



COLLaborative network on unmanned AeRIal Systems (UAS) and their applications in the field of disaster response



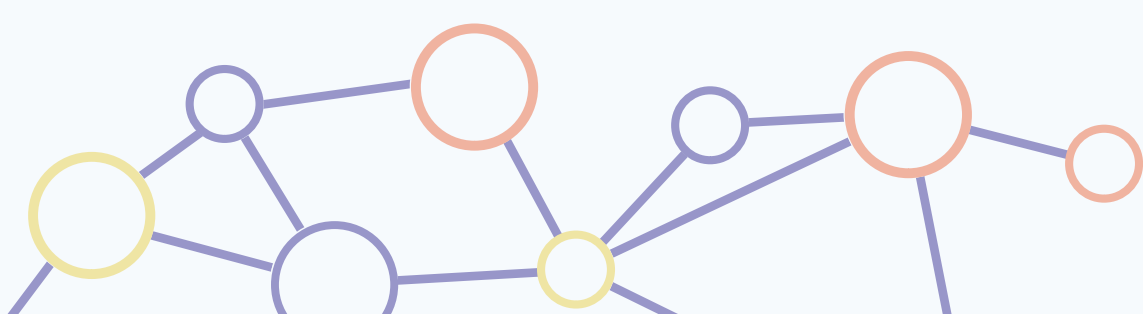
Starting point

Scientific advances as well as Unmanned Aerial Systems (UAS) technology such as drones have become indispensable in all phases of the disaster risk management cycle. The rapid development of UAS technology represents a fantastic opportunity for first responders and crisis management professionals for better reconnaissance, increased situational awareness and improved coordination of activities.

Networking goals

COLLARIS will establish a multidisciplinary networking platform focused on Unmanned Aerial Systems (UAS). In line with the Union Civil Protection Knowledge Network objectives it will bring together civil protection and crisis management stakeholders - both individuals and institutions who will use their competences and experience to contribute to building and sharing of knowledge, expertise and skills in the chosen domain.

Consortium



Thematic lines and results

- Overview of standard operating procedures and best practices of using UAS
- Air traffic management challenges and expected new developments of UAS capabilities
- Overview of solutions for data analysis and data sharing
- Overview of existing auxiliary support systems, recommendations for using simulators
- Set of universal training materials

Activities

- Continuous networking activities, e.g. moderated discussions
- Thematic workshops, mostly in online form
- Research activities comprising of thematic mini-studies and a small foresight study

Trials

- Trials as field events:
 - two trials that will use field experiments taking place in Poland
 - one trial in Austria focused on the elaborated future scenarios and use cases
- Trials as simulations and trainings:
 - one trial focused on the use of training simulation methods
 - two trials on selected topics resulting from thematic discussions and workshops

Learn more

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Project management:
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