

READY4DISaster

"RESILIENT COMMUNITIES THROUGH AWARENESS AND PREPAREDNESS AGAINST THE RISKS OF FIRE, FLOOD, AND LANDSLIDE"

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A Competence Map

Training Modules

An Open Educational Platform (OER)

Interactive Mobile App and Game

Competence Path Planning Tool for Volunteers

Activity 1- National Survey

TASK 1: Preparation of a questionnaire for the survey

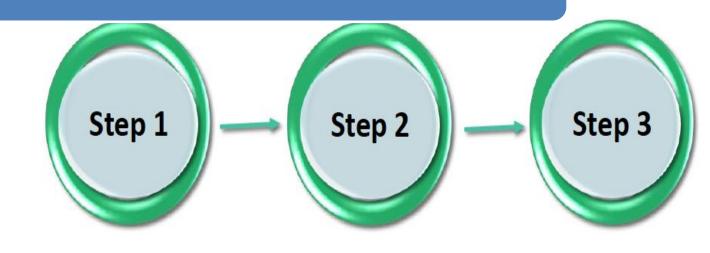
How people know to react in a disaster for Raising Awareness for Training Volunteers.

TASK 2: Run the survey in each country.

TASK 3: National report in each country.

TASK 4: Produce an international report.

Learning Outcomes
(Knowledge, Skills,
Autonomy/Responsibility)



Learning materials study & assessment

(Personalized Training Path)

Activity 2- Competence map creation

Competence acquisition (Proven ability to use LOs)

READY4Disasters Competence Map Tool:

A comprehensive resource designed to prepare volunteers for effective disaster management.

Developed Across Countries:

Based on insights from experienced volunteers and trainers across Türkiye, Greece, Georgia, and Italy.

Informed by a survey with 159 responses, ensuring relevance to real-world disaster scenarios.

Focus on Natural Disasters:
Specifically for fire, flood, and landslide scenarios.

Objectives of the Competence Map Tool

Core Objectives:

Ultimate Goal: Establish a resilient volunteer force capable of managing disasters effectively across different scenarios.

Identify Learning Needs: Understand specific skill gaps among volunteers.

Develop Targeted Training: Training modules are crafted to address identified gaps, providing comprehensive disaster preparedness training.

Enhance Volunteer Preparedness:
Build confidence and competence for responding to disaster scenarios.



RESILIENT COMMUNITIES THROUGH AWARENESS AND PREPAREDNESS AGAINST THE RISKS OF FIRE, FLOOD, AND LANDSLIDE

COMPETENCES FOR VOLUNTEERS - QUESTIONNAIRE RESULT INTERNATIONAL REPORT

Prepared by: GEBZE TECHNICAL UNIVERSITY













INTERNATIONAL REPORT

- A total of 164 people were surveyed in 4 countries (Türkiye, Greece, Georgia and Italy).
- The 62% respondents were male and 38% of them were female.
- Their ages are mostly between 36-50 with 39%. There were 25% respondents between the ages of 26-35 and 20% of them are >50.
- The participation rate of experienced volunteers and trainers were 64% and 39%, respectively.
- Their experiences were mostly around 5 years with 34%, followed by between 6-10 years with 22% and 11-15 years with 21%.

Revised Competencese According to International Report

Competences C1. Disaster Management: Understanding of the principles, methods, and tools for disaster management, including disaster risk reduction, emergency response, and recovery. C1.1 Understands disaster risk management principles and strategies. C1.2 Knows how to access and use communication tools and equipment. C1.3 Understands the roles and responsibilities of various agencies and organizations involved in disasters. C2. Safety and Security: Knowledge of safety procedures, equipment, and tools including maintaining a secure and safe environment C2.1 Adheres to safety procedures and protocols to ensure personal and team safety. C2.2 Understands the importance of maintaining a secure and safe environment during disaster response activities. C3. Teamwork and Collaboration: Understanding of the importance of working collaboratively with diverse teams C3.1 Demonstrates effective communication skills and the ability to work well with others. C3.2 Understands the importance of working collaboratively with diverse teams in high-stress environments. C3.3 Exhibits flexibility and adaptability in changing situations. C4. Assessment and Evaluation: Using all means to determine immediate and ongoing needs in disaster area C4.1 Demonstrates the ability to assess the immediate and ongoing needs of disaster-affected populations. C4.2 Uses data and feedback to inform decision-making and planning for disaster response activities. C5. First Aid: Knowledge of basic first aid techniques, including CPR, wound care, and trauma management. This includes the ability to recognize and respond to life-threatening emergencies. C5.1 Practice first aid and emergency medical techniques C5.2 Recognizes and responds to life-threatening emergencies. C6. Cultural Competence: Knowledge and sensitivity to cultural differences and diversity C6.1 Respects cultural practices and customs during disaster response activities. C6.2 Works with diverse communities in disaster areas C7. Leadership: Ability to work effectively in teams and lead others in disaster situations. C7.1 Exhibits effective leadership skills in high-stress environments. C7.2 Demonstrates the ability to make decisions quickly and effectively. C7.3 Exhibits strong problem-solving skills and the ability to adapt to changing circumstances. C8. Evacuation and Rescue: Understanding of the procedure, protocols, and ways for evacuation and rescue during disasters C8.1 Identifies disaster areas and disaster risks C8.2 Assesses disaster damage and identifies hazards

