Plan Overview

A Data Management Plan created using DMPonline.be

Title: Tourism and rural liveability in remote locations: Studying tourism impacts from a socio-spatial systems perspective

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Template: KU Leuven BOF-IOF

Project abstract:

Many places around the globe have turned towards tourism to sustain local livelihoods and conserve cultural and natural resources. Despite this widespread practice, there are still hardly any system-based assessments of tourism, which link up the sector's impacts across all sustainability domains to their underlying processes of change. This project fills this gap by exploring whether and how tourism can develop in a symbiotic relation with the socio-economic, cultural and landscape contexts of rural areas that struggle in a context of globalization. The project innovates with its multi-scalar systems perspective with sensitivity to spatial development issues, and a theorization of non-human agency regarding the role of the landscape in tourism-driven rural development. Using a comparative case study approach, studying rural areas in Georgia and Argentina, this project helps explaining how, in a highly interconnected world, tourism impacts materialize and are negotiated by various actors.

ID: 212166

Start date: 01-10-2024

End date: 30-09-2028

Last modified: 25-03-2025

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.

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Dataset name / ID	Description	New or reuse	Digital or Physical data	Data Type	File format	Data volume	Physical volume
		Indicate: *N(ew data) or E(xisting data)*	Indicate: D(igital) or P(hysical)	Indicate: Audiovisual Images Sound Numerical Textual Model SOftware Other (specify)		Indicate: <1GB <100GB <1TB <5TB >5TB NA	
Interview guides	Interview guides	New	Digital	Textual	.txt	<1GB	/
Questionnaire surveys	Questionnaire surveys for tourists	New	Digital; Physical	Textual	.txt	<1GB	500 pages
Interview and focus group data	Interview and focus group data	New	Digital	Sound; Textual	.mp3; .txt; .qdpx	<100GB	/
Remote sensing	Remote sensing data	Existing; New	Digital	Images; Numerical	.shp	<100GB	/
Tourist questionnaires	Questionnaires with tourists dealing with visitation patterns and paths	New	Physical; Digital	Textual; Numerical	.csv; .dat; .shp	<1GB	±600 pages
Field notes	Field notes with observations	New	Physical; Digital	Textual; Images	.txt; .jpg	<1GB	±100 pages
Archival material	Images and documents related to landscape change in local and national museums and associations	Existing	Physical; Digital	Images; Textial	.pdf; .txt	<1GB	±250 pages
ppGIS	Public participation GIS with residents	New	Physical; Digital	Images; Numerical	.shp	<100GB	±200 pages
Policy documents	Policy documents related to tourism, destination development, land use management and regional development	Existing	Digital	Textual	.pdf	<1GB	/

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:

Landsat data for input for longitudinal land use change analysis:
https://doi.org/10.5066/P9AF14YV. (Landsat 1-5)

https://doi.org/10.5066/P918ROHC. (Landsat 4-5)
https://doi.org/10.5066/P9TU80IG. (Landsat 7)
https://doi.org/10.5066/P975CC9B. (Landsat 8-9)
Sentinel data for input for land use analysis: TBC

The other existing data relates to:

- mostly hard copies of images and documents related to landscape change in local and national museums and associations, such as the Svaneti Museum of History and Ethnography and the Museo Arqueológico "Pío Pablo Díaz". Accessing and digitizing this data will require on-site archival work. No DOIs exist.
- policy documents related to tourism, destination development, land use management and regional development in Argentina and Georgia. These will be sampled on a convenience and purposive basis. These documents range from global governance institutions such as OECD, World Bank, UNWTO to national and local documents. The presence of DOIs, ISBNs etc will differ on an individual document basis and will be identified in the course of the data collection phase.

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)

PRET-SMEC clearance will be guaranteed prior to the first fieldwork stage, which will take place in Argentina. The preparation is currently ongoing; scheduled submission in April/May 2025.

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)

Interview and focus group data; questionnaire data. PRET number will be provided once obtained: submission in April/May 2025.

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

The project is a fundamental research project with societal value only, which can lead to input for optimizing policymaking and destination-level networking but which does not have commercial value as such. No directly derived spin-offs are realistic.

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

The use of Landsat and Sentinel data as input for remote sensing analysis is unrestricted. As defined by Landsat (online): "There are no restrictions on the use of Landsat products." https://www.usgs.gov/landsat-missions/landsat-collection-2-level-1-data
Other existing data related to archival research will only be used as input for various data analysis stages and not be disseminated in original form, which assures that exploitation or dissemination of these data will not restrict the use of these data.
The collected primary qualitative data (resulting from interviews, focus groups) will only be subject to informed consent procedures.

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

The existing data is open access/unrestricted. Other data is primary collected data. The whole project is managed by KU Leuven, ensuring that intellectual property rights will be retained within this university.

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).

