

One flood simulation developed

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1. Introduction

One flood simulation developed D 5.9.3., was carried out as part of the final exercise, June 16, 2023. It was held in hall, Karlovac County, A. Vraniczanya 2, 47000 Karlovac. Operational forces of the civil protection system of the Karlovac County participated. The contractor is the voluntary fire company Karlovac, a simple procurement was carried out and the contract was signed on May 29, 2023. Performed on June 16, 2023.

2. One flood simulation developed

Flood simulation was created from previous experience and collected data to test new technology and Integrated Flood Management System. The exercise started with the notification of the Civil Protection Center 112, via SMS. The connection and operation of the telemetry system, video surveillance system, siren system and radio communication system using radio stations (TETRA device) are shown through the geoinformation system.

The county exercise of the civil protection forces of the Karlovac County is a field exercise that takes place in real locations, with as realistic simulations as possible of operations in conditions of large floods. This results in risks for the participants that can be classified according to the following:

- risks arising from the location
 - o work in open space
 - o working indoors
 - o work on steep terrain
 - o work in a forest area with dense vegetation
 - o work at height
- risks of performing operations
 - o the mass of the exercise by the number of participants
 - o work with devices and equipment of different purposes
 - o working with combustible materials in the simulation of fire development
 - o work with dangerous substances

Based on the identified risks for all participants of the exercise, risk reduction measures are prescribed:

- mandatory use of personal and protective equipment when working
- act extremely cautiously and thoughtfully when working
- when working, observe the safety measures and procedures prescribed by the internal acts of the organizations from which the participants come
- when working, observe the safety instructions on working with devices, equipment and techniques
- any group that takes over a task from a security officer should be warned to comply with security measures

Figure 1. One flood

simulation



was developed - start with SMS



Figure 2. One flood simulation was developed - working

Figure 3. One flood simulation was developed - working

3. Conclusion

All operational forces of Karlovac County were involved in the flood simulation. Notification of the exercise should be sent to all representatives of the operational forces participating in the exercise via ŽC 112 by sending an SMS message. The content of the message can be:

- "Beginning of exercise STREAM - FLOOD 2023."
- "Interruption of exercise STREAM - FLOOD 2023."
- "Completion of exercise STREAM - FLOOD 2023."

In the event that an unforeseen situation occurs during the exercise, which endangers the safety of the participants, the head of the sector calls Headquarters and conveys the content message: "This is not an exercise (name of sector). Information about what it is about". After receiving the message, the headquarters commander makes a decision on what to do depending on the type and extent of the unforeseen situation.