FWO DMP Template - Flemish Standard Data Management Plan

Project supervisors (from application round 2018 onwards) and fellows (from application round 2020 onwards) will, upon being awarded their project or fellowship, be invited to develop their answers to the data management related questions into a DMP. The FWO expects a **completed DMP no later than 6 months after the official start date** of the project or fellowship. The DMP should not be submitted to FWO but to the research co-ordination office of the host institute; FWO may request the DMP in a random check.

At the end of the project, the **final version of the DMP** has to be added to the final report of the project; this should be submitted to FWO by the supervisor-spokesperson through FWO's e-portal. This DMP may of course have been updated since its first version. The DMP is an element in the final evaluation of the project by the relevant expert panel. Both the DMP submitted within the first 6 months after the start date and the final DMP may use this template.

The DMP template used by the Research Foundation Flanders (FWO) corresponds with the Flemish Standard Data Management Plan. This Flemish Standard DMP was developed by the Flemish Research Data Network (FRDN) Task Force DMP which comprises representatives of all Flemish funders and research institutions. This is a standardized DMP template based on the previous FWO template that contains the core requirements for data management planning. To increase understanding and facilitate completion of the DMP, a standardized **glossary** of definitions and abbreviations is available via the following link.

1. General Project Information	
Name Grant Holder & ORCID	Rik Ouwerkerk (https://orcid.org/0000-0002-0845-5726)
Contributor name(s) (+ ORCID) & roles	Ernst Wolff (http://orcid.org/0000-0003-1203-0664) - Supervisor
Project number[1] & title	- Precarious critique: demarcating a socially engaged critical theory
Funder(s) GrantID[2]	1111723N
Affiliation(s)	☒ KU Leuven ☐ Universiteit Antwerpen ☐ Universiteit Gent ☐ Universiteit Hasselt ☐ Vrije Universiteit Brussel ☐ Other: Provide ROR[3] identifier when possible:
Please provide a short project description	My project has two broad aims, which are necessarily intertwined. The more descriptive-analytical dimension is a phenomenological and action-theoretical analysis of critique as a core human capability which is inherently precarious. This analysis will highlight forms of critical inhibitions and forms of theoretical assistance which these precarities indicate. More normatively, I will both establish *why* and *how* critical theory should take those dimensions of possible assistance as yardstick for doing critical theory *well*. That is to say: the first step of the project will be to outline what critical theory's social engagement is, and why it is necessary for such an engagement to understand critique as an everyday social practice. In a final step – after the more analytical dimension of the project has been developed – I will return to this question of engagement and outline the forms of assistance critical theory *can* and *should* provide.

[1] "Project number" refers to the institutional project number. This question is optional since not every institution has an internal project number different from the GrantID. Applicants can only provide one project number.

[2] Funder(s) GrantID refers to the number of the DMP at the funder(s), here one can specify multiple GrantIDs if multiple funding sources were used.

[3] Research Organization Registry Community. https://ror.org/

2. 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[4].

				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
Literature notes	The notes taken when reading articles/books	☒ Generate new data ☐ Reuse existing data	☒ Digital ☐ Physical	☐ Observational ☐ Experimental ☐ Compiled/ aggregated data ☐ Simulation data ☐ Software ☒ Other ☐ NA	☐ .por ☐ .xml ☐ .tab ☐ .csv ☐ .pdf ☐ .txt ☐ .rtf ☐ .dwg ☐ .tab ☐ .gml ☒ other: docx ☐ NA	☒ < 100 MB ☐ < 1 GB ☐ < 100 GB ☐ < 1 TB ☐ < 5 TB ☐ < 10 TB ☐ < 50 TB ☐ > 50 TB ☐ NA	
PhD-chapters in progress, draft documents, drafts of articles,	Various original texts which are not publicly available	☒ Generate new data ☐ Reuse existing data	☒ Digital ☐ Physical	☐ Observational ☐ Experimental ☐ Compiled/ aggregated data ☐ Simulation data	☐ .por ☐ .xml ☐ .tab ☐ .csv ☐ .pdf ☐ .txt	☒ < 100 MB ☐ < 1 GB ☐ < 100 GB ☐ < 1 TB ☐ < 5 TB ☐ < 10 TB	

[4] Add rows for each dataset you want to describe.

