DATA MANAGEMENT PLAN

# 1. Data description and collection or re-use of existing data

## How will new data be collected or produced and/or how will existing data be re-used?

The research is fully anonymous - no personal data is collected.

I. QUALITATIVE RESEARCH

Methods:

(i) online focus groups, (n=50; 5 waves with 10 players who frequently buy loot boxes)

(ii) in-depth online interviews (n=40)

(iii) netnography - until data saturation - approximately 40-60 hours - online participant observation

II. QUANTITATIVE RESEARCH

Method: panel survey - conducted on a panel of a research agency

III. EXPERIMENTAL RESEARCH

Method: experimental online survey

The following professional software will be used during the data analysis phase: IBM SPSS Statistics Premium, MPlus

and NVivo.

## What data (for example the types, formats, and volumes) will be collected or produced?

I. QUALITATIVE RESEARCH: 1. Recordings of online interviews - mp3, mp4; 2. Recordings of online participant behaviour

observations - mp4; 3. Transcriptions of qualitative interviews - doc; 4. Report - doc.

II. QUANTITATIVE SURVEY: 1. Matrix with preliminary and main quantitative survey working data - xls; csv or sav; 2.

Data matrix with coded responses from preliminary and main quantitative survey - xls; csv or sav; 3. Files with

aggregated results from analysis of quantitative data from main survey - xls, csv, sav; 4. Report - doc.

III. EXPERIMENTAL STUDY (QUANTITATIVE): 1. Matrix with preliminary data from pre-test and main quantitative survey

- xls; csv or sav; 2. Data matrix with coded responses from pre-test and main quantitative survey - xls; csv or sav; 3. Files

with aggregated results from analysis of quantitative data from main survey - xls, csv, sav; 4. Report - doc.

# 2. Documentation and data quality

## What metadata and documentation (for example methodology or data collection and way of organising data) will accompany data?

Data from the different phases presented in the detailed description of the study (phases I-III) will be grouped and

stored in separate folders: QUALITATIVE STUDY; QUANTITATIVE STUDY; EXPERIMENTAL STUDY. In addition, subfolders

will be created for the QUALITATIVE STUDY: FOCUS GROUPS; IDI; NETNOGRAPHY.

The metadata should include: Title of the project carried out (Loot boxes in video games: understanding, impact, and

regulation) No. of the project carried out and names of the project team: Brzozowska-Woś, Magdalena; Schivinski,

Bruno; Gołąb-Andrzejak, Edyta.

Selected data generated from experiments will be deposited in the MOST Wiedzy Open Research Data Catalog

(common name - Bridge of Data) – repository provided by the Gdańsk University of Technology - and described using

attributes compatible with general metadata standards. Metadata descriptions will be stored in JSON-LD format and

will include, whenever possible, Persistent Identifiers (PID), such as ORCID or GRID.

## What data quality control measures will be used?

The data collected in the process of each qualitative study will be controlled on an ongoing basis by the researcher, e.g.

by asking additional questions of the respondents and clarifying their answers. Data at the different stages of

quantitative research (phases II and III) will be examined for quality and will undergo a cleaning process. Data deemed

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# 3. Storage and backup during the research process

## How will data and metadata be stored and backed up during the research process?

Magdalena Brzozowska-Woś; Bruno Schivinski; Edyta Golab-Andrzejak. In addition, after the completion of each stage

of the study, a backup copy will be created on an external drive held by the Project Manager.

anonymised. 4 copies of data from each stage of the project ensure that it is protected from possible loss.

## How will data security and protection of sensitive data be taken care of during the research?

# 4. Legal requirements, codes of conduct

## If personal data are processed, how will compliance with legislation on personal data and on data security be ensured?

Nie dotyczy

## How will other legal issues, such as intelectual property rights and ownership, be managed? What legislation is applicable?

Resolution of the Senate of the Gdańsk University of Technology No. 117/2021/XXV of 19 May 2021

https://link.pg.edu.pl/GdańskTech\_intprop

The results of the research will be published in scientific articles in reputable journals at the end of each phase of the

Articles will be published under a CCBY licence.

# 5. Data sharing and long-term preservation

## How and when will data be shared? Are there possible restrictions to data sharing or embargo reasons?

Data will be shared with the Gdansk University of Technology's repository: MOST Wiedzy Open Research Data Catalog

(common name Bridge of Data).

Selected data will be shared when the article based on it is published.

## How will data for preservation be selected, and where will data be preserved long-term (for example a data repository or archive)?

As far as long-term data storage is concerned, data shared on Bridge of Data will be stored indefinitely, while other

data will be stored for 10 years on a hard drive and made available upon request. The Bridge of Data is CoreTrustSeal

certified, which confirms the repository's trustworthiness and sustainability.

## What methods or software tools will be needed to access and use the data?

The data will be gathered and made available in file formats that can be processed by free or open-source software.

## How will the application of a unique and persistent identifier (such us a Digital Object Identifier (DOI)) to each data set be ensured?

The Bridge of Data provides each dataset a DOI identifier.

# 6. Data management responsibilities and resources

## Who (for example role, position, and institution) will be responsible for data management (i.e the data steward)?

The Open Science Competence Centre of the Gdansk University of Technology Library

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## What resources (for example financial and time) will be dedicated to data management and ensuring the data will be FAIR (Findable, Accessible, Interoperable, Re-usable)?

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