D7.9 Data Management Plan

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3D-games for TUNing hEarINg aids

3D Tune-In: 3D-games for TUNing hEarINg aids

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Work Package 7

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Abbreviations and Acronyms

3DTI	3D Tune-In
DMP	Data Management Plan
DMU	De Montfort University
EU	European Union
GN	GN Hearing
ICL	Imperial College London
NLK	Nerlaska, S.L.
Reactify	Reactify Music
SME	Small and Medium-sized Enterprise
UMA	University of Malaga
UNott	The University of Nottingham
VIA	Vianet
WP	Work Package
XTeam	XTeam Software Solution

Executive summary

This is public deliverable D7.9 of the H2020 project 3D Tune-In (3DTI - 644051). This work was carried out as part of WP7 Project Management.

3DTI takes part in the Open Access Research Data Pilot which aims to improve and maximise access to and re-use of research data generated by projects. D7.9 – Data Management Plan outlines the project's approach towards making research data available in the public domain.

Section 1: Introduction

As outlined in Article 29.3 of the 3DTI Grant Agreement, beneficiaries must deposit project data in a research data repository and take measures to make it possible for third parties to access, mine, exploit, reproduce and disseminate data free of charge.

Data includes associated metadata needed to validate the results presented in scientific publications, and any other kind of data as specified in this Data Management Plan (DMP). Moreover, beneficiaries must provide information (via the repository) about tools and instruments necessary for validating the results (and - where possible - provide the tools and instruments themselves).

This does not change the obligation to protect results, adhere to confidentiality and ethics considerations, security obligations or the obligations to protect personal data. As an exception, beneficiaries do not have to ensure open access to specific parts of their research data if this can compromise the achievement of the action's main objectives, as described in Annex 1. In this case, the data management plan must contain the reasons for not giving access.

This deliverable describes the DMP for 3DTI. The purpose of the DMP is to provide an analysis of the main elements of the data management policy that will be used by the beneficiaries. The Project's approach towards data management is outlined in close accordance with the EU's Guidelines for Data Management (**http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hoa-data-mgt_en.pdf**).

This deliverable will be updated at regular intervals.

Section 2: Data Types

3DTI will produce four types of data (D1-2-3-4) to be included in the Open Access Research Data Pilot.

2.1: Software (D1)

The software production of 3DTI is divided in three separate stages. Firstly, all partners will work towards the creation of a 3D Tune-In Toolkit, which will comprise 3D audio and video engines, a haptic engine, hearing aid emulators, evaluation tools, human-computer interfaces and game scenarios. The Toolkit will then be used to create 5 separate applications - each application will be linked with a specific commercial partner, and will involve all the academic partners.

D1.1   The Toolkit will serve as a basis for building specific applications, and will be shared as open source software. Once ready, the Toolkit, including relevant documentation, will be made available to the public, as described in Sections 3 and 4 of this report.

D1.2   In order to address the concerns of the commercial partners related to sharing sensitive information about their products and services (e.g. GN Hearing sharing sensitive information about their hearing aid devices) and potential clashes in the market in terms of competitors having similar tools, the 3DTI applications will not be open source, and will not be part of the Open Access Research Data Pilot.

D1.3   During the project, several demonstration and testing platforms will be created. These will include simple interfaces to use the Toolkit, testing platforms to evaluate its various functionalities, and tools/interfaces for demonstration purposes. These, including relevant documentation, will be made available to the public, as described in Sections 3 and 4 of this report.

2.2: Subjects' data (D2)

Within 3DTI three separate activities will be carried out in which individuals will be involved for evaluation and testing purposes.

D2.1   Qualitative analysis for the participatory design stage (WP1).
D2.2   Quantitative analysis for the technical development stage (WP2).
D2.3   Quantitative and qualitative analysis for the evaluation stage (WP4).

Considering the sensitive nature of this data type, special attention will be put in sharing it with the general public. In particular, data in which individuals could be potentially recognised (e.g. quantitative analysis for the participatory design and evaluation stages) will not be included in the Open Access Research Data Pilot.

Advise from the Quality Manager, Ethics Coordinator and external Ethics Advisor will be sought before making public any data within this category (D2).

2.3: Scientific publications (D3)

All scientific publications produced within the 3DTI project will be included in the Open Access Research Data Pilot where this does not contravene any copyright issues and will be made publicly available.

2.4: Dissemination material (D4)

All dissemination material produced within the 3DTI project will be included in the Open Access Research Data Pilot, and will be made publicly available.

Section 3: Data repositories

3DTI will employ two separate data repositories in order to comply with the Open Access Research Data Pilot.

Before the public release (schedule in Section 4), every partner will be responsible for archiving the data they produced on local hard-drives, which will be regularly backed up.

3.1: 3DTI Website (DR1)

The 3DTI website (http://www.3d-tune-in.eu) is live since July 2015, and contains an *Open Access Research Data* section, as well as a *Downloads* section. The 3DTI website will be locked at the end of the project (May 2018), and will be kept available at the same URL for 10 years after that date.

3.2: Zenodo (DR2)

Zenodo (http://zenodo.org/) is an open dependable home for the long tail of science, enabling researchers to share and preserve any research outputs in any size, any format and from any science.

An account in Zenodo will be created for 3DTI, and the repository will be used for sharing 3DTI data.

Section 4: Data Management Plan

Here follows the provisional timetable for the public release of the data produced by the 3DTI project. The schedule is based on the three Open Access Research Data pilot deliverables (D7.6-D7.7-D7.8), which are due in M12-24-36.

Both DR1 and DR2 repositories will be used for sharing the data with the public.

Project Task	Data set type and name	Notes	Publicly available from
T1.3 - Specification of 3D-Tune-In Toolkit T2.1 -Development of the audio rendering engine	D1.3 - Demonstration and testing platforms, with documentation		M12 M24 M36
T1.3 - Specification of 3D-Tune-In Toolkit T2.1 -Development of the audio rendering engine	D2.2 - Quantitative analysis for the technical development stage	Only non-sensitive data where subjects are not identifiable will be shared.	M24
WP2 - Development of the 3D Tune-In Toolkit (T2.1-T2.2-T2.3-T2.4)	D1.1 - 3D Tune-In Toolkit		M24
WP4 - Evaluation and validation (T4.2-T4.3)	D2.3 - Quantitative and qualitative analysis for the evaluation stage	Only non-sensitive data where subjects are not identifiable will be shared.	M36
All WPs	D3 – Scientific publications	These will also made available through public repositories of the various partner institutions.	M12 M24 M36
All WPs	D4 - Dissemination materials		M12 M24 M36