After the project an overarching README file will be constructed and assigned a DOI through the RDR portal. The file will describe all data to present a complete overview. This overview will be subject to pseudonymization to ensure confidentiality of human participants. The overview file will also contain an overview of data collection methods (description of actions undertaken), protocols (in particular, the interview protocols and questionnaire surveys) and a qualitative data analysis codebook (description of the coding strategy and coding tree for the interview, focus group, field notes and policy document data), mentioned below. DOIs will be generated through RDR. The combined files will be stored after completion of the project on the PI's archival L-drive to include all data, including confidential.

For the respective datasets, the following procedures will be applied.

- Interview protocol: the documents will be pseudonymized, assigned a DOI and made publicly available if sufficient confidentiality levels can be guaranteed upon the pseudonymization phase.
- Questionnaire survey: the documents will be assigned a DOI and made publicly available.
- Interview and focus group data: This data will be pseudonymized and safely archived. Considering potential sensitivity this data will not be made publicly available. The data will be supported by a confidential (for internal use only) README file which outlines practicalities regarding data collection (dates, subjects, time, recorded yes/no)
- Remote sensing data: The resulting shapefiles will be assigned a DOI and made publicly available. A supporting README file will document the details of the input data and analysis steps.
- Questionnaire data: The data will be collated into a .csv file, assigned a DOI, and made publicly available after data cleaning to ensure anonymity. A supporting README file will describe the codes, the full questions (referencing to the questionnaire survey), and the actions taken for data cleaning.
- Archival data: In terms of documentation, a README file will be constructed in which date of archival research, date of access, location of archive and mode of data capture/recording will be described.
- Field notes: Field notes will be transcribed and dated but will remain confidential. In terms of documentation, a README file will be constructed to describe the actions taken.
- Policy documents: these documents are already in the open domain, hence, these will not be shared in original form. A README file will be constructed for internal use to trace the covered policy documents, the existing hyperlinks to these documents, and the date of access.

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

The project will use the metadata standard of KU Leuven Research Data Repository (DataCite) for data that will be assigned with a DOI and that will be published. The metadata will include publication date, name of the author and ORCID number, title of the data, department/faculty, dataset description, subject, keywords, related publication, file formats, type of access rights. Other data such as the interview audio files and transcripts will be securely archived and not covered by a specific metadata file other than the README file with descriptive summaries of the data as described above.

Data Storage & Back-up during the Research Project

Where will the data be stored?

- OneDrive (KU Leuven)
- Personal network drive (I-drive)
- Sharepoint online

The Sharepoint online storage will only be used during data collection (fieldwork) to ensure a double back up with the OneDrive. This also allows sharing the data with the project's coordinator, who will be able to back up the data within KU Leuven's A zone to his personal network drive and later on the personal archive drive (L-drive). Once returned from fieldwork the data will be deleted from Sharepoint.

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

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

The personal KU Leuven Onedrive and personal folders can only be accessed by the personal institutional login.

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

N/A

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
- Other (specify below)

Data that will be made publicly available (see description earlier in this DMP file) will be archived on KU Leuven's RDR. All data,

including the confidential data, will be stored on the personal archive drive of the project's PI (L-drive made available to him by SET-IT with a personalized archive folder) after the completion of the project.

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

N/A

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.

- No (closed access)
- Yes, as open data

Interview protocol: the documents will be pseudonymized, assigned a DOI and made publicly available as open data if sufficient confidentiality levels can be guaranteed upon the pseudonymization phase.
Questionnaire survey: the documents will be assigned a DOI and made publicly available as open data.
Interview and focus group data: Considering potential sensitivity this data will not be made available.
Remote sensing data: The resulting shapefiles will be assigned a DOI and made publicly available as open data
Questionnaire data: The data will be made available as open data
Archival data: access to these data will remain closed due to our use but not ownership of the data.
Field notes: Considering potential sensitivity this data will not be made available.
Policy documents: these documents are already in the open domain, hence, these will not be additionaly shared in original form as part of the project.

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

Only the project's supervisor, co-supervisors and SET-IT drive managers will have access to the closed data. Data can only be accessed in full pseudonymized form upon specific request to the project's (co-)supervisors.

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, ethical aspects

The interview and focus group data consist of recorded conversations with various stakeholder groups in the study areas to capture community dynamics, livelihood strategies, institutional organization forms including Indigenous institutions, and power dynamics in relation to tourism development organisations and state-led development plans and policies. These data will also capture within-community dynamics including gender relations, social networks, livability issues, and their evolution over time. At an unaggregated level these data may contain sensitive information, in particular in relation to the expected relatively disempowered position of several stakeholder groups and the Indigenous nature of parts of the study areas. Hence, due to confidentiality reasons as well as common practices related to research ethics in the social sciences, these data will not be shared with third parties.

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)

For the open data described above.

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.

- 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?

N/A

Responsibilities

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

Francesca La Rocca and Helene Dahl (PhD researchers working on the project), supervised by Arie Stoffelen, Noel Salazar and Anton Van Rompaey (supervisors)

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

Francesca La Rocca and Helene Dahl (PhD researchers working on the project), supervised by Arie Stoffelen, Noel Salazar and Anton Van Rompaey (supervisors)

Who will manage data preservation and sharing?

Arie Stoffelen

Who will update and implement this DMP?

Arie Stoffelen

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