

Disaster Preparedness Checklist for Health Systems in Mountain Areas

May 13, 2025



Agenda

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Disaster Preparedness Checklist: methodology

Pilot and next steps



About Mountadapt

MOUNTADAPT is a Horizon Europe project aiming to boost the **community-driven resilience** of the health system in European mountain areas, **mitigating the impact of climate change on public health**.

Leveraging the expertise of **27 partners**, including healthcare facilities, public authorities, innovators, and researchers, MOUNTADAPT aims to develop solutions and strategies to enhance healthcare climate adaptation and **safeguard the health and well-being of communities living in mountain regions**.



4 pilot sites

3 replication sites

11 resilience solutions





About CRIMEDIM

CRIMEDIM is is a university-wide academic center that conducts research, education and training in the field of **disaster medicine**, **humanitarian aid** and **global health**. The center is committed to promote innovative research projects and to foster learning and training programs using state of the art technologies to enhance the resilience of health systems in emergency, disaster and humanitarian crisis.

CRIMEDIM vision is to make health systems able to effectively protect people's health from disasters and humanitarian crises, saving lives, minimizing deaths, injuries, disabilities and human suffering with competent and professional workforce.

WHO collaborating centre

Several educational programmes

Experience with European projects











Disaster Preparedness Checklist: rationale

Rationale

There is a notable lack of practical, user-friendly tools for conducting rapid assessments of disaster preparedness, and for outlining evidence-based guidance for emergency management in case of Extreme Weather Events. These tools are beneficial to health systems for periodically monitoring the state of preparedness and identifying areas that require investment in anticipation of future Extreme Weather Events, as well as for setting user-friendly guidelines that can enhance emergency management, especially in vulnerable regions such as mountain areas.

Purpose

To facilitate the monitoring of the health system's preparedness status and provide guidance to decision-makers aiming to enhance health emergency management in the context of Extreme Weather Events. The tool is not designed to positively or negatively assess the system's readiness at the time of completion, but rather to identify weaknesses and areas needing improvement. Additionally, it offers guidance on actions to enhance the preparedness of various health system components considering the increasing frequency of climate change-induced Extreme Weather Events.

This Checklist is not intended to replace periodic review and monitoring processes that each health system routinely undergoes but rather serves as a consolidated instrument that compiles information on health system preparedness and health emergency management practices, which might be difficult to obtain otherwise.



Disaster Preparedness Checklist: target audience and usage

Target audience

The target audience for this Checklist includes **health sector professionals**, **authorities**, **policymakers**, **health managers** (such as hospital directors), and **others interested in evaluating health system preparedness** for Extreme Weather Events in mountain areas.

Usage

Health professionals or health system representatives can complete this Checklist, potentially consulting experts for specific sections (e.g., pre-hospital, pharmacies). Each site completes one collaboratively, adapting items as needed. The yes/no questions often include action points suggesting proactive solutions. This tool can also serve as standalone guidance, with action points acting as evidence-based implementation guidelines.



Disaster Preparedness Checklist: methodology



Leveraging existing resources

This phase involved collecting 28 existing health system disaster preparedness checklists from databases and organizational websites. The research team then grouped the items from these checklists into seven thematic areas to inform the development of a preliminary version of a new checklist.



Expert validation

Five researchers and professionals with disaster management expertise were identified and agreed to critically review the checklist. Their feedback was then used to develop a second version of the tool.

ID	Area of expertise
Expert 1	Primary care disaster preparedness
Expert 2	Disaster medicine in mountain areas
Expert 3	Hospital disaster preparedness
Expert 4	Disaster medicine in mountain areas
Expert 5	Rescue operations and evacuations in mountain areas



Co-creation activities for context validation

Context validation was ensured through a questionnaire sent to demonstration sites to gather information on their health emergency management practices, and a structured feedback process including a workshop and follow-up exchanges. The survey revealed varying levels of preparedness for across sites, highlighting the need for tailored plans and monitoring systems; the subsequent feedback led to the final version of the Checklist.



Disaster Preparedness Checklist





Disaster Preparedness Checklist and Guidance

Your feedback matters!

