Plan Overview

A Data Management Plan created using DMPonline.be

Title: Navigating Diversity: Understanding Communication and Decision-Making Processes in Religiously Heterogamous Families with Children in Belgium and Greece

Creator: Sofia Nikitaki

Affiliation: KU Leuven (KUL)

Funder: Fonds voor Wetenschappelijk Onderzoek - Research Foundation Flanders (FWO)

Template: FWO DMP (Flemish Standard DMP)

Project abstract:

This postdoctoral project investigates worldview dialogue and intrafamilial decision-making in religiously heterogamous couples composed by one religious and one nonreligious partner raising children together. It centers on mixed couples with children under 18 years old living in diverse European cultural settings, particularly Belgium (Flanders) and Greece. The primary objective of this research is to unravel the manners that mixed couples negotiate their worldview differences with each-other and make decisions regarding (non)religion-related issues on behalf of themselves and their children.

Additionally, and due to its cross-cultural dimension, the study explores and takes into account the potential contextual influences of cultural, societal, and historical factors on such communication and decision-making processes; this way further ensuring the applicability of the research insights and results into a wider European context. Adopting an inductive, qualitative approach based on Constructivist Grounded Theory and in-depth narrative interviews and drawing insights from theology, religious studies, and the study of nonreligion, the research seeks to provide insights into worldview dialogue within a (non)religiously diverse family unit.

ID: 211470

Start date: 12-11-2024

End date: 30-09-2027

Last modified: 26-03-2025

Navigating Diversity: Understanding Communication and Decision-Making Processes in Religiously Heterogamous Families with Children in Belgium and Greece

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
		Please choose from the following options: • Generate new data • Reuse existing data	*Please choose from the following options:* • Digital • Physical	*Please choose from the following options:* • Observational • Experimental • Compiled/aggregated data • Simulation data • Software • Other • NA	*Please choose from the following options:* • .por, .xml, .tab, .csv,.pdf, .txt, .rtf, .dwg, .gml, … • NA	*Please choose from the following options:* • <100MB • <1GB • <100GB • <1TB • <5TB • <10TB • <50TB • >50TB • NA	
IOQ	Interview Outline and Questions	Generate new data	Digital	Other	.docx and .pdf	<1GB	NA
AIR	Audio Interview Recordings	Generate new data	Digital	Observational	.wav and/or .mp3	<100GB	NA
PRINT	Printed Interview Transcripts for initial data analysis (between 5-7 documents)	Generate new data	Physical	Observational	NA	NA	50-100 pages
DINTR	Digital Interview Transcripts (between 30-40 documents)	Generate new data	Digital	Observational	.docx and/or .pdf	<100GB	NA
IC	Informed Consent Documents (between 30-40 documents)	Generate New Data	Digital and Physical	Observational	.docx and/or .pdf	<1GB	0-80 pages
GDPR	GDPR information documents (between 30-40 documents)	Generate New Data	Digital and Physical	Observational	.docx and/or .pdf	<1GB	0-80 pages
NVIVO	Nvivo Data Analysis File	Generate New Data	Digital	Compiled/aggregated data	.nvp	<1GB	NA
RENOT	Research Notes	Generate New Data	Physical	Observational	NA	NA	20-60 pages
PMI	Pseudonymization Matching Index	Generate New Data	Physical	Observational	NA	NA	1-3 pages
LIT	Relevant Research Literature	Reuse Existing Data	Digital and Physical	Other	.pdf	<100GB	unknown

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 data that will be reused in this research (dataset: LIT) is from existing, peer-reviewed academic literature (published books, journals, reports and theses/dissertations). These existing data are available in digital format (.html, .pdf or .docx) or in hard-copy. Since this project uses Constructivist Grounded Theory, the exact literature that will be used to reflect on the newly generated research data is still unknown. For searching for such data, I will make use of the KU Leuven Libraries' search function (Limo), Google Scholar, the ATLA Religion Database, JSTOR, and ProQuest Central.

