



“NOVEL INTEGRATED SOLUTION OF OPERATING A FLEET OF DRONES WITH MULTIPLE SYNCHRONIZED MISSIONS FOR DISASTER RESPONSES”

ResponDrone

D1.6 “POPD – Requirement No.6”

Project Deliverable Report

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1. Executive Summary

This deliverable provides detailed information on the data acquisition principles that every partner of the consortium is required to adhere to. Data is being collected according to the data minimization principle, which means that only data relevant for the purpose of the respective study is being collected.

2. Introduction

This document describes the data acquisition principles of the partners involved in the ResponDrone project in detail.

3. Data collection

This section presents the data that is being collected from the research participants. In ResponDrone several studies are planned, each of which is presented below.

3.1 End user interviews & surveys

In the end user interviews which are especially meant for the derivation of requirements for the system to be developed within ResponDrone, participants from the end user partners of the ResponDrone consortium will be asked questions regarding the experiences in first responder's mission planning and requirements, work flow, data flow and requirements, drone operations, technological drone architectures, and related technologies. In order to enable efficient analysis of the data, the interviews will be recorded and transcribed.

Surveys will be conducted on specific issues in emergency response, drone operations or related topics in order to comply with the data minimization principle implemented to the project.

3.2 Workshops

During the course of the project several workshops will be conducted, in which the end users and participants from the system developing partners will be brought together to exchange thoughts, visions and ideas and exchange experiences. The outcomes of the workshops will be recorded in documents, presentations, wallpapers and photographs. The data acquired during the workshops will serve as information for the specific purpose of developing the system according the needs and visions of the end users.



3.3 Training program testing

One work package in ResponDrone is dedicated to the development of virtual reality based training programs for the ResponDrone system. The training program will be validated and tested with the end users of the consortium. The participants will provide feedback regarding the developed training programs. The data gathered in this exercise will serve to further refine the developed training program.

3.4 Large scale demonstration

In order to evaluate the developed ResponDrone system in the field a large-scale demonstration is planned. The demonstration will include the simulation of a disaster and the end users of the consortium will be asked to participate in this exercise. For the purpose of system evaluation, the participants will be asked to provide feedback and will be asked questions regarding the system, its functionality as well as its usability. Furthermore, video recordings and photographs will be taken (informed consent will be collected prior to participation). These data are crucial for deriving objective measures by which the benefit and the usability of the developed system can be assessed.

3.5 Further studies

If the need arises for further studies, these studies will comply with the data minimization principle as described in the previous sections.

3.6 Personal data

Personal information that will be obtained (informed consent will be collected prior to participation) and processed will be limited to the following data:

- Name, professional affiliation, age range and contact information.
- Personal and professional views and experiences as they relate to the RESPONDRONE activities.
- Photographs, audio, and/or video recordings of their participation in RESPONDRONE research activities (e.g. documentation of discussions in workshops or activities in demonstrations).

3.7 Assurance of compliance to the data minimization principle

All partners of the ResponDrone consortium are required to adhere to the data minimization principle as described in this document and shall only collect the data listed in the previous sections.





4. Conclusion

Data collection in ResponDrone follows the data minimization principle and thus only data that is relevant for the respective research goals will be collected. The data that will be collected and the respective research aims for which the data provides information were presented in the previous sections. All partners of the ResponDrone consortium are required to adhere to the data minimization principle.