C8.3 Conducts rapid assessments of disaster-affected areas

C9. Search and Rescue: Understanding of the procedure, protocols, and ways for search and disasters	nd rescue during
C9.1 Practices search and rescue techniques and tools	
C9.2 Keeps physical fitness and agility	
C9.3 Identifies and locates missing persons	
C10. Shelter and Settlement: Knowledge of shelter management principles and procedure considerations for disasters	s with practical
C10.1 Understands shelter and settlement options for disaster-affected populations	
C10.2 Assesses shelter needs and availability	
C10.3 Familiarize oneself with shelter management principles and procedures	
C11. Communication: Understanding the importance of communication	
C11.1 Communicate effectively with team members and external partners	
C11.2 Communicate effectively with people from diverse backgrounds	
C12. Flood Assessment: Knowledge of flood risks including damage evaluations and identif	fication of hazards
C12.1 Identifies flood-prone areas and flood risks including monitoring systems	
C12.2 Conducts rapid assessments of flood-affected areas, flood damage and identifies haza	rds
C12.3 Coordinates and manages recovery efforts according to recovery principles	
C12.4 Demonstrates knowledge of water safety and sanitation principles	
C12.5 Identifies and mitigates water-related health risks	
C13. Fire Risk, Safety, Suppression and Control: Knowledge of fire safety and suppression pand tools.	procedures, equipment,
C13.1 Understands how to use fire extinguishers, smoke alarms, and other safety equipment	t.
C13.2 Demonstrates knowledge of fire suppression techniques and tools	
C13.3 Assesses fire hazards and risks	
C13.4 Identifies hazardous materials and their properties and assesses their risks	
C13.5 Recognizes personal protective equipment (PPE) and decontamination procedures	
C14. Landslide Assessment: Knowledge of landslide risks including damage evaluations and hazards	d identification of
C14.1 Identifies landslide-prone areas and landslide risks	
C14.2 Assesses landslide damage and identifies hazards	
C14.3 Familiarize oneself with landslide maps and monitoring systems	
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C14.4 Conducts rapid assessments of landslide-affected areas

Competence Areas and Structure

•14 Key Competence Areas:

• Examples include **Disaster Management**, **Safety and Security**, **Teamwork**, **First Aid**, **Leadership**, and **Cultural Competence**.

•Sub-competences for Each Area:

• Each main competence includes targeted sub-competences linked to specific modules.

• Example:

- Teamwork: Demonstrates effective communication, works well with diverse teams.
- First Aid: Knowledge of CPR, wound care, emergency medical response.
- •Learning Pathways: Clear structure ensures volunteers build practical skills at each phase of training.



The educational content consists of the following modules (chapters):

	Title		
Module 1	Occurrences and impact of disasters	3	
Module 2	Flood disasters	3	
Module 3	<u>Landslide disasters</u>	3	
Module 4	Fire-related disasters	3	
Module 5	Rescue/rescue equipment	9	
Module 6	Promoting prevention over recovery	10	
Module 7	Resiliency metrics/indicators	6	
Module 8	European mechanism in civil protection	3	

CHAPTER CONTENTS-CHAPTER 1

1. OCCURENCE AND IMPACT OF DISASTERS	Competences	Units	Training paths	Responsible partners	Required documents
1.1 Occurence and Impact of Flood	C12.1, C12.2, C12.3, C12.5				
1.1.1. Occurence of Flood	C12.1		1, 2, 3		
1.1.2. Impact of Flood	C12.2, C12.3, C12.5	Unit 1.1			
1.1.2.1. Environmental impacts	C12.5	Offic 1.1	1, 2, 3		
1.1.2.2. Social impacts	C12.2				
1.1.2.3. Economical impacts	C12.3				
1.2. Occurence and Impact of Landslide	C14.1, C14.2				3 power point presentations, 3
1.2.1. Occurence of Landslide	C14.1, C14.2				
1.2.2. Impact of Landslide	C14.1	Unit 1.2	4, 5, 6		
1.2.2.1. Environmental impacts	C14.1, C14.2	Offic 1.2	4, 3, 0	GTU	frameworks and 3 self
1.2.2.2. Social impacts	C14.1, C14.2				assetment test for each
1.2.2.3. Economical impacts Alt bilgi ekleme	C14.2				unit.
1.3. Occurence and Impact of Fire	C13.3, C13.4				
1.3.1. Occurence of Fire	C13.4				
1.3.2. Impact of Fire	C13.3, C13.4	Unit 1.3	7, 8, 9		
1.3.2.1. Environmental impacts	C13.3, C13.4		7, 0, 3		
1.3.2.2. Social impacts	C13.3, C13.4				
1.3.2.3. Economical impacts	C13.3, C13.4				

A Competence Map

Table 1. Matrix of Training Paths.

	Mitigation and Preparedness	Response	Recovery
Flood	1	2	3
Landslide	4	5	6
Fire	7	8	9



Competences: Click here for more....

https://ready4disasters.gtu.edu.tr/Competences.

html

C1: Disaster Management

C2: Safety and Security

C3: Teamwork and Collaboration

C4: Assessment and Evaluation

C5: First Aid

C6: Cultural Competence

C7: Leadership

C8: Evacuation and Rescue

C9: Search and Rescue

C10: Shelter and Settlement

C11: Communication

C12: Flood Assessment

C13: Fire Risk, Safety, Suppression and Control

C14: Landslide Assessment

Nine Training Paths

- Disaster