After using the Checklist, take a quick 3-minute survey to help us shape the future of this product. You can answer the questions by clicking this link:

https://forms.gle/EAESByzdjg4GgC1F7



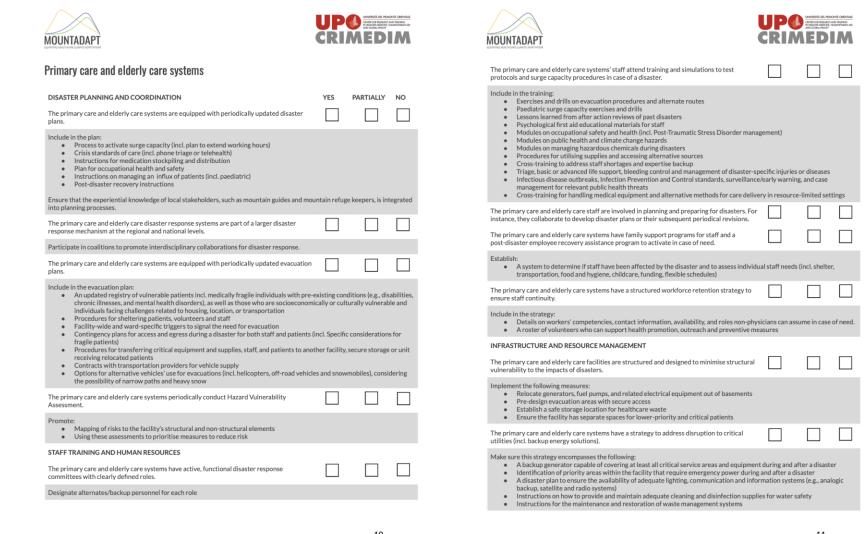


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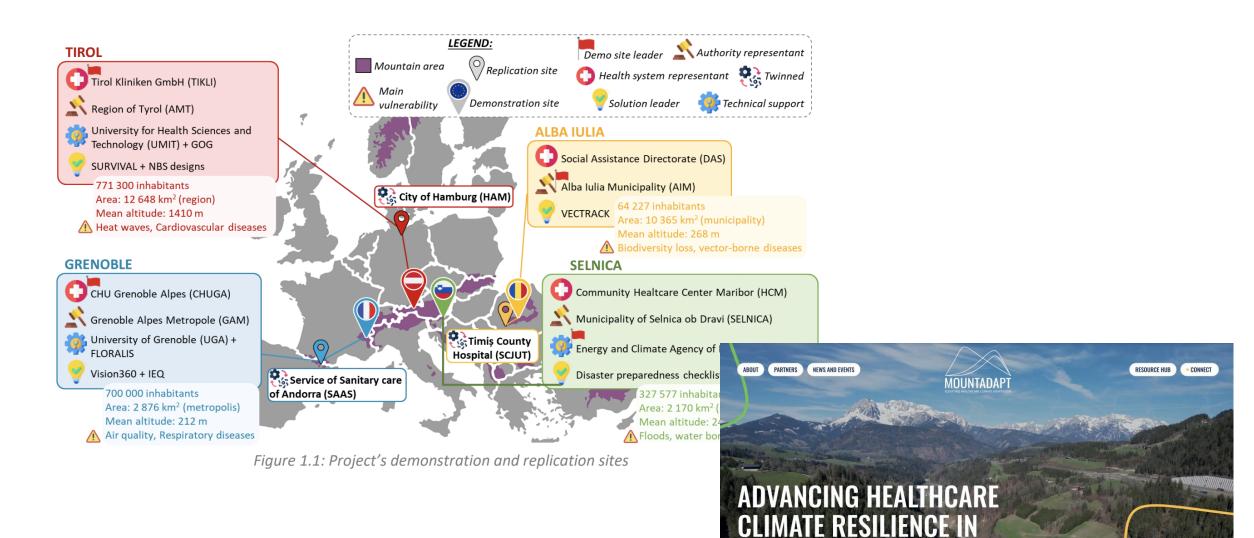


Disaster Preparedness Checklist



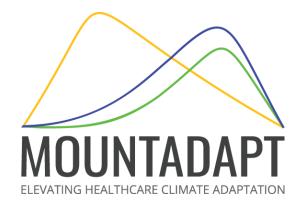


Pilot and next steps



EUROPEAN MOUNTAINS







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