the reporting of the data and prepare the inclusion of all data generated in the project for the KU Leuven Research Data Repository (RDR), the metadata standard of the RDR will be used: <https://www.kuleuven.be/rdm/en/rdr/full-metadata-model>

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

Where will the data be stored?

As KU Leuven is the leading research institution in the project, all data collected and processed during the project will be stored at a Microsoft Teams team's SharePoint site, protected by and only accessible via multifactor authentication (MFA). SharePoint is a cloud environment at O365 Tennent. All project partners outside of KU Leuven have individually been given access to this SharePoint site.

How will the data be backed up?

The data will be backed up by the standard backup provided by KU Leuven ICTS for my storage solution.

**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

KU Leuven has a huge capacity to store and back up the data generated and processed during this project.

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

KU Leuven applies multifactor authentication (MFA) to give staff members access to Teams and the related SharePoint. The MFA is linked to each staff member's personal account. Using the KU Leuven Authenticator App, the system combines the first factor (password) with a second factor (fingerprint stored on the user's verified mobile phone). Project partners outside of KU Leuven enter the SharePoint via their password-protected institutional logins.

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

Storage and backup are free of charge for KU Leuven staff and KU Leuven-based research.

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 data listed above (except for the newspaper articles retrieved from LexisNexis media database) is meant to be preserved in the KU Leuven Research Data Repository (RDR).

<https://www.kuleuven.be/rdm/en/rdr>

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

KU Leuven Research Data Repository (RDR). RDR provides KU Leuven researchers with a one-stop platform to upload, describe, and share their research data, conveniently and with support from university staff. The institutional research data repository will help researchers:

- Archive and preserve research data securely at the end of a project while publishing.
- Increase the impact of research by sharing data according to the FAIR principles. For example, RDR provides metadata fields for researchers to describe a research dataset and make it findable. RDR also assigns digital object identifiers (DOIs) to published datasets to make them easily citable.
- Open up research data to other researchers and users, legally and in a controlled manner.
- Comply with funder or institutional requirements regarding research data. For example, if you have a BOF/IOF or FWO grant, deposit and publish research data on RDR to comply with funder mandates on reporting metadata about research data.

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

RDR is free of charge for KU Leuven staff and KU Leuven-based research.

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.

- Other, please specify:
 - A file containing the titles of all the newspaper articles (and relevant meta data) selected for the countries studied: embargoed access that will turn into open access after the completion of the project
 - Transcript files of the focus group conducted in each country studied: embargoed access that will become open access two years after the project's end to allow for academic publication of the data.
 - Audio files containing the records of the focus groups conducted in each country studied: closed access for reasons of confidentiality
 - Survey dataset: embargoed access turning into open access upon publication of the results
 - Additionally, all accompanying documents (media analysis guidelines, focus group guidelines, and survey codebook) will be made available open access upon

the project's completion and publication of results.

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

see above

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, Intellectual Property Rights
- Yes, Ethical aspects

Newspaper articles from media analysis cannot be shared openly for reasons of intellectual property rights. Furthermore, the FG's audio files are not shared (closed access) for ethical reasons as voices might be recognised.

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

KU Leuven Research Data Repository (RDR) is used for all research data for the project.

When will the data be made available?

During the project as well as upon publication of the results. See the list on the sharing access of data generated in the framework of the project.

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

Newspaper collection - data files (one for each country studied) containing all newspaper articles selected for the media analysis	NA
Data file containing the titles of all the newspaper articles selected for the countries studied	CC BY-NC-ND
Transcript files of the focus group conducted in each country studied	CC BY-NC-ND
Audio files containing the records of the focus groups conducted in each country studied	NA
Survey dataset	CC BY-NC-ND

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

- Yes

This will be automatically generated for each datafile uploaded to the KU Leuven RDR.

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

None. RDR is free of charge for KU Leuven staff and KU Leuven-based research.

6. Responsibilities

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

Dr. Adeline Otto (senior researcher)

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

Dr. Adeline Otto

Who will manage data preservation and sharing?

Dr. Adeline Otto and Prof. Wim Van Lancker

Who will update and implement this DMP?

Dr. Adeline Otto