## FWO DMP Template - Flemish Standard Data Management Plan

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.

The DMP template used by the Research Foundation Flanders (FWO) corresponds with the Flemish Standard Data Management Plan. This Flemish Standard DMP was developed by the Flemish Research Data Network (FRDN) Task Force DMP which comprises representatives of all Flemish funders and research institutions. This is a standardized DMP template based on the previous FWO template that contains the core requirements for data management planning. To increase understanding and facilitate completion of the DMP, a standardized **glossary** of definitions and abbreviations is available via the following link.

|  | 1. General Project Information  |
|--|---|
| Name Grant Holder & ORCID                  | Lowie Adyns (ORCID: 0000-0002-2569-1296)  |
| Contributor name(s) (+ ORCID) & roles      | Promotor KUL: Prof. Dr. Sofie Struyf (0000-0003-4558-0769), Co-promotor KUL: Prof. Dr. Paul Proost  |
|  | (0000-0002-0133-5545), Promotor UAntwerp: Prof. Dr. Geert Baggerman (0000-0002-0661-931X),  |
|  | Promotor VITO: Dr. Eline Berghmans (0000-0002-7312-937X)  |
| Project number <sup>1</sup> & title        | (3M210576) Validation of biomarkers that can improve prediction of the outcome of immune checkpoint   |
|  | inhibitors.   |
| Funder(s) GrantID <sup>2</sup>             | 1S40823N  |
| Affiliation(s)                             | ☑ KU Leuven   |
|  | ☑ Universiteit Antwerpen  |
|  | ☐ Universiteit Gent   |
|  | ☐ Universiteit Hasselt  |
|  | □ Vrije Universiteit Brussel  |
|  | ☑ Other: VITO   |
|  | Provide ROR <sup>3</sup> identifier when possible:  |
| Please provide a short project description | Immune checkpoint immunotherapy (ICI) is a promising treatment for cancer patients suffering from e.g. non-small cell lung cancer (NSCLC). However, this therapy is only successful in 25-30% of treated patients and is associated with severe immune-related events. Therefore, biomarkers predicting ICI success are needed. The host laboratory discovered three protein markers as potential prospective biomarkers for anti-PD-(L)1 ICI response in NSCLC patients by innovative mass spectrometry imaging (MSI). MSI was successfully implemented as screening method and NSCLC patient stratification to therapy response improved fourfold compared to the currently used clinical marker. We also have strong indications that the identified protein markers may induce an immune response against NSCLC tumor cells in vitro and decrease tumor cell proliferation. These new and interesting findings will be further explored to understand the action of the protein markers on the tumor cells and leukocyte subtypes to eventually improve their potency in cancer immunology. |

<sup>&</sup>lt;sup>1</sup> "Project number" refers to the institutional project number. This question is optional since not every institution has an internal project number different from the GrantID. Applicants can only provide one project number.

<sup>&</sup>lt;sup>2</sup> Funder(s) GrantID refers to the number of the DMP at the funder(s), here one can specify multiple GrantIDs if multiple funding sources were used.

<sup>&</sup>lt;sup>3</sup> Research Organization Registry Community. https://ror.org/

2. 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<sup>4</sup>.

