DMP title

Project Name Eos "Beyond symplectic geometry' - DMP title
Grant Title GOI2222N
Principal Investigator / Researcher Marco Zambon
Project Data Contact marco.zambon@kuleuven.be
Description This is a project in pure mathematics, addressing cutting edge questions in the field of geometry. The data are in the form of mathematical statements (theorems, examples,...) and are obtained by the members of the project.
Institution KU Leuven

1. General Information

Name applicant

Marco Zambon

FWO Project Number & Title

EOS project G0I2222N (EOS ID: 40007524)

Affiliation

- KU Leuven

This project has 3 PI's:
- Joel Fine (ULB)
- Sonja Hohloch (Universiteit Antwerpen)
- Marco Zambon (KU Leuven)

It also has 3 co-PI's:
- Melanie Bertelson (ULB)
- Bruno Premoselli (ULB)
- Joeri van der Veken (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).

This research involves no data collection.
The output data is in the format of paper notes and Latex/PDF files.
Latex files are very small, typically around 200 KB, and the corresponding PDF files are about 1MB.

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.

- No

Privacy Registry Reference:
Short description of the kind of personal data that will be used:
None

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)

- No

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

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?

The data generated are in the forms of mathematical theorems. The explanation of the steps taken to obtain and prove the theorems, as well as their general context, will form part of the introduction of the corresponding publication.

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.

- Yes

The research papers will be typeset in Latex, a softwared designed for mathematical text and formulas. Typically, before a paper reaches its final form (the one in which it is accepted for publication), it is preceeded by several versions, which can be considered metadata for the project. These versions are upoaded to the preprint server ArXiv.org, both in Latex and PDF format, and remain available there.

5. Data storage and backup during the FWO project

Where will the data be stored?

The output data will be stored on the computers of the PI Marco Zambon, and one to the servers to which they will be backed up.

How is backup of the data provided?

The output data will be stored either on servers, using applications provided by the university such as OneDrive, or using similar applications.

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

Storage capacity is not an issue, given the small size of Latex and PDF files.

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

Given the small size of Latex and PDF files, there are no costs involved.

Data security: how will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

The output data are protected via passwords.

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, ...).

All the output data (paper notes and Latex/PDF files).

Where will the data be archived (= stored for the longer term)?

The output data will be stored in the form of
- preprints, available through the preprint server ArXiv.org
- publications, available through the corresponding mathematical journals.

What are the expected costs for data preservation during the retention period of 5 years? How will the costs be covered?

None. Both the preprint server Arxiv.org and journal publication are free.

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)?

- No

Which data will be made available after the end of the project?

The output data will be available in the form of
- preprints, available through the preprint server ArXiv.org
- publications, available through the corresponding mathematical journals.

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

- Other (specify):

As mentioned above, the output data will be stored in the form of
- preprints, available through the freely accessible preprint server ArXiv.org
- publications, available through the corresponding mathematical journals.

When will the data be made available?

- Upon publication of the research results

Typically the output data will be available immediately after completion of the preprint, oh the preprint server ArXiv.org.

Who will be able to access the data and under what conditions?

Everyone can access for free the preprint server ArXiv.org.

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

No costs.

8. Responsibilities

Who will be responsible for data documentation & metadata?

Marco Zambon

Who will be responsible for data storage & back up during the project?

Marco Zambon

Who will be responsible for ensuring data preservation and reuse ?

Marco Zambon

Who bears the end responsibility for updating & implementing this DMP?

The PI bears the end responsibility of updating & implementing this DMP.