conference presentations				☐ Software ☒ Other ☐ NA	☐ .rtf ☐ .dwg ☐ .tab ☐ .gml ☒ other: docx ☐ NA	☐ < 50 TB ☐ > 50 TB ☐ NA	
Final journal articles, book chapters and the final thesis	Polished and publicly available documents	☒ Generate new data ☐ Reuse existing data	☒ Digital ☐ Physical	☐ Observational ☐ Experimental ☐ Compiled/ aggregated data ☐ Simulation data ☐ Software ☒ Other ☐ NA	☐ .por ☐ .xml ☐ .tab ☐ .csv ☒ .pdf ☐ .txt ☐ .rtf ☐ .dwg ☐ .tab ☐ .gml ☐ other: ☐ NA	☐ < 100 MB ☒ < 1 GB ☐ < 100 GB ☐ < 1 TB ☐ < 5 TB ☐ < 10 TB ☐ < 50 TB ☐ > 50 TB ☐ NA	
Bibliographical data and reading lists	Backups of bibliographical information managed in Zotero	☒ Generate new data ☐ Reuse existing data	☒ Digital ☐ Physical	☐ Observational ☐ Experimental ☐ Compiled/ aggregated data ☐ Simulation data ☐ Software ☒ Other ☐ NA	☐ .por ☐ .xml ☐ .tab ☐ .csv ☐ .pdf ☐ .txt ☐ .rtf ☐ .dwg ☐ .tab ☐ .gml ☒ other: rdf ☐ NA	☒ < 100 MB ☐ < 1 GB ☐ < 100 GB ☐ < 1 TB ☐ < 5 TB ☐ < 10 TB ☐ < 50 TB ☐ > 50 TB ☐ NA	

Guidance:

Data can be digital or physical (for example biobank, biological samples, …). Data type: Data are often grouped by type (observational, experimental etc.), format and/or collection/generation method.

Examples of data types: observational (e.g. survey results, sensor readings, sensory observations); experimental (e.g. microscopy, spectroscopy, chromatograms, gene sequences); compiled/aggregated data[5] (e.g. text & data mining, derived variables, 3D modelling); simulation data (e.g. climate models); software, etc.

Examples of data formats: tabular data (.por,. spss, structured text or mark-up file XML, .tab, .csv), textual data (.rtf, .xml, .txt), geospatial data (.dwg,. GML, ..), image data, audio data, video data, documentation & computational script.

digital data volume: Please estimate the upper limit of the volume of the data per dataset or data type.

physical volume: Please estimate the physical volume of the research materials (for example the number of relevant biological samples that need to be stored and preserved during the project and/or after).

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.	
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, please describe these issues further and refer to specific datasets or data types when appropriate.	☐ Yes, human subject data ☐ Yes, animal data ☐ Yes, dual use ☒ No If yes, please describe:

[5] These data are generated by combining multiple existing datasets.

Will you process personal data[6]? If so, briefly describe the kind of personal data you will use. Please refer to specific datasets or data types when appropriate. If available, add the reference to your file in your host institution's privacy register.	☐ Yes ☒ No If yes: - Short description of the kind of personal data that will be used: - Privacy Registry Reference:
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.	☐ Yes ☒ No If yes, please comment:
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 to what data they relate and what restrictions are in place.	☐ Yes ☒ No If yes, please explain:
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 to what data they relate and which restrictions will be asserted.	☐ Yes ☒ No If yes, please explain:

[6] See Glossary Flemish Standard Data Management Plan

3. 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).	**Literature notes** will be titled by reference to the author, year and title of the text, in order to maximize searchability and order. Furthermore, these documents will start out with the relevant bibliographical information. **PhD-chapters in progress, draft documents, drafts of articles and conference presentations** will be labelled as such, and will be categorized by date, chapter and thus subject. **Bibliographical data and reading lists** will include the following info: type of publication, author(s), editor(s), title, title of journal or book of publication, volume of the book or issue of the journal, the pages, the year of publication, the place of publication, the publisher, the DOI. **Final journal articles, book chapters and the final thesis** will be categorized by type and given the relevant title, including the year of publication/defence.
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. *Repositories could ask to deliver metadata in a certain format, with specified ontologies and vocabularies, i.e. standard lists with unique identifiers.*	☒ Yes ☐ No If yes, please specify (where appropriate per dataset or data type) which metadata standard will be used: If no, please specify (where appropriate per dataset or data type) which metadata will be created: See above for a full outline.

4. Data Storage & Back-up during the Research Project

Where will the data be stored?	The data will be stored on the drive of my research laptop, on my KU Leuven OneDrive account and will be frequently backed up on an external HDD which I will purchase with my bench fee.
How will the data be backed up? *What storage and backup procedures will be in place to prevent data loss? Describe the locations, storage media and procedures that will be used for storing and backing up digital and non-digital data during research.*[7] *Refer to institution-specific policies regarding backup procedures when appropriate.*	As noted, the data will be automatically and instantaneously backed up on the KU Leuven OneDrive, and backed up frequently (weekly at the minimum) on an external HDD.
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 ☐ No If yes, please specify concisely: Since I am not planning on acquiring more than a few GB's of data, almost any HDD and the KU Leuven OneDrive (where I have 2 TB of storage) will be more than sufficient for my research purposes. If no, please specify:

