

Data Management Plan [UTOPIA]

UTOPIA is a user-friendly software framework for smart agriculture – a farming method that has the potential of increasing the yield per square meter by means of automated agricultural machinery providing the crops with the precise treatment that they need. The aim of UTOPIA is to make smart agriculture more accessible, affordable and user-friendly.

This project is part of the ERA-NET Cofund ICT-AGRI-FOOD, with funding provided by national sources; Ministry of Agriculture, Nature and Food Quality, The Netherlands; Research Foundation – Flanders (FWO), Belgium; Scientific and Technological Research Council of Turkey (Tübitak), Turkey, and co-funding by the European Union’s Horizon 2020 research and innovation program, Grant Agreement number 862665

Data will be gathered throughout the project and generated in laboratories, test-sites and farms. Generated data from sensors will not contain personal information, nor any details which could identify a person. Gathered data will also come from interested and contacted stakeholders. This document describes the usage, curation and preservation of this data.

Contact the coordinator of the project with any question or request regarding collected data: D.G. Kooijman (info@utopia-project.eu) from Intelligent Autonomous Mobility Center, with its registered seat in Eindhoven, The Netherlands.

Overview

The following data is currently foreseen to be collected:

Table 1: [Confidential=CO, Public=P, Removed after project=R, Retained=K]

Data	Type:	Standard	Curation	Preservation	Why CO?
UTOPIA web-form	CO	MySQL	IAM & AQ	R	Contact-data
Measurement data Seaweed use-case (demo & tests)	CO	ASCII, JSON, XML, UTOPIA, etc.	UTOPIA private Cloud server	R*	*
Measurement data Vineyard use-case (demo & tests)	CO	ASCII, JSON, XML, UTOPIA, etc.	UTOPIA private Cloud server	R*	*
Derived/generated data (processed data)	P & CO	ORION/UTOPIA	WP leaders	K	**
Contact details Farmers & Organizations <i>a</i>	CO	XSL	IAM & AQ	R	
Questionnaires & workshop outcomes <i>b</i>	CO	-	AQ & BU	K	
Project documents	CO	-	All (Google drive)	K	
Source-code	P	tbs.	Github, WP leaders	P	

*Necessity of keeping data confidential will be assessed after the project. Our goal is to have as much data be available for other interested parties. In some cases data cannot be disclosed because of intellectual property rights of parties as farmers and plant breeders.

** Public after approval from the farmer.

b Distributed by the use-case providers individually: Aqitec (EU, Seaweed UC), and Bosphorus University (non-EU, Vineyard UC). Only processed, anonymous results are exchanged with the partners. Outcomes are anonymized (removal of name and email in document after processing).

a Data is stored on the password protected, encrypted local computer, and is limited to contact-details, institution and sector. Data is not shared with other partners, except for anonymous statistics.

An UTOPIA private Cloud server is set up as an online collaboration tool as a repository for project documents to facilitate document exchange.

WP 4 and 7 together address challenges arising from the need to transmit, integrate, analyse and interpret vast quantities of static and dynamic, monitored and modelled data from various sources which are highly diverse, spatially and temporally varying. Due to the nature of the project, it is important that all data will be accessible by all partners, for both use-cases. The conditions for the access are presented in table 1.

The Data Management Plan naturally evolves and gains precision and substance over the project life-span, and will be updated accordingly.

Website contact-form

UTOPIA provides a contact form on their website for interested parties and (possible) stakeholders within the project scope to get in contact.

The information gathered is:

First name

Last name

Email address

Phone number

Your message

The contact form allows people to get in contact with the UTOPIA project and its partners to retrieve information relevant to the project or to ask for an update on the progress of the project. It also allows people to provide relevant information to the project. The contact form is a means to get in contact. It is not intended as a subscription to a newsletter or to receive frequent updates and is not used to create a mailing list.

The UTOPIA project consortium is committed to protecting personal data and handling it with the utmost care in order to safeguard the privacy of those concerned.

The UTOPIA project consortium will always strive for the shortest possible retention period of relevant data. The personal data will be discarded after project-end at the latest.

The UTOPIA project consortium will not exchange personal data with third parties. Personal data that allows for a third party to trace an individual person will only be supplied to a third party when this is required by law; when this is necessary for the fulfilment of a contract with the data subject; or when the data subject has given his or her explicit, informed consent to the transfer of the data.

The “General Data Protection Regulation” grants individuals rights with respect to the way their personal data is handled and protected. Individuals may, for example – depending on the legal basis for the processing of their personal data and dependent on the fulfilment of certain conditions – exercise a right to:

- Inquire as to what personal data is processed and, when the data is provided to the project by a third party, inquire into the source of this information.
- Request the correction of data insofar as it is incorrect.
- Object to the processing of his or her data.
- Know of the existence of possible automated decision making processes, and, when these are used to create profiles, inquire into the logic underlying these processes, the purposes they serve, and their consequences.
- ‘Be forgotten’ by an institution that has processed their personal data.

Version	Change
01/07/20	Original version proposal.
31/08/21	<ul style="list-style-type: none"> - Cross EU-Border limitations for questionnaires & workshop outcomes have been made more explicit. - Curation contact details Farmers & Organization updated
11/01/22	Web-form details plan explicit in DMP. Added introduction text.