|           |                  |                  |                 | ONLY FOR DIGITAL DATA | ONLY FOR DIGITAL DATA | ONLY FOR DIGITAL DATA | ONLY FOR PHYSICAL DATA |
|-----------|------------------|------------------|-----------------|-----------------------|-----------------------|-----------------------|------------------------|
| Dataset   | Description      | New or Reused    | Digital or      | Digital Data Type     | Digital Data          | Digital Data          | Physical Volume        |
| Name      |                  |                  | Physical        |                       | Format                | Volume (MB, GB,       |                        |
|           |                  |                  |                 |                       |                       | TB)                   |                        |
| Numerical | Output of ELISA  | □ Generate new   | □ Digital       | ☐ Observational       | ☐ .por                | □ < 100 MB            |                        |
| data      | to detect        | data             | ☐ Physical      |                       | ☐ .xml                | □ < 1 GB              |                        |
|           | immunological    | ☐ Reuse existing |                 | ☐ Compiled/           | ☐ .tab                | ⊠ < 100 GB            |                        |
|           | markers, Results | data             |                 | aggregated data       | □ .csv                | □ < 1 TB              |                        |
|           | of IncuCyte      |                  |                 | ☐ Simulation          | ☐ .pdf                | □ < 5 TB              |                        |
|           | analyses,        |                  |                 | data                  | ☐ .txt                | □ < 10 TB             |                        |
|           |                  |                  |                 | ☐ Software            | ☐ .rtf                | □ < 50 TB             |                        |
|           |                  |                  |                 | ☐ Other               | $\square$ .dwg        | □ > 50 TB             |                        |
|           |                  |                  |                 | □ NA                  | ☐ .tab                | □NA                   |                        |
|           |                  |                  |                 |                       | ☐ .gml                |                       |                        |
|           |                  |                  |                 |                       | ⊠ other: .xls         |                       |                        |
|           |                  |                  |                 |                       | □ NA                  |                       |                        |
| IncuCyte  | Images for       | □ Generate new   | □ Digital     □ | ☐ Observational       | por                   | ☐ < 100 MB            |                        |
| images    | confluency of    | data             | ☐ Physical      |                       | ☐ .xml                | ☐ < 1 GB              |                        |
|           | co-culture       | ☐ Reuse existing |                 | ☐ Compiled/           | ☐ .tab                | □ < 100 GB            |                        |
|           | experiments or   | data             |                 | aggregated data       | ☐ .csv                | ⊠ < 1 TB              |                        |
|           | other relevant   |                  |                 | ☐ Simulation          | ☐ .pdf                | □ < 5 TB              |                        |
|           | assays.          |                  |                 | data                  | txt                   | ☐ < 10 TB             |                        |
|           |                  |                  |                 | ☐ Software            | rtf                   | ☐ < 50 TB             |                        |
|           |                  |                  |                 | ☐ Other               | $\square$ .dwg        | □ > 50 TB             |                        |

<sup>&</sup>lt;sup>4</sup> Add rows for each dataset you want to describe.

|              |                   |                  |            | □ NA            | ☐ .tab            | □ NA       |
|--------------|-------------------|------------------|------------|-----------------|-------------------|------------|
|              |                   |                  |            |                 | ☐ .gml            |            |
|              |                   |                  |            |                 | ⊠ other: .tiff    |            |
|              |                   |                  |            |                 | □NA               |            |
| RNA-seq data | Differential      | ⊠ Generate new   | □ Digital  | ☐ Observational | ☐ .por            | □ < 100 MB |
|              | gene expression   | data             | ☐ Physical |                 | ☐ .xml            | □ < 1 GB   |
|              | between HNP       | ☐ Reuse existing |            | ☐ Compiled/     | ☐ .tab            | □ < 100 GB |
|              | stimulated cells  | data             |            | aggregated data | □ .csv            | ⊠ < 1 TB   |
|              | and non-          |                  |            | ☐ Simulation    | ⊠ .pdf            | □ < 5 TB   |
|              | stimulated cells  |                  |            | data            | ⊠ .txt            | □ < 10 TB  |
|              |                   |                  |            | ☐ Software      | ☐ .rtf            | □ < 50 TB  |
|              |                   |                  |            | ☐ Other         | ☐ .dwg            | □ > 50 TB  |
|              |                   |                  |            | □NA             | ☐ .tab            | □ NA       |
|              |                   |                  |            |                 | ☐ .gml            |            |
|              |                   |                  |            |                 | ⊠ other: .fastq   |            |
|              |                   |                  |            |                 | and .BAM          |            |
|              |                   |                  |            |                 | □NA               |            |
| Proteomics   | Identification of | ☑ Generate new   | □ Digital  | ☐ Observational | ☐ .por            | □ < 100 MB |
| data         | pathways          | data             | ☐ Physical |                 | ☐ .xml            | □ < 1 GB   |
|              | involved in HNP   | ☐ Reuse existing |            | ☐ Compiled/     | ☐ .tab            | □ < 100 GB |
|              | activation from   | data             |            | aggregated data | ⊠ .csv            | □<1TB      |
|              | co-cultures,      |                  |            | ☐ Simulation    | ☐ .pdf            | ⊠ < 5 TB   |
|              | validation of     |                  |            | data            | ☐ .txt            | □ < 10 TB  |
|              | these findings    |                  |            | ☐ Software      | ☐ .rtf            | □ < 50 TB  |
|              | on pre-           |                  |            | ☐ Other         | ☐ .dwg            | □ > 50 TB  |
|              | treatment         |                  |            | □ NA            | ☐ .tab            | │ □ NA     |
|              | patient biopsy    |                  |            |                 | ☐ .gml            |            |
|              | tissues using     |                  |            |                 | ⊠ other: Specific |            |
|              | broad MS and      |                  |            |                 | mass              |            |
|              | MSI.              |                  |            |                 | spectrometry      |            |

