



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

## ResponDrone

### D1.1 “H – Requirement No.1”

Project Deliverable Report

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## 1. Executive Summary

This deliverable provides a description of the procedures and criteria that were and will be used to identify and recruit research participants for the research studies conducted within ResponDrone. For the planned research studies only end user partner organizations that are part of the ResponDrone consortium will be recruited as research participants.

## 2. Introduction

Studies in which human research participants are used require a thorough description and justification of the procedures and criteria that are used to identify and recruit the research participants. These descriptions need to provide information on the rationale behind the recruiting procedure.

## 3. Research participants in ResponDrone

In situations where a problem (in ResponDrone: the system to be designed) is complex, not well-defined and there are many stakeholders, it is particularly hard to design a system that satisfies all requirements. A big challenge for the system developers is to align the functionality of the new system with the actual needs of the end users, which in case of ResponDrone are first responders. In order to avoid building a system that correctly meets what the system developers deem to be valid requirements but fails to address actual requirements of the first responders, the integration of actual first responders into the development process is crucial. By constantly and frequently validating the system against the point of view of the first responders it shall be ensured that the developed system will be reasonable and usable.

As such, the research participants that help in designing, developing and evaluating the ResponDrone system shall be people who are occupied at a first responder organization and have experience in actively conducting first response missions. In order to enable a closely coordinated development process between the first responders and the system developers, various first responder organizations from different countries were asked to join the ResponDrone consortium already in the proposal preparation phase of the project. For the studies conducted within ResponDrone the first responders will only be recruited from the first responder organizations that are part of the ResponDrone consortium.

## 4. Recruitment criteria

Based on the recruitment strategy outlined in the previous section, the procedures and criteria for recruitment of research participants in ResponDrone are the following:

- The research participants shall be people who are occupied at a first responder organization.



- The research participants shall have experience in actively conducting first response missions.
- The research participants shall belong to one of the first responder organizations of the ResponDrone consortium.
- The research participant pool shall be multi-national and mostly European due to ResponDrone being funded by the EU
- The research participants will participate voluntarily in the studies

The first responder organizations of the ResponDrone consortium are depicted in Table 1.

Table 1. End user organizations of the ResponDrone consortium		
End user	Abbreviation	Country
Haut Comité Français pour la Défense Civile	HCFCDC	France
National Emergency Management Authority	NEMA	Israel
Fire Fighter Department of Corsica	SIS2B	France
Safety Region Haaglanden	VRH	Netherlands
State Fire and Rescue Service of Latvia	SFRS	Latvia
Ministry of Emergency Situations	MES	Armenia
Region of Western Macedonia	RWM	Greece
Region of Central Macedonia	RCM	Greece
Regional Administration of Varna	RAV	Bulgaria

## 5. Conclusion

This deliverable outlined the criteria by which research participants will be recruited for the studies that are planned to be conducted in ResponDrone. All research participants will be recruited from the first responder organizations that are part of the ResponDrone consortium and who have experience in conducting first response missions.

