

Hoe de Schoolcontext bijdraagt aan Lage Etnische Vooroordelen onder de Volgende Generatie: Onderzoek naar de Gezamenlijke Rollen van Scholen, Leraren en Leerlingen.

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
		<i>Indicate: N(ew data) or E(xisting data)</i>	<i>Indicate: D(igital) or P(hysical)</i>	<i>Indicate: Audiovisual Images Sound Numerical Textual Model SOftware Other (specify)</i>		<i>Indicate: <1GB <100GB <1TB <5TB >5TB NA</i>	
ECDIS dataset (LLNLKRSCH.sav)	All pupil and teacher responses to the ECDIS questionnaire	Existing	Digital	Numerical + textual	SPSS datafile	<1GB	14.117KB
School without Racism dataset (name)	All pupil and teacher responses to the School without Racism dataset	Existing	Digital	Numerical + textual	SPSS datafile	<1GB	<10KB

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:

The sources will be the i) ECDIS dataset, which is collected as part of the Ethnic-Cultural Diversity in Schools project (ECDIS) in 2021 and contains answers of 3073 pupils and 816 teachers from 59 primary schools in Flanders and ii) the School without Racism dataset contains answers of 2600 pupils and 300 teachers from 10 secondary schools in Flanders. There are no dois/handles or URLs available for these datasets.

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)

For ECDIS see: G-2020-1523.

For School without Racism see: G-2020-1977

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).

- Yes (Provide PRET G-number or EC S-number below)

For ECDIS see: G-2020-1523.

For School without Racism see: G-2020-1977.
None of the personal data are directly identifiable data.

**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).

For ECDIS, a technical report already exist that describe the data and the data collection process in detail, which can be accessed via <https://osf.io/qsgcy/>. In addition, there are spss syntax files in which we transform raw data into processed data. We also have logbooks that describe the data collection phase in detail, as well as codebooks that describe each of the variables in detail, and we have readme files that signify the purpose of all files. For School without Racism, a presentation exists that describes the data collection process (<https://www.youtube.com/watch?v=lgZU70ZbQ6c>) and an excel file exists to see where all scales come from.

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

We follow the guidelines of the research unit CSCP, specifically:

1.Organisation

The practical/organizational aspects of the study. This includes submission/approval of ethics committee; information on participant recruitment (e.g. informed consent and debriefing documents, information on the recruitment strategy); funding proposals

2. Material

The material we used for our study: questionnaires, scales, focus-group interviews, back-translation etc.

This folder also includes information on the implementation of our study. .

3. Data & Analyses

- Raw data (**Do not include personally identifying data, we will put privacy-sensitive data on a separate network space, with access for only a few people**).
- Data cleaning (syntax, cleaned dataset, information on deleted participants,...)
- Data structuring
- Different steps in the analyses; these will be kept separately with all papers
- Results (tables, figures, summary of results)

Make sure that all your steps are included, so that a third party can replicate your results without further information. Always include your syntax. If syntax is not available for your program, make a document with the different steps you took.

4. Output

A folder for papers (manuscripts sent in for submission; comments reviewers; final manuscript; pdf-file of publication). We also include master theses and given presentations

Data Storage & Back-up during the Research Project

Where will the data be stored?

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

Short-term data storage will be done at OneDrive, while data will be stored at the J-drive for the longer run (i.e., after 3 to 4 years when the post-doc project is finished).

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 digital data will be stored on a safe network drive from KU Leuven (J-drive). Also, it will be stored on OneDrive linked to a KU Leuven-account. The secure data storage options provide automatic and manual back-up options for the data. This will provide sufficient storage capacity and backup capacity.

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

Secure and encrypted data storage and data sharing among researchers on the project are organized through the encrypted server space of the Center for Social and Cultural Psychology in line with data security policies and data management policies within KU Leuven.

Researchers who join the project (such as master students or interns) will sign a data user agreement stipulating the conditions for data use before they are given access to the data. The key files with contact details with names of participating schools will only be accessible to the project researchers. Please note that these are contact details of the schools that are publicly available online on the website of Department of Education; in no way these are 'persoonsgegevens'.

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

None

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)?

- Shared network drive (J-drive)

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

None

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)

Data will be shared upon request. Many journals also offer the possibility to publish the used data with the articles. We will make use of this opportunity. Researchers from other universities interested in further exploring the data can also be granted access upon signing a data-sharing agreement in which they specify their hypotheses, and in which we exclude potential misuse. To this end, Jozefien De Leersnyder uses a standard data-sharing agreement form that has been approved by the ERC ethical committee.

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

The main researcher (Roy Konings), and both professors involved in the ECDIS project (Orhan Agirdag & Jozefien De Leersnyder) will be able to access the datasets. Thesis students will also have access to the data, but only to the parts relevant to their thesis and after signing a data user agreement. Similarly, the main researchers involved in the School without Racism Project (Roy Konings & Jozefien De Leersnyder) will have access to these datasets.

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

We collect personal information about our participants which cannot be shared with others to protect the privacy of our

participants. Therefore, only affiliated researchers and project supervisors will have access to the original data. With third parties, only the anonymized quantitative dataset and/or the pseudonymized qualitative dataset will be shared.

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)

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.

- Data Transfer Agreement (restricted 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

In case a journal allows to publish parts of the data, we will make use of this option so that part of the data will have a PID.

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

None

Responsibilities

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

Roy Konings

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

Roy Konings & Jozefien De Leersnyder

Who will manage data preservation and sharing?

Jozefien De Leersnyder

Who will update and implement this DMP?

Roy Konings