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

This research will use the personal data of adult participants, particularly religious and nonreligious parents based in Flanders and Greece, who are engaged in the upbringing or co-parenting of their children with a (current or former) partner holding divergent (non)religious worldviews. The possible area for ethical issues is in the personal data of the interviewees (name, age, gender, education, nationality, [non]religious views, family composition, job). Some of these types of personal data will be included the consent forms and GDPR information sheets that will be given to participants (datasets: IC, GDPR), as well as the in the audio files and transcripts of the semi-structured, narrative interviews which will be conducted with them (datasets: AIR, PRINT, DINTR, NVIVO).
The informed consent and GDPR information sheet (datasets: IC, GDPR) will not be used for the analysis and will only be accessible to the researcher. Each of the recordings of the interview sessions (dataset: AIR) will de deleted the moment each transcript is complete and anonymized. Furthermore, any sensitive data contained in the interview transcripts will be either omitted from or, if necessary for retaining the context of the information intact, anonymized in the interview transcripts and analysis files (datasets: PRINT, DINTR, NVIVO).
The steps taken to protect the personal information of the research participants have been approved by the KU Leuven Social and Societal Ethics Committee (SMEC), with PRET approval number: G-2024-8495.

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.

- Yes

In this research, data processed from each participant will include a range of demographic details (age, gender, nationality, marital status), religious or nonreligious identity (religious affiliation, worldview perspective), and familial information (household structure, relationship dynamics with their partner and children). Participants are expected to provide detailed accounts of their decision-making processes regarding (non)religious rituals/rites of passage and the communication of (non)religious worldviews to their children. Due to the qualitative nature of this research and the use of a semi-structured interview format, however, the exact volume and nature of personal data that will be gathered will vary per participant.
The steps taken to protect the personal information of the research participants have been approved by the KU Leuven Social and Societal Ethics Committee (SMEC), with PRET approval number: G-2024-8495.

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.

- No

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).

To ensure the long-term understandability and usability of the dataset, both for myself and others, the project will follow a structured approach to metadata creation and documentation.

1. Metadata Standards: Dublin Core & Open Science Framework (OSF) Integration

- The dataset will be documented using the Dublin Core Metadata Standard to ensure discoverability and interoperability within the OSF project page (https://osf.io/kmued/?view_only=b520532d5f514803a897186e76be8a9a).
- When uploading the NVivo project dataset (dataset name: NVIVO, format: .nvp) and any associated materials (i.e.: IOQ dataset, example forms of informed consent and GDPR compliance) in the OSF project page, key metadata fields will be included, such as: Title (Project name), Creator (Researcher name), Subject (Relevant keywords), Description (Overview of research aims and dataset contents), Date (Date of dataset upload), Type (NVivo Project dataset), Format (.nvp), Identifier (OSF project page DOI or OSF repository link), Rights (Access conditions, licensing).

2. NVivo-Based Documentation

- All metadata and coding information, will be stored directly within the NVIVO dataset (.nvp) to maintain consistency.
- Nodes, classifications, and annotations will systematically document coding decisions, ensuring the transparency of qualitative analysis.
- Memos and internal notes will be used to capture methodological reflections and analytical justifications.

3. Data Storage and Accessibility on OSF

- The NVIVO dataset of this project alongside relevant associated materials (IOQ dataset, unsigned example forms of informed consent and GDPR compliance) will be uploaded to OSF, ensuring long-term preservation and accessibility.
- Dublin Core metadata fields will be incorporated into the OSF repository entry, making the dataset searchable and reusable by other researchers.

By embedding all the research metadata within the NVivo file and documenting it through Dublin Core on the OSF project page, the dataset will remain structured, accessible, and ethically managed while upholding pseudonymization and confidentiality standards.

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

The pseudonymized research data and analysis from this project (dataset: NVIVO, format: .nvp) will be uploaded and made accessible in the OSF project webpage, which supports the Dublin Core metadata standard. Therefore, the Dublin Core metadata fields will be included and associated with the NVIVO dataset in the project OSF page, making the data accessible and reusable.

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

Where will the data be stored?

Pseudonymized digital datasets (IOQ, LIT, DINTR, NVIVO): All digital documents that contain no personal information of participants (datasets: IOQ, LIT, along with an empty sample copy of the informed consent form and GDPR information sheet) will be stored in the secure network drives (I- /J-Drive), provided by the KU Leuven. This will also be the case with the pseudonymized interview research data and data analysis file (datasets: DINTR, NVIVO). In addition, a back-up of all pseudonymized research data and NVivo files will be kept in a separate BitLocker password-protected hard drive in a locked drawer in the researcher's KU Leuven office.

