

WHAT IS HEIMDALL ABOUT?

It is a cooperative multi-hazard management tool which provides data exchange, scenario building and situation assessment functionalities for preparedness and response planning in relation to wildfires, floods and landslides

WHY IS HEIMDALL IMPORTANT?

Bearing in mind that climate change is amplifying natural disasters impacts, intensity and duration of extreme weather events in Europe and worldwide, we consider a need to build up a tool in order to foster knowledge and data exchange to cope with complex crisis situations which require participation, coordination and cooperation of multiple first-responder organizations and international aid.

WHAT ARE HEIMDALL OBJECTIVES?



Improve data and infor- **Provide** a better mation access and shar- understanding of the ing among the involved emergency situation stakeholders, including by using advanced the population and first methods for realistic responders in the field, multi-disciplinary for emergency planning scenario(s) - building, and management.



risk and vulnerability assessment, information sharing and response planning.



Recognise the value of information by advanced data fusion, situation assessment and decision support tools.

CONTACT



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Multi-hazard Cooperative Management tool for data exchange, response planning and scenario Building **(**



PROJECT TIMELINE

May 2017

Project kick off.

July 2017

1st End User Workshop.

June 2018

1st EU Review Meeting.

October 2018

1st System Demonstration and 2nd End User Workshop.

April 2019

2nd System Demonstration and 3rd End User Workshop.

June 2019

2nd EU Review Meeting.

October 2019

3rd System Demonstration and 4th End User Workshop.

March 2020

Final System Demonstration.

October 2020: End of Project

PARTNERS

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HOW DOES HEIMDALL WORK?



Different HEIMDALL data sources, drones, earth observation and landslide in-situ sensors

TETECT an incident and gather information



User considers POLICIES
and procedures, checked with the
HEIMDALL database



Scenario MATCHING
provides similar situations from
the database



HEIMDALL decision SUPPORT
tools provide information on options
and contingencies



HEIMDALL COMMUNICATION
systems send relevant information
to users on the field and inform the
public

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Simulation provides a
FORECAST of the
situation development



Scenarios, response plans and decisions are SHARED between organizations at national and international level



Situation and impact assessment tools help the user to analyse

CONSEQUENCES and possible futures of a situation to develop the best-suited working strategy



HEIMDALL STORES
response plans, decisions
taken and lessons learnt