This project has received funding from Horizon 2020, European Union's Framework Programme for Research and Innovation, under grant agreement No.831138

SCENE

Smart City on the Edge Network Enhancement

D6.2 – Data Management Plan

SCENE Project

Grant Agreement No. 831138

Call H2020-EIC-FTI-2018-2020 "Fast Track to Innovation"

Topic EIC-FTI-2018-2020– Fast Track to Innovation (FTI)

Start date of the project: 1 December 2018

Duration of the project:24 months

Disclaimer

This document contains material, which is the copyright of certain SCENE contractors, and may not be reproduced or copied without permission. All SECENE consortium partners have agreed to the full publication of this document. The commercial use of any information contained in this document may require a license from the proprietor of that information. The reproduction of this document or of parts of it requires an agreement with the proprietor of that information. The document must be referenced if used in a publication.

The SCENE consortium consists of the following partners.

No.	Name	Short Name	Country
1	VISIONWARE - SISTEMAS DE INFORMAÇÃO, SA	VISIONWARE	PT
2	JCP-CONNECT SAS	JCP-C	FR
3	ALMAVIVA - THE ITALIAN INNOVATION COMPANY SPA	ALMAVIVA	IT
4	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	CEA	FR
5	AZIENDA METROPOLITANA TRASPORTI CATANIA SPA	CAT	IT

Document Information

Project short name and number	SCENE (AMD-831138-1)
Work package	WP6
Number	D6.2
Title	Data Management Plan
Version	V1.0
Responsible partner	VisionWare
Type[1]	R
Dissemination level[2]	PU
Contractual date of delivery	30.06.2019
Last update	12.07.2019

---

[1]**Types.R:** Document, report (excluding the periodic and final reports); **DEM:** Demonstrator, pilot, prototype, plan designs; **DEC:** Websites, patents filing, press & media actions, videos, etc.; **OTHER:** Software, technical diagram, etc.
[2]**Dissemination levels.PU:** Public, fully open, e.g. web; **CO:** Confidential, restricted under conditions set out in Model Grant Agreement; **CI:** Classified, information as referred to in Commission Decision 2001/844/EC.

Document History

Version	Date	Status	Authors, Reviewers	Description
v 0.01	11/06/2019	Draft	JCP-C	First draft with H2020 DMP template
v 0.02	11/06/2019	Draft	VIS	First revision
v 0.03	04/07/2019	Draft	JCP-C	Proposition of a few additional inputs together with comments on v0.02
v 1.0	12/07/2019	Final	VIS	Final revision
v 0.01	11/06/2019	Draft	JCP-C	First draft with H2020 DMP template

Acronyms and Abbreviations

Acronym/Abbreviation	Description
DMP	Data Management Plan
DPIA	Data Privacy Impact Assessment
EU	European Union
IoT	Internet of Things
PM	Person-month

Contents

1 EXECUTIVE SUMMARY

The SCENE project produces, collects or processes research data. Therefore, SCENE partners developed a single Data Management Plan (DMP) for the project to cover its overall approach.

In general terms, research data should be 'FAIR', that is findable, accessible, interoperable and re-usable. These principles precede implementation choices and do not necessarily suggest any specific technology, standard, or implementation-solution.

As part of task 6.4. of SCENE project, the DMP is intended to be a living document in which information can be made available on a finer level of granularity through updates as the implementation of the project progresses and when significant changes occur.

The present DMP contains the information about the type of data used in SCENE and how making data findable, openly accessible, interoperable and reusable in SCENE. Allocation of resources, data security and ethical aspects are also presented.

2 INTRODUCTION

D6.2. "Data Management plan (DMP)" is part of task 6.4. "Data Management Plan" led by VIS and mobilising all SCENE partners.

The consortium opted to participate in the *Pilot on Open Research Data in Horizon 2020* thus the formulation of this DMP to address the relevant aspects to make data FAIR – findable, accessible, interoperable and re-usable.

Expected at the end of month 7, i.e. end of June 2019, the purpose of the Data Management Plan is to provide an analysis of the main elements of the data management policy that will be used by SCENE with regard to all the datasets that will be generated by the project. This deliverable is not static and will be updated regularly based on received feedback and this first version should be understood as a first approach to issues that the consortium will handle more in-depth over the next months as it becomes more clear what kind of data it is expected to generate and handle.

3 DATA SUMMARY

SCENE will develop an integrated solution based on vehicular networks for a secured environment that securely collects, and process sensor data based on IoT oriented technologies and analysis the collected data through its service environment and deliver/perform the necessary reactions through a content delivery platform that deploys suitable protocol stack for secured content delivery.

SCENE IoT sensors and content delivery gateways will be tested in the pilot trials with the involvement of human participants, which might lead to the collection and processing of personal data of such participants. The consortium will only allow adults who are capable to give informed consent to take part in the pilots. Furthermore, a DPIA assessment for each pilot will be produced.

While user participation is important to develop the technology, only aggregated data will be collected.

Apart from user-generated data, at the moment it is foreseeable that most data generated in the project will be of technical nature. The data generated aims at optimizing the system, providing benchmark and Quality of Service indicators as well as giving clues to problems (such as communication delays, for example) in the working of the system.

This data may come in different types of format and will be generated by the components of the system and analysed during development and the pilots in order to provide input for improvements and needed changes.

4   FAIR DATA

4.1   Making data findable, including provisions for metadata

It has yet to be determined if the generated data, in quality and in volume, will make it worth to apply metadata and digital identification data standards and vocabulary or data quality assurance processes.

4.2   Making data openly accessible

WP6 partners will figure out which data will be made openly available at a later stage in the project. They will also consider how the data will be made accessible, what methods or software tools are needed to access the data, and the necessary corresponding documentation.

4.3   Making data interoperable

The consortium has yet to work on this issue but will pay attention to interoperability issues, namely the usage of open data file types.

4.4   Increase data re-use (through clarifying licences)

Once SCENE has a final and complete set of data, WP6 partners will document if, which and how data can be re-used.

5   DATA SECURITY

The project has a detailed security documentation (in WP5 and its deliverables) to ensure data security and privacy protection compliance. Relevant parts will be added to this document if applicable.

6 ETHICAL ASPECTS

During the project field trials with actual users, some user data may be collected for the use of the project. This will include different types of data such as users-oriented data, communications-oriented data, services-oriented data, and other types of data that might be generated for different types of applications. If the data is preserved, it will be saved for analysis and research purposes or for auditing reasons. In all cases, user personal data will be kept in an anonymous way respecting the EU laws and the agreements with users (T1.1).

Anonymisation or pseudonymisation procedures will be described in the respective DPIAs, and so will technical and organisational measures used to safeguard rights and freedoms of data subjects. The detailed data preservation policy will be public and accessible to all users through service providers. The following table shows the ethics impact explanation.

7 FUTURE DEVELOPMENTS

After the final version of SCENE modules design specifications (M15), this document will be updated to reflect the full Data cycle the project predicts to generate and needs to manage.

8 CONCLUSION

SCENE will follow the measures to preserve anonymity and appropriately curate the collected data. The aim is to gather data valuable for technological and scientific evaluation of the project achievements, while respecting privacy-related issues and legislation. All data regarding the project will be stored in secure servers, taking all available measures to protect them. Access to the collected data will be provided to members of the SCENE consortium for development and demonstration purposes only.