Pseudonymized physical datasets (PRINT, RENOT): For the duration of the study, the physical datasets will be stored by the researcher in a locked drawer or cupboard that can only be accessed by herself. After the research has been finished (with the exception of the PMI dataset, which will be destroyed to not compromise the participants' identity), the paper data will be handed

over to the supervisor who will store them in their office in a locked drawer or cupboard that can only be accessed by herself.
Non-pseudonymized physical and digital datasets (AIR, IC, GDPR, PMI): These datasets will be strictly confidential to the researcher, as they can compromise the identity of the research participants. The digital dataset of the audio interview recordings (AIR) will be deleted immediately after the transcribing and pseudonymization of each of the research interviews. After transcription, the pseudonymized data from the AIR dataset will be stored in the following datasets: PRINT, DINTR, NVIVO. The IC and GDPR datasets which will be given to the researcher in a digital format will be printed out and then deleted from the researcher's computer. These printed out versions of the IC and GDPR digital data will be stored together with the IC and GDPR physical data as well as with the PMI dataset in a locked drawer or cupboard that can only be accessed by the researcher herself. After the completion and publication of the research results, the researcher will destroy the PMI dataset using a paper shredding machine in order to ensure that the participants remain as anonymous as possible.

How will the data be backed up?

All pseudonymized digital data (including interview outlines, digital transcripts, and the NVivo analysis file) will be backed up in two locations:

- Secure network drive (I-/J-Drive) provided by KU Leuven.
- A BitLocker-encrypted, password-protected external hard drive, stored in a locked drawer in the researcher's KU Leuven office.

This ensures redundancy and secure off-site backup in case of technical failure or accidental loss.

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

The storage and backup capacity provided by KU Leuven's infrastructure (network drives and physical storage) is sufficient for all digital and physical data collected and generated during the project.

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

Secure storage of data will be ensured through a combination of:

- Pseudonymization of all personal data during transcription and before analysis.
- Storage of non-pseudonymized data (audio files, consent forms) in physical locked cabinets (physical data). Only unsigned samples of consent and GDPR forms are publicly shared to prevent identity disclosure.
- Password-protected devices and secure network drives (digital data) accessible only to the researcher: Use of BitLocker encryption and password protection for all backup drives containing sensitive data and secure KU Leuven network drives for digital storage, which have restricted access.
- Immediate deletion of raw audio recordings (AIR dataset) after transcription and pseudonymization.

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 or backup, as these are provided by KU Leuven (network drives, physical office space). If any paid storage solution becomes necessary (i.e. for specific data sharing platforms), the researcher's bench fee will be used to cover those costs.

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...).

The following (pseudonymized) datasets will be retained for ten years after project completion:

- NVIVO dataset (analysis file in .nvp format)
- IOQ (interview outline and questions)
- IC (Informed Consent) and GDPR documents unsigned examples
- LIT (relevant research literature references)
- DINTR (Digital Interview Transcripts): The full pseudonymized transcripts of the project interviews will be retained, but not publicly shared in order to minimize any chances of interviewee identification.

These datasets are either anonymized or do not contain personal data and are relevant for long-term verification, reuse, and future research.
The following datasets will not be retained due to privacy and ethical considerations:

- AIR (audio recordings): Will be deleted immediately after transcription and pseudonymization.
- PMI (Pseudonymization Matching Index): Will be destroyed after publication of the results to ensure anonymity.
- IC and GDPR signed documents: Will not be preserved beyond the project due to inclusion of sensitive personal data.

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

- Pseudonymized datasets (NVIVO, IOQ, unsigned IC/GDPR examples) will be archived on the OSF platform, at: https://osf.io/kmued/?view_only=b520532d5f514803a897186e76be8a9a
- The final analyzed dataset will also be archived in the KU Leuven Research Data Repository (RDR) for institutional long-term storage and discoverability.
- Any research publications resulting from these data will be preserved via LIRIAS, KU Leuven's institutional repository.

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

- OSF offers free long-term archiving of open-access data.
- KU Leuven provides institutional storage through the RDR and LIRIAS systems.

If any unexpected costs arise (i.e. repository fees, digital storage fees), these will be covered by the researcher's bench fee.

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.

- Yes, in an Open Access repository

During and after the project, part of the data will be accessible and available for reuse in the following Open Science Framework webpage: https://osf.io/kmued/?view_only=b520532d5f514803a897186e76be8a9a
The datasets that will be made available in the OSF website of the project are the following: NVIVO dataset, IOQ dataset, and example (unsigned) forms of the informed consent and GDPR compliance documents.

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

Access will be restricted to the following invite and view-only link or the duration of the research part of this project: https://osf.io/kmued/?view_only=b520532d5f514803a897186e76be8a9a.
After completion of the analysis and the uploading of the relevant dataset (NVIVO; .nvp), the Open Science webpage for this project will be made public.

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, Privacy aspects
- Yes, Ethical aspects

Some datasets include sensitive personal information (audio recordings, informed consent forms, GDPR documents) which are subject to ethical and privacy constraints in line with GDPR regulations and KU Leuven's SMEC ethical guidelines. For other datasets (interview transcripts, NVivo analysis file), appropriate anonymization and ethical safeguards must be in place for datasets containing personal information.
These ethical and privacy considerations apply to the following datasets:

- AIR (Audio Interview Recordings): These contain identifiable voice data and will be deleted immediately after transcription and pseudonymization.
- IC (Informed Consent) & GDPR Documents: These contain personally identifiable information and will not be shared publicly. They are stored securely and only accessible to the researcher. Only unsigned examples of these two documents will be publicly shared.
- PRINT (Printed Transcripts), DINTR (Digital Interview Transcripts): These transcripts, while pseudonymized, will not be shared publicly in full with the aim to protect the privacy of the research participants. However, the DINTR dataset will be included in the NVIVO file, which will be publicly shared after the finalization of this project.
- RENOT (Research Notes) and PMI (Pseudonymization Matching Index) datasets will not be publicly shared in order to protect the research participants' privacy.

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

All relevant and pseudonymized research data (NVIVO dataset, IOQ dataset, and example forms of the informed consent and GDPR compliance documents) will be made available at the following OSF webpage: https://osf.io/kmued/?view_only=b520532d5f514803a897186e76be8a9a
The analyzed data from the empirical research will be made available via KU Leuven's RDR (Research Data Repository). Articles that will be published as a result of the analyzed data will be made available via KU Leuven's Lirias (Leuven Institutional Repository and Information Archiving System).

When will the data be made available?

The analyzed data will be made available immediately after the completion of the project.

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

The analyzed, pseudonymized data (i.e.: NVIVO project file) and supporting documentation will be made available via the project's OSF page (https://osf.io/kmued/?view_only=b520532d5f514803a897186e76be8a9a) and will be shared under a Creative Commons Attribution-Non Commercial 4.0 International (CC BY-NC 4.0) license.
This license allows others to reuse, adapt, and build upon the material for non-commercial purposes, as long as appropriate credit is given and any modifications are indicated. This ensures both academic openness and protection of participants' data, aligning with the ethical framework of the project.
No license will be provided for datasets containing sensitive and/or personally identifiable information (AIR, IC, GDPR, RENOT, PMI), as these will not be shared publicly due to ethical and GDPR-related privacy concerns.

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

- No

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

There are no expected costs for many of the data repositories. However, in the event that a paid service is necessary to share data, the bench fee of the researcher will be used.

6. Responsibilities

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

The researcher (Sofia Nikitaki) will manage the data documentation and metadata during the research project.

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

The researcher (Sofia Nikitaki) will manage the data storage and backup during the research project.

Who will manage data preservation and sharing?

While the project is ongoing, the researcher (Sofia Nikitaki) will manage the data preservation. The project supervisor, Prof. Annemie Dillen, will take care of the preservation after the completion of the project. The researcher will manage the sharing of the data.

Who will update and implement this DMP?

The researcher (Sofia Nikitaki) will update and implement this DMP.