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# Vulnerability to Online Misinformation and the Mediating Role of Supervisors in Digital Lives of Unaccompanied Minor Refugees

*A Data Management Plan created using DMPOnline.be*

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## **Project abstract:**

The global trends of digitalization and migration have heightened the significance of digital media for young refugees designated as “unaccompanied minors” in navigating forced migration; however, relying on digital media also exposes unaccompanied minors to information precarity and increased online risks. In the absence of their parents, role of supervisors in digital lives of unaccompanied minor refugees is significant. The aim of this qualitative study is to explore firstly, how unaccompanied minors interact with social media to access information and how they cope with vulnerabilities to online misinformation and fake news; secondly, to examine the role of supervisors and school teachers in their digital lives in the absence of parents; and, thirdly to investigate various characteristics that unaccompanied minors manifest in this digital landscape. I will use preexisting qualitative data and conduct secondary analyses on interview material previously collected as part of the ySKILLS project in which using convenient sampling method, thirty-five (35) interviews with young refugees aged 13-18 were conducted in Belgium during 2021-2022. Interview transcripts will be analyzed using thematic analysis. The findings will be of significant value for formulating policy recommendations and policy advices in an European context.

It is worth noting that this project is a preliminary step before conducting my Marie Curie fellowship project.

**Last modified:** 18-01-2024

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## 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
Digital engagement of unaccompanied minors	Data set of interview data	Existing data	Digital	Textual	.doc	<100 MB	
Interventions to enhance digital competencies of vulnerable groups	Data set of previously published peer reviewed original articles	Existing data	Digital	Textual Numerical	.doc .xlsx	<5 GB	

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:

In the context of "Digital engagement of unaccompanied minors", I will make use of the ySKILLS qualitative data on digital engagement of unaccompanied minors collected in Belgium as the main data collection and analysis platform. ySKILLS is financed by the European Union's Horizon 2020 Research & Innovation programme under Grant Agreement no. 870612. Youth Skills - HOME (yskills.eu)

In the context of "Interventions to enhance digital competencies of vulnerable groups", I will make use of previously published peer review original articles retrieved from bibliographical databases such as ScienceDirect, PubMed, WoS, Scopus, etc.

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.

- Yes, human subject data (Provide SMEC or EC approval number below)

In the context of "Digital engagement of unaccompanied minors", ethical approval for the ySKILLS project, including all work packages, has been obtained from SMEC, G-2019-11-1813.

In the context of "Interventions to enhance digital competencies of vulnerable groups", there is no ethical issues.

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).

Through a clear folder structure located on the One Drive, existing data and developed material will be organised in order to simplify retrieving and consulting the overall documentation. Produced material will adopt meaningful file naming starting with the date (year/month/day, e.g. 230331\_), description of its content and, when applicable, ending with the initials of the creator.

README files: data will be described according to category (archival, interviews, bibliographical, numerical) and structured according to several identifiers: title, year, location, author/ creator, file type, key words, etc.

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.

- Yes

For the qualitative data from interviews with unaccompanied minors, which will be deposited on KU Leuven RDR, DataCite will be used as a metadata standard. KU Leuven RDR is the institutional repository that helps KU Leuven researchers publish, share, cite, and preserve their research data in a findable, accessible, interoperable and reusable way.

Also, for the "Interventions to enhance digital competencies of vulnerable groups" data, a systematic literature review in accordance with PRISMA guideline will be written in E-Learning and Digital Media (<https://journals.sagepub.com/description/LDM>), in which all procedures and relevant measures in conducting the review will be outlined. This article will also contain a link to the dataset on Mendeley Data. Access to research data will be provided using Research Data Repository (RDR) of KU Leuven where digital object identifiers (DOIs) and metadata fields will be assigned to each research output to make them findable and sharable as well as using Zenodo.

## Data Storage & Back-up during the Research Project

Where will the data be stored?

- Personal network drive (I-drive)
- OneDrive (KU Leuven)
- Shared network drive (J-drive)

The data will be stored on a personal network drive, oneDrive (KU Leuven), and shared network drive at KU Leuven. For KU Leuven staff with a PC or laptop managed by ICTS or a local IT organisation, a shared network drive is provided by default. KU Leuven offers a robust platform with impressive features. With no hard limit on storage size, I can store and access extensive datasets critical for scientific work. The flexibility of collaboration both within and outside KU Leuven enhances the potential for interdisciplinary partnerships.

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

The datasets that will be generated are relatively small (all around or well below 10 GB at max), which presents no problem at all for the KU Leuven storage system.

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

Access is only possible through KU Leuven's highly secure system. The data is stored encrypted on the central storage infrastructure, ensuring that only KU Leuven staff has access to the data.

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

There are no expected costs for data storage and backup.

### **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

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

There are no expected costs for data preservation.

### **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.**

- Yes, as restricted data (upon approval, or institutional access only)

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

Only the researchers who were involved in the current project will have access to the data.

**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.**

- No

**Where will the data be made available?**

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

- KU Leuven RDR (Research Data Repository)

Data on all our publications resulting from this research will be stored in the KU Leuven repository, LIRIAS.

**When will the data be made available?**

- Upon publication of research results

Paper publications, seminars, exhibition, round tables and workshops.

**Which data usage licenses are you going to provide?**

**If none, please explain why.**

- CC-BY 4.0 (data)

**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.**

- Yes, a PID will be added upon deposit in a data repository

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

There are no expected costs for data sharing.

## **Responsibilities**

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

Tania Azadi

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

Tania Azadi

**Who will manage data preservation and sharing?**

Tania Azadi

**Who will update and implement this DMP?**

Tania Azadi