

Cluster 3: Technical Tools for Disaster Risk Management

Project SI DRM AI (Track 1) – Reorganization of information and communication system in the field of disaster risk management with the use of artificial intelligence

Kick off meeting, Brussels (online), 23 March 2022



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General information - SI DRM AI

➤ **Title of the project:**

SI DRM AI – Reorganization of information and communication system in the field of disaster risk management with the use of artificial intelligence

➤ **Duration:**

24 months (April 2022 – March 2024)

➤ **Budget:**

583.300,00 € (EU contribution: 464.265,00 €)

➤ **Beneficiary:**

Administration of the Republic of Slovenia for Civil Protection and Disaster Relief
- competent national civil protection authority

Objectives – SI DRM AI

- **The objective** of the project isto provide **scientific basis (research and development study)** for the **reorganisation of information and communication system** in the field of disaster risk management (DRM) in Slovenia
 - in order **to adapt to new risks** (climate change related, multi hazard, including pandemic)
 - through **providing new services and technical tools in order to improve efficiency, safety and cost optimization of the ITK systems**
- **The goal:** to prepare a **new, next generation information system for data collection, evaluation, processing and presentation by including artificial intelligence (AI) to support the process of response to natural and other disasters.**
 - The system should support the majority of the involved stakeholders in the process (i. e. emergency call operators, Civil protection headquarters, rescue services), and facilitate the preparation of data for public notification and alarming. **The final product will encompass a single platform for data presentation on different levels.**



Activities - SI DRM AI

The **research and development study** will be divided in **four components**, each contributing to general or/and specific objectives:

- **Analysis of risk detection and actions to address the consequences of sudden events** that threaten the operation of DRM system from information-communication processes aspect (analysis of resilience of information-communication system in the field of disaster management)
- **Study and preparation for adjustment of information and communication processes** for disaster response with a view of the consequences of climate change and pandemics
- **Study on using artificial intelligence (AI)** to support decision-making, situation awareness and response processes in DRM
- **Drafting a new concept and plan** for information and communication system operation in the field of DRM

Expected outcomes – SI DRM AI

Four main outcomes:

1. **Guidelines for ensuring operational continuity** and recovery after a sudden event
2. **Guidelines for reorganization of regional emergency notification centres** in the light of the effects of climate change and pandemics
3. **A study of the use of artificial intelligence to support decision-making and response processes**
4. **Plan of a new organization of information and communication system** for disaster management

Thank you!



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