[7] Source: Ghent University Generic DMP Evaluation Rubric: https://osf.io/2z5g3/

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons? *Clearly describe the measures (in terms of physical security, network security, and security of computer systems and files) that will be taken to ensure that stored and transferred data are safe.* [7]	OneDrive is connected to KU Leuven's security portal, which is only accessible with a password and an additional confirmation on my personal cellphone ('KU Leuven Authenticator'). The work laptop can only be accessed with both a pin code and a password, and it is furthermore at all times safely stored in my office (which is locked when I am away) or at home. I will secure the HDD with a password as well and store it analogously to my laptop.
What are the expected costs for data storage and backup during the research project? How will these costs be covered?	KU Leuven provides the OneDrive storage to all its researchers. The laptop and HDD are bought through the bench fee, costing €748,07 for the laptop (which naturally serves various functions besides storage) and approximately €70,- for the HDD (this naturally being only a prognosis, since it has not yet been bought).

5. 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 the previously mentioned data will be retained for that period.

Where will these data be archived (stored and curated for the long-term)?	I will retain all the mentioned data on my laptop's hard drive, on the external HDD and, additionally, on a personal Google Drive and on the open access data depository Open Science Framework (osf.io). Furthermore, the thesis, book chapter(s) and journal articles will, besides the previously mentioned storage locations, also be stored in Lirias ("Leuven Institutional Repository and Information Archiving System"). For published articles, there are sometimes copyright restrictions on making them available in open access in the first 12 months. Naturally, the law will be followed in that regard.
What are the expected costs for data preservation during the expected retention period? How will these costs be covered?	There will be no additional costs, considering the purchases will have been made using the bench fee, and the fact that below 15 GB of data (and it is very unlikely the storage quantity of my research data will increase to that number), storage on Google Drive is free.

6. 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. *Note that 'available' does not necessarily mean that the data set becomes openly available, conditions for access and use may apply. Availability in this question thus entails both open & restricted access. For more information: https://wiki.surfnet.nl/display/standards/info-eu-repo/#infoeurepo-AccessRights*	☒ Yes, in an Open Access repository ☐ Yes, in a restricted access repository (after approval, institutional access only, …) ☐ No (closed access) ☐ Other, please specify: All data sets will be made available in open access, with the exception of specific articles which might not yet be legally allowed to be made available in that way. Nevertheless, even with those articles, that measure will be taken after the legal embargo period of 12 months. During that period, the access will be restricted to those who have institutional or personal access to the journal in question.
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 per dataset or data type where appropriate.	☐ Yes, privacy aspects ☒ Yes, intellectual property rights ☐ Yes, ethical aspects ☐ Yes, aspects of dual use ☐ Yes, other ☐ No If yes, please specify: See above (i.e., the only restrictions are on journal articles within the embargo period).
Where will the data be made available? If already known, please provide a repository per dataset or data type.	As stated, data will be made available through Lirias (published documents and my thesis) and OSF (everything), within the legal boundaries. Furthermore, I will make available all data upon request by email.

When will the data be made available? *This could be a specific date (dd/mm/yyyy) or an indication such as 'upon publication of research results'.*	Articles and book chapters will be made available after the embargo period, if relevant. My thesis will become available upon a successful defence (which realistically will be held towards the end of 2026 or early 2027). My other data I will make available after I finish my project, which is planned to be October 31, 2026.
Which data usage licenses are you going to provide? If none, please explain why. *A data usage license indicates whether the data can be reused or not and under what conditions. If no licence is granted, the data are in a grey zone and cannot be legally reused. Do note that you may only release data under a licence chosen by yourself if it does not already fall under another licence that might prohibit that.* *Example Answer: E.g. "Data from the project that can be shared will be made available under a Creative Commons Attribution license (CC-BY 4.0), so that users have to give credit to the original data creators."* [8]	Data from the project that can be shared will be made available under a creative commons attribution license (CC-BY 4.0), so that users have to give credit to the original data creators.
Do you intend to add a PID/DOI/accession number to your dataset(s)? If already available, please provide it here. *Indicate whether you intend to add a persistent and unique identifier in order to identify and retrieve the data.*	☐ Yes ☒ No If yes:

[8] Source: Ghent University Generic DMP Evaluation Rubric: https://osf.io/2z5g3/

What are the expected costs for data sharing? How will these costs be covered?	There are no expected costs, as Lirias is a free KU Leuven service. OSF is equally free.

7. Responsibilities	
Who will manage data documentation and metadata during the research project?	Rik Ouwerkerk
Who will manage data storage and backup during the research project?	Rik Ouwerkerk
Who will manage data preservation and sharing?	Rik Ouwerkerk and Ernst Wolff
Who will update and implement this DMP?	Rik Ouwerkerk