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	**Maximiliano Udenio Castro**
FWO Project Number & Title	**G0D2222N -** Inventory management in times of environmental uncertainty
Affiliation	☒ KU Leuven ☐ Universiteit Antwerpen ☐ Universiteit Gent ☐ Universiteit Hasselt ☐ Vrije Universiteit Brussel ☐ Other:
2. Data description	
Will you generate/collect new data and/or make use of existing data?	☒ Generate new data ☒ Reuse existing data

Describe the origin, type and format of the data (per dataset) and its (estimated) volume *If you reuse existing data, specify the source of these data.* *Distinguish data types (the kind of content) from data formats (the technical format).*	For this research, secondary data will be used in WP1. In particular, the FactSet Revere database and the S&P Compustat dataset. The supervisor already has access to both, a personal Revere subscription is hosted by the ICT department of the Faculty of Economics and Business. The same faculty also has a campus-wide license for the Compustat dataset. The data type of these datasets is public financial firm data. Storage requirements for these datasets are modest (in the order of 100Gb) all data is stored as csv text files. For the other WP's, simulation data will be generated and used; the type will be demand data generated from statistical distributions. The format of these data are expected to also be csv text files and the volume, relatively low, in the order of 10-15Gb.

3. Ethical and legal issues

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.
 	
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.
	☐ Yes
	☒ No
	If yes:
	   - Privacy Registry Reference:
	   - Short description of the kind of personal data that will be used:

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 ☒ No If yes: - Reference to ethical committee approval:

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?	☐ Yes ☒ No If yes, please comment:
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?	☐ Yes ☒ No If yes, please comment:

4. Documentation and metadata	
What documentation will be provided to enable understanding and reuse of the data collected/generated in this project?	**All the data generated will be made available through KU Leuven's replication data repository, including all the necessary documentation.**
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.	☒ Yes ☐ No If yes, please specify: **All data will be made available through the KU Leuven RDR, which has a review process to ensure the data is properly formatted and documented.**

5. Data storage & backup during the FWO project	
Where will the data be stored?	Local storage.
How will the data be backed up?	Data will be duplicated and stored locally by all the members of the team.
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 ☐ No The storage requirements are very modest, thus no issues are foreseen. If no, please specify:

What are the expected costs for data storage and backup during the project? How will these costs be covered? *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.*	**No extra costs for storage and backup are foreseen.**
Data security: how will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?	**Local storage of all relevant data. No cloud storage. Only final shareable data to be made available through KU Leuven RDR.**

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.	
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 relevant data will be stored.**
Where will these data be archived (= stored for the long term)?	**Local storage. Eventually the data will be offloaded to a flash drive.**

What are the expected costs for data preservation during these 5 years? How will the costs be covered? *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.*	**No extra costs are foreseen.**

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 ☐ No If yes, please specify: commercial data, requiring a license (factset) cannot be shared fully. All generated data will be shared.
Which data will be made available after the end of the project?	**All data used in publications will be shared in accompanying RDR publications.**
Where/how will the data be made available for reuse?	☒ In an Open Access repository ☐ In a restricted access repository ☐ Upon request by mail ☐ Other (specify):
When will the data be made available?	**At the time of publication of any relevant research.**
Who will be able to access the data and under what conditions?	**Open access through** CC-BY-SA-4.0 **licensing.**
What are the expected costs for data sharing? How will these costs be covered? *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.*	**No extra costs are foreseen.**

8. Responsibilities	
Who will be responsible for the data documentation & metadata?	**Maximiliano Udenio Castro**
Who will be responsible for data storage & back up during the project?	**Maximiliano Udenio Castro**
Who will be responsible for ensuring data preservation and sharing?	**Maximiliano Udenio Castro**
Who bears the end responsibility for updating & implementing this DMP? *Default response: The PI bears the overall responsibility for updating & implementing this DMP*	**Maximiliano Udenio Castro**