DMP title

Project Name My plan (FWO DMP) - DMP title
Grant Title 11K1722N
Principal Investigator / Researcher Hernan Manrique LÃ³pez
Institution KU Leuven

1. General Information
Name applicant

Hernán Manrique López

FWO Project Number & Title

"Between conservation and extraction: Addressing socioecological dynamics of illicit economies and opportunities for rural development in Protected Areas of the Peruvian Amazon" (11K1722N)

Affiliation

- KU Leuven

2. Data description
Will you generate/collect new data and/or make use of existing data?

- Generate new data

Describe in detail the origin, type and format of the data (per dataset) and its (estimated) volume. This may be easiest in a table (see example) or as a data flow and per WP or objective of the project. If you reuse existing data, specify the source of these data. Distinguish data types (the kind of content) from data formats (the technical format).

WP1. Testing for deforestation, balloon effects and mitigating underlying socio-economic variables using remote sensing and socio-economic data

Type of data	Format	Volume	How created
Classification of coca crops	.tif	100-300GB	Crop identification through hyperspectral remote sensing
Spatial data on coca crops	.shp	5-10GB	Transformation of raster data into vector
Spatial-time series modeling (analysis and scripts)	.csv .rds .py	Max 3GB	Transformation of my own-collected data into a readable format in R and Python

WP2: Qualitative assessment of the dynamics of the illicit economies and the implementation of Forest Landscape Restoration and Alternative Development

Type of data	Format	Volume	How created
Qualitative data (40 interviews)	Audio-recorded (if consented) and stored in mp3 format; transcribed into MS Word format	5-10GB	Face-to-face interviews with: a) farmers b) park guards c) projec'ts personnel d) beneficiaries from FLP projects

3. Legal and ethical issues
Will you use personal data? If so, shortly describe the kind of personal data you will use. Add the reference to your file in KU Leuven's Register of Data Processing for Research and Public Service Purposes (PRET application). Be aware that registering the fact that you process personal data is a legal obligation.

- Yes

The personal data that will be analysed covers farmer characteristics (age, sex, education, household structure) and attitudes. Data collection and processing protocol is explained in detail in the application submitted to PRET (G-2022-5266).

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, add the reference to the formal approval by the relevant ethical review committee(s)

- Yes

My research project has a qualitative component that involves the participation of humans. In my PRET application I have detailed all aspects regarding how I will approach them, as well as every aspect regarding their informed consent (goals of the study, contact details, etc) and debriefing.

Does your work possibly result in research data with potential for tech transfer and valorisation? Will IP restrictions be claimed for the data you created? If so, for what data and which restrictions will be asserted?

- No

There is no potential for tech transfer nor valorisation of the personal data I will produce. On the contrary, this will be safeguarded under the highest level of safety I can achieve.

Do existing 3rd party agreements restrict dissemination or exploitation of the data you (re)use? If so, to what data do they relate and what restrictions are in place?

- No

4. Documentation and metadata
What documentation will be provided to enable reuse of the data collected/generated in this project?
- List of pseudonymized interviews (see details in the PRET form) mentioning place and date
- List of audio recordings and transcripts
- Original recordings, transcripts and all dgital data that could be linked to the participants will be stored on a password-protected, encrypted computer.
- Physical informed consent will be destroyed after scanning them.

- Recordings can be made available to the three supervisors of the project, and only to them, if necessary.

Will a metadata standard be used? If so, describe in detail which standard will be used. If no, state in detail which metadata will be created to make the data easy/easier to find and reuse.

- No

- No metadata standard will be used for qualitative data generated by the researcher. Place, date, type, subject, keywords, is generated by the OS (Windows 10)

5. Data storage and backup during the FWO project
Where will the data be stored?
- On the researchers' (KUL-managed) Personal Computer, encrypted and protected by a personal password
- Files (with non-identifiable filename) will be held in locked folders
- On the KU Leuven Servers (BOX).
- Physical data (informed consents) will be destroyed after scanning them.

How is backup of the data provided?
BOX is centrally backed-up.

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

What are the expected costs for data storage and back up during the project? How will these costs be covered?
None

Data security: how will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?
Electronic primary materials are stored on an encrypted and password protected computer managed by the KU Leuven, and on encrypted, password protected folders.
The identifiable data files from this study will be managed, processed, and stored in a secure environment (e.g. ICTS' 'digital vault for private data').
As mentioned before, physical data (informed consent forms) will be destroyed after being scanned.

6. Data preservation after the FWO project
Which data will be retained for the expected 5 year period after the end of the project? In case only a selection of the data can/will be preserved, clearly state the reasons for this (legal or contractual restrictions, physical preservation issues, ...).
Following GDPR regulations, a researcher is allowed to keep the raw research data for future academic purposes as long as the participants consented to this, and as long the storage is safe. Data storege and backup details have been mentinoned in the previous section.
All of this data will be retained for the expected 5 year period.

Where will the data be archived (= stored for the longer term)?
Digital data will be archived on KU Leuven computers, BOX on the server of KULeuven. After the end of the project, data will be transferred to an encrypted drive with password-protected folders that will be stored in a locked cupboard in the office of the supervisor.

What are the expected costs for data preservation during the retention period of 5 years? How will the costs be covered?
All costs will be covered with the project budget. No additional funds will be needed.

7. Data sharing and reuse
Are there any factors restricting or preventing the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)?

- Yes. Specify:

Restrictions relate to ethics and privacy protection from the GDPR apply. The consent forms (uploaded in my PRET application) stipulate that all primary data will be treated confidentially and will only be available to the researcher.

Which data will be made available after the end of the project?
- List of pseudonymized interviews
- Vector (.shp) and raster (.tif) data used in open access publications

Where/how will the data be made available for reuse?

- The full dataset with documentation will be uploaded in a cvs format in Zenodo (accesible upon request)
- The source code will be released on GitHub

When will the data be made available?

- Upon publication of the research results

After publication, upon request (by, for instance, a publisher or journal) made to the researcher and/ or her/his supervisor
Unpublished results will be made available after an embargo period (3 years; exceptionally 5 years after the project).

Who will be able to access the data and under what conditions?
The full dataset will be uploaded in a cvs format in Zenodo as an open access dataset under a CC-BY license upon request. Therefore, it will be available to anyone for any purpose, provided that they give appropriate credit to the creators
The anonymised transcripts will be made available through Harvard Dataverse. Access will be considered after a request is submitted explaining the planned reuse

What are the expected costs for data sharing? How will the costs be covered?
There are no expected costs for public data repositories.

8. Responsibilities
Who will be responsible for data documentation & metadata?
Main researcher (PhD Candidate) and supervisor (Dr. Olivier Honnay)

Who will be responsible for data storage & back up during the project?
Main researcher (PhD Candidate) and supervisor (Dr. Olivier Honnay)

Who will be responsible for ensuring data preservation and reuse ?
Main researcher (PhD Candidate) and supervisor (Dr. Olivier Honnay)

Who bears the end responsibility for updating & implementing this DMP?
Main researcher (PhD Candidate) and supervisor (Dr. Olivier Honnay)