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## Plan Overview

*A Data Management Plan created using DMPTuuli*

**Title:** Digital Academies in Africa (DAIA)

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### Project abstract:

The DAIA project is a dynamic initiative at the intersection of education, technology, and international collaboration. Rooted in South Africa, a significant market and gateway to the rest of Africa, our mission is two-fold: Addressing the critical shortage of skilled personnel through new forms of competence-based training and creating a competitive advantage for Finnish companies.

Collaborating companies and researchers from both Finland and South Africa are developing competency-based micro-credential training formats and scalable models tailored to the concrete training needs. With an estimated annual export growth potential ranging between EUR 50-80 million, the project serves as a catalyst for business expansion. The resulting innovative training solutions are expected to generate new business prospects.

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# Digital Academies in Africa (DAIA)

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## 1. General description of the data

**1.1 What kinds of data is your research based on? What data will be collected, produced or reused? What file formats will the data be in? Additionally, give a rough estimate of the size of the data produced/collected.**

With several research cases the project will have many different types of data, both quantitative and qualitative, and these include:

- Video and/or audio recordings of interviews in .mp3, mp4 formats, about 100 interviews in total
- Interview transcripts in .docx, .pdf formats
- Survey and questionnaire data, .xlsx format, paper forms that will be digitized
- Written field notes
- Observations recorded part of written field notes, or video observations.

Estimate total size of data: up to 1 Tb.

## 1.2 How will the consistency and quality of data be controlled?

Each researcher is responsible for controlling the quality of research data of their research case. The data for each case is collected by same researcher(s) with the same methodology.

## 2. Ethical and legal compliance

### 2.1 What legal issues are related to your data management? (For example, GDPR and other legislation affecting data processing.)

Data collected in the project includes personal information and thus is subject to GDPR. The rights participants have regarding their personal information will be informed to participants during acquiring research permits (informed consent). No sensitive information will be collected.

Data collected from South-Africa is subject to The Protection of Personal Information Act (PoPIA) if it includes personal information. Such data will be processed within south-Africa and preferably by local collaborators.

Anonymised data can be shared across borders.

The research setting does not require statement from the ethical review board at the moment.

### 2.2 How will you manage the rights of the data you use, produce and share?

The principal investigator of the project is responsible for agreeing data ownership and sharing and user rights with the research team.

## 3. Documentation and metadata

**3.1 How will you document your data in order to make it findable, accessible, interoperable and re-usable for you and others? What kind of metadata standards, README files or other documentation will you use to help others to understand and use your data?**

Research data will be organized according to research / company cases. Each company/case will have its own folder for case specific data in the group disk space. Each folder will include README files to document what data the folder includes and how to identify the data.

## 4. Storage and backup during the research project

### 4.1 Where will your data be stored, and how will the data be backed up?

During data collection:

- Survey / questionnaire data will be stored on secure UH services: elomake or webropol
- data can be temporarily stored on individual researchers' UH provided, password-protected personal computers if necessary, such as video or audio data from interviews. (University Access)

Physical material (i.e., manual data) will be stored in locked locker in PI's office. These will be digitized and stored with other data.

Final storage of all research data will be the University of Helsinki group disk space that is secure and has back-up service.

#### **4.2 Who will be responsible for controlling access to your data, and how will secured access be controlled?**

Only the research team has access to the data. Access will require username and password.

Access to physical material will require a key.

### **5. Opening, publishing and archiving the data after the research project**

#### **5.1 What part of the data can be made openly available or published? Where and when will the data, or its metadata, be made available?**

Towards the end of the project, the possibility of sharing anonymous data will be discussed with collaboration companies.

Software scripts to process and analyse data can be made publicly available in UH version control service version.helsinki.fi (GitLab).

#### **5.2 Where will data with long-term value be preserved, and for how long?**

No plans for long-term preservation of data.

### **6. Data management responsibilities and resources**

#### **6.1 Who (for example role, position, and institution) will be responsible for data management?**

Miikka Turkkila, doctoral researcher at the Faculty of Educational Sciences, is responsible for initial planning of data management. Individual researcher will be responsible for data management of their respective research cases.

#### **6.2 What resources will be required for your data management procedures to ensure that the data can be opened and preserved according to FAIR principles (Findable, Accessible, Interoperable, Re-usable)?**

N/A