| Flow<br>cytometry<br>data | Receptor identification and HNP binding experiments, identification of cell type binding HNP. | ⊠ Generate new data □ Reuse existing data | ⊠ Digital □ Physical | ☐ Observational ☐ Experimental ☐ Compiled/ aggregated data ☐ Simulation data ☐ Software ☐ Other ☐ NA | datafiles.  NA  .por .xml .tab .csv .pdf .txt .rtf .dwg .tab .gml dwg .tab .gml other: .fcs, .wsp  | ☐ < 100 MB ☐ < 1 GB ☑ < 100 GB ☐ < 1 TB ☐ < 5 TB ☐ < 10 TB ☐ < 50 TB ☐ > 50 TB ☐ NA |
|---------------------------|---|---|----------------------|--|--|---|
| Image data                | Immunostaining of neutrophils and patient biopsies, western blot data.                        | ⊠ Generate new data □ Reuse existing data | ⊠ Digital □ Physical | ☐ Observational ☐ Experimental ☐ Compiled/ aggregated data ☐ Simulation data ☐ Software ☐ Other ☐ NA | □ .por □ .xml □ .tab □ .csv □ .pdf □ .txt □ .rtf □ .dwg □ .tab □ .gml □ .other: .tif and .png □ NA | <pre></pre>   |

| GUIDANCE:   |  |
|---|--|
| DATA CAN BE DIGITAL OR PHYSICAL (FOR EXAMPLE BIOBANK, BIOLOGICA<br>METHOD.  | AL SAMPLES,). DATA TYPE: DATA ARE OFTEN GROUPED BY TYPE (OBSERVATIONAL, EXPERIMENTAL ETC.), FORMAT AND/OR COLLECTION/GENERATION  |
|   | ISOR READINGS, SENSORY OBSERVATIONS); EXPERIMENTAL (E.G. MICROSCOPY, SPECTROSCOPY, CHROMATOGRAMS, GENE SEQUENCES);<br>ARIABLES, 3D MODELLING); SIMULATION DATA (E.G. CLIMATE MODELS); SOFTWARE, ETC. |
| EXAMPLES OF DATA FORMATS: TABULAR DATA (.POR,. SPSS, STRUCTURE DATA, DOCUMENTATION & COMPUTATIONAL SCRIPT.  | ED TEXT OR MARK-UP FILE XML, .TAB, .CSV), TEXTUAL DATA (.RTF, .XML, .TXT), GEOSPATIAL DATA (.DWG,. GML,), IMAGE DATA, AUDIO DATA, VIDEO  |
| DIGITAL DATA VOLUME: PLEASE ESTIMATE THE UPPER LIMIT OF THE VOL   | UME OF THE DATA PER DATASET OR DATA TYPE.  |
| PHYSICAL VOLUME: PLEASE ESTIMATE THE PHYSICAL VOLUME OF THE RE<br>AND/OR AFTER).  | SEARCH MATERIALS (FOR EXAMPLE THE NUMBER OF RELEVANT BIOLOGICAL SAMPLES THAT NEED TO BE STORED AND PRESERVED DURING THE PROJECT  |
| 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.   | NA   |
| 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, please describe these issues further and refer to specific datasets or data types when appropriate. |  |

 $<sup>^{\</sup>rm 5}\,{\rm These}$  data are generated by combining multiple existing datasets.

| Will you process personal data <sup>6</sup> ? If so, briefly describe the kind of personal data you will use. Please refer to specific datasets or data types when appropriate. If available, add the reference to your file in your host institution's privacy register. |   |
|---|---|
| Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-  |   |
| offs, commercial exploitation,)?  | If yes, please comment: The patent for use of HNPs as pretreatment biomarkers is granted (EP            |
| If so, please comment per dataset or data type  | 19197602.6)   |
| where appropriate.  |   |
| Do existing 3rd party agreements restrict exploitation or dissemination of the data you   |   |
| (re)use (e.g. Material/Data transfer agreements,  | Lifyes, please explain: The data handling/management contracts between the different partners have been |
| research collaboration agreements)?   | finalized and signed by all partners (UAntwerp, KU Leuven and VITO).                                    |
| If so, please explain to what data they relate and  | inidized and signed by an partners (oznitwerp, no Leaven and viro).                                     |
| what restrictions are in place.   |   |

<sup>&</sup>lt;sup>6</sup> See Glossary Flemish Standard Data Management Plan

| Are there any other legal issues, such as          | ⊠ Yes   |
|--|---|
| intellectual property rights and ownership, to be  | □ No  |
| managed related to the data you (re)use?           | If yes, please explain: Intellectual property rights: The patent for use of HNPs as pretreatment biomarkers |
| If so, please explain to what data they relate and | is granted (EP 19197602.6). The data handling/management contracts between the different partners           |
| which restrictions will be asserted.               | have been finalized and signed by all partners (UAntwerp, KU Leuven and VITO).                              |
|  |   |

## 3. 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).

In general, the methodology and protocol of each experiment will be described in detail in a lab book.

- 1. Imaging data are created by default with metadata imprinted by the image acquisition software's automatically. This includes information on user, data and time, duration of experiments, equipment parameters and imaging configurations. The metadata are saved and transferred with the original imaging file. The created data files will be organized in folders named by the data of the experiment (YYYYMMDD) followed by the research who performed it and the title of the experiment.
- 2. Numerical data: The output of equipment, resulting in numerical data (.xlsx, .doc) automatically saves basic parameters of the experiment (date, time, user, measure conditions). The resulting .xlsx or .doc files are stored and organized in folder named by the date of the experiment and the researcher who performed the experiment.
- 3. Flow cytometry data: Flow cytometry templates are saved which automatically stores the parameters (voltages, compensation,...) that are used during the acquisition of the data.
- 4. Proteomics data: Mass spectrometry data-files and protein identification files (.CsV) will be generated. A readme file will be provided containing lab notes, and the protocols executed. This read-me file will always be kept together with the dataset. All protocols, raw data and analysed data produced will be catalogued in laboratory books and stored as digital files.
- 5. RNA-seq data: Data from the Genomics Core is received and stored in a .ZIP folder with a project number and date. Quality control and other relevant data are included in these folders.

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.

Repositories could ask to deliver metadata in a certain Format, with specified ontologies and vocabularies, i.e. Standard Lists with Unique Identifiers.

Yes

□ No

If yes, please specify (where appropriate per dataset or data type) which metadata standard will be used:

For transcriptomics we will use MAGE-TAB, for proteomics MAGE-TAB-Proteomics before submission to the PRIDE repository (ref https://www.nature.com/articles/s41467-021-26111-3).

If no, please specify (where appropriate per dataset or data type) which metadata will be created:

| 4. Data Storage & Back-up during the Research Project |  |  |
|---|--|--|
| Where will the data be stored?                        | In general, protocols and data will be stored: 1) on the local password protected computer drive of the researcher, synchronized to a NAS-device, 2) on a protected external HDD and 3) on a central storage drive which will be used for long-term storage of voluminous data and which has an automatic back-up system and is solidly protected against potential invaders. All data will be kept for a minimum of ten years after the end of the project, it will then be evaluated if longer storage is necessary. |  |

| How will the data be backed up?  What storage and backup procedures will be in place to prevent data loss? Describe the locations, storage media and procedures that will be used for storing and backing up digital and non-digital data during research.  Refer to institution-specific policies regarding backup procedures when appropriate. | We will use the central server storage of KU Leuven (Data centre ICTS Luna storage), which provides a daily automatic back up. Moreover, the data will be backed up on the Rega Institute Virtual Drives (Rega NAS (network adapted storage)) and on external hard-drives kept by the investigators.  |
|--|---|
| 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.  | <ul> <li>✓ Yes</li> <li>☐ No</li> <li>If yes, please specify concisely: Yes, the total storage space as described above is enough to accommodate the data of this project. Backups are made regularly and automatically. If needed, the ICTS service provides an option to apply for additional space.</li> <li>If no, please specify:</li> </ul> |
| How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?  CLEARLY DESCRIBE THE MEASURES (IN TERMS OF PHYSICAL SECURITY, NETWORK SECURITY, AND SECURITY OF COMPUTER SYSTEMS AND FILES) THAT WILL BE TAKEN TO ENSURE THAT STORED AND TRANSFERRED DATA ARE SAFE. 7                               | Research data are secured by the need for login registration on datacentre/luna and use of u-number and password, which are also restricted (KU Leuven). The research data generated at VITO is stored on a personal laptop with username and password, and backed up on the restricted VITO servers.   |

<sup>&</sup>lt;sup>7</sup> Source: Ghent University Generic DMP Evaluation Rubric: <a href="https://osf.io/2z5g3/">https://osf.io/2z5g3/</a>

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

Long-term data storage and costs will be managed by the principal investigator supervising the project, Sofie Struyf. The cost for data storage is 520 euro/TB/year, thus the accumulated cost for 4 years is approximately 2000 euro. The costs will be covered by previous funding obtained by the host lab and by the bench fee offered by the FWO PhD fellowship.

| 5. Data Preservation after the end of the Research Project   |  |  |  |
|--|--|--|--|
| Which data will be retained for at least five 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 generated during this project, raw or processed, will be stored for a minimum of 5 years, or longer if necessary.   |  |  |
| Where will these data be archived (stored and curated for the long-term)?  | The data will be stored redundantly during and after the research in our PCs, in external hard-drives, and in the KU Leuven data centers (ICTS Luna storage and Rega NAS (network adapted storage) and VITO servers. |  |  |
| What are the expected costs for data preservation during the expected retention period? How will these costs be covered?   | Long-term data storage and costs will be managed by the principal investigator supervising the project, Sofie Struyf. The expected cost for data storage is 520 Euro/terabyte/year.                                  |  |  |

|   | 6. 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.  Note that 'available' does not necessarily mean that the data set becomes openly available, conditions for access and use may apply. Availability in this question thus entails both open & restricted access. For more information:  https://wiki.surfnet.nl/display/standards/info-eu-repo/#infoeurepo-AccessRights | <ul> <li>Yes, in an Open Access repository</li> <li>☐ Yes, in a restricted access repository (after approval, institutional access only,)</li> <li>☐ No (closed access)</li> <li>☐ Other, please specify:</li> </ul>   |
| If access is restricted, please specify who will be able to access the data and under what conditions.  | Not applicable   |
| 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.   | <ul> <li>✓ Yes, privacy aspects</li> <li>☐ Yes, intellectual property rights</li> <li>☐ Yes, ethical aspects</li> <li>☐ Yes, aspects of dual use</li> <li>☐ Yes, other</li> <li>☐ No</li> <li>If yes, please specify: Pseudonymized patient metadata will only be made available to Lowie Adyns, to comply with privacy laws. The results of the relevant analysis will be made public, without giving away sensible patient information.</li> </ul> |

| Where will the data be made available? If already known, please provide a repository per dataset or data type.   | For transcriptomics we will use MAGE-TAB and submission to GEO, for proteomics MAGE-TAB-Proteomics before submission to the PRIDE repository (ref https://www.nature.com/articles/s41467-021-26111-3). |
|--|--|
| When will the data be made available?  This could be a specific date (DD/MM/YYYY) or an INDICATION SUCH AS 'UPON PUBLICATION OF RESEARCH RESULTS'.   | Upon publication of the research results: Sharable data will be made available immediately after publication and secured IP.   |
| Which data usage licenses are you going to provide? If none, please explain why.   | Data from the project that can be shared will be made available under a creative commons attribution license (CC-BY4.0), so that users have to give credit to the original data creators.              |
| A DATA USAGE LICENSE INDICATES WHETHER THE DATA CAN BE REUSED OR NOT AND UNDER WHAT CONDITIONS. IF NO LICENCE IS GRANTED, THE DATA ARE IN A GREY ZONE AND CANNOT BE LEGALLY REUSED. DO NOTE THAT YOU MAY ONLY RELEASE DATA UNDER A LICENCE CHOSEN BY YOURSELF IF IT DOES NOT ALREADY FALL UNDER ANOTHER LICENCE THAT MIGHT PROHIBIT THAT.  EXAMPLE ANSWER: E.G. "DATA FROM THE PROJECT THAT CAN BE SHARED WILL BE MADE AVAILABLE UNDER A CREATIVE COMMONS ATTRIBUTION LICENSE (CC-BY 4.0), SO THAT USERS HAVE TO GIVE CREDIT TO THE ORIGINAL DATA CREATORS." 8 |  |

<sup>&</sup>lt;sup>8</sup> Source: Ghent University Generic DMP Evaluation Rubric: <a href="https://osf.io/2z5g3/">https://osf.io/2z5g3/</a>

| Do you intend to add a PID/DOI/accession                   | ⊠ Yes □ No   |
|--|--|
| number to your dataset(s)? If already available,           | □ No   |
| please provide it here.                                    | If yes:  |
| INDICATE WHETHER YOU INTEND TO ADD A PERSISTENT AND UNIQUE |  |
| IDENTIFIER IN ORDER TO IDENTIFY AND RETRIEVE THE DATA.     |  |
|  |  |
| What are the expected costs for data sharing?              | Costs for internal sharing are redundant. Costs for the transfer of data to external parties are their own |
| How will these costs be covered?                           | responsibility.  |
|  |  |

| 7. Responsibilities  |   |  |
|--|---|--|
| Who will manage data documentation and metadata during the research project? | The promotors of this project will manage the data relevant to their part of the project, together with the local researcher Lowie Adyns. Lowie Adyns will be the only person to which the patient metadata will be made available, to comply with the ethical committee and privacy rules/contracts. |  |
| Who will manage data storage and backup during the research project?         | The promotors and the local researcher Lowie Adyns will be responsible for this.  |  |
| Who will manage data preservation and sharing?                               | The promotors and the local researcher Lowie Adyns will be responsible for this.  |  |
| Who will update and implement this DMP?                                      | The principal investigator (Sofie Struyf) and the researcher (Lowie Adyns) bear the responsibility for implementing the DMP. They will update the DMP anytime conditions change and a final reviewed DMP will be sent along with the final report.  |  |