

FWO DMP Template

Project supervisors (from application round 2018 onwards) and fellows (from application round 2020 onwards) will, upon being awarded their project or fellowship, be invited to develop their answers to the data management related questions into a DMP. The FWO expects a **completed DMP no later than 6 months after the official start date** of the project or fellowship. The DMP should not be submitted to FWO but to the research co-ordination office of the host institute; FWO may request the DMP in a random check.

At the end of the project, the **final version of the DMP** has to be added to the final report of the project; this should be submitted to FWO by the supervisor-spokesperson through FWO's e-portal. This DMP may of course have been updated since its first version. The DMP is an element in the final evaluation of the project by the relevant expert panel. Both the DMP submitted within the first 6 months after the start date and the final DMP may use this template.

1. General Information	
Name applicant	Gilles Castel
FWO Project Number & Title	1180122N: Deformation problems in Poisson and generalized complex geometry
Affiliation	<input checked="" type="checkbox"/> KU Leuven <input type="checkbox"/> Universiteit Antwerpen <input type="checkbox"/> Universiteit Gent <input type="checkbox"/> Universiteit Hasselt <input type="checkbox"/> Vrije Universiteit Brussel <input type="checkbox"/> Other:
2. Data description	
Will you generate/collect new data and/or make use of existing data?	<input checked="" type="checkbox"/> Generate new data <input type="checkbox"/> Reuse existing data

<p>Describe the origin, type and format of the data (per dataset) and its (estimated) volume</p> <p><i>If you reuse existing data, specify the source of these data.</i></p> <p><i>Distinguish data types (the kind of content) from data formats (the technical format).</i></p>	<p>This research does not involve data collection.</p> <p>The output data consists of:</p> <ul style="list-style-type: none"> • Handwritten notes. Format: paper. • Typed notes. Format: .tex, .pdf. Volume: < 500MB. • Images: Drawings of mathematical objects and ideas. Format: .png, .svg. Volume: < 100MB.
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3. Ethical and legal issues	
<p>Will you use personal data? If so, shortly describe the kind of personal data you will use AND add the reference to your file in your host institution's privacy register.</p> <p><i>In case your host institution does not (yet) have a privacy register, a reference is not yet required of course; please add the reference once the privacy register is in place in your host institution.</i></p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p>If yes:</p> <ul style="list-style-type: none"> - Privacy Registry Reference: - Short description of the kind of personal data that will be used:
<p>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).</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p>If yes:</p> <ul style="list-style-type: none"> - Reference to ethical committee approval:
<p>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?</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p>If yes, please comment:</p>

Do existing 3 rd 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please comment:
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4. Documentation and metadata

What documentation will be provided to enable understanding and reuse of the data collected/generated in this project?	The data generated consists of mathematical theorems. Each of the typed notes will contain a short description of its contents and context. We also provide detailed steps on how to prove the theorems. This allows others to reuse our results.
Will a metadata standard be used? If so, describe in detail which standard will be used. If not, state in detail which metadata will be created to make the data easy/easier to find and reuse.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please specify: We will give all the files descriptive filenames and tag them with relevant keywords. This way, documents related to certain aspects of the project can be found easily.

5. Data storage & backup during the FWO project

Where will the data be stored?	The output data will be stored on the computers of PI Gilles Castel and on the backup servers of KU Leuven.
How will the data be backed up?	Yes, the data will be backed up on the Box cloud storage provided by KU Leuven.
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.	<input checked="" type="checkbox"/> Yes: Given the small size of LaTeX and PDF documents, this will not be a problem. <input type="checkbox"/> No If no, please specify:

<p>What are the expected costs for data storage and backup during the project? How will these costs be covered?</p> <p><i>Although FWO has no earmarked budget at its disposal to support correct research data management, FWO allows for part of the allocated project budget to be used to cover the cost incurred.</i></p>	<p>There are no expected additional costs. All storage and backup capacity is provided by KU Leuven.</p>
<p>Data security: how will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?</p>	<p>None of the data generated as part of this project is sensitive or personal. We protect the data by password-protecting the devices used, as well as encrypting the hard drives. Furthermore, the Box servers for backup are also secure.</p>

6. Data preservation after the end of the FWO project

FWO expects that data generated during the project are retained for a period of minimally 5 years after the end of the project, in as far as legal and contractual agreements allow.

<p>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, ...).</p>	<p>All the output data will be retained.</p>
<p>Where will these data be archived (= stored for the long term)?</p>	<p>The output will be submitted to ArXiv (https://arxiv.org), and will be published through corresponding mathematical journals.</p>

<p>What are the expected costs for data preservation during these 5 years? How will the costs be covered?</p> <p><i>Although FWO has no earmarked budget at its disposal to support correct research data management, FWO allows for part of the allocated project budget to be used to cover the cost incurred.</i></p>	<p>Owing to the small volume of data and the free services selected for archiving, no costs are expected.</p>
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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 3 rd party, legal restrictions)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please specify:
Which data will be made available after the end of the project?	<p>The output data will be available in the form of</p> <ul style="list-style-type: none"> • preprints, available through ArXiv (https://arxiv.org) • publications, available through the corresponding mathematical journals.
Where/how will the data be made available for reuse?	<input checked="" type="checkbox"/> In an Open Access repository <input type="checkbox"/> In a restricted access repository <input checked="" type="checkbox"/> Upon request by mail <input type="checkbox"/> Other (specify):
When will the data be made available?	<p>Upon publication of the research results. Typically, the output data will be available immediately after completion of the preprint on ArXiv (https://arxiv.org)</p>
Who will be able to access the data and under what conditions?	<p>Everyone can access the preprint server ArXiv.</p>

<p>What are the expected costs for data sharing? How will these costs be covered?</p> <p><i>Although FWO has no earmarked budget at its disposal to support correct research data management, FWO allows for part of the allocated project budget to be used to cover the cost incurred.</i></p>	<p>Since all data will be uploaded to repositories that are free to use, I do not expect the data sharing to incur any additional costs.</p>
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8. Responsibilities

Who will be responsible for the data documentation & metadata?	Gilles Castel
Who will be responsible for data storage & back up during the project?	Gilles Castel
Who will be responsible for ensuring data preservation and sharing?	Gilles Castel
<p>Who bears the end responsibility for updating & implementing this DMP?</p> <p><i>Default response: The PI bears the overall responsibility for updating & implementing this DMP</i></p>	The PI bears the overall responsibility for updating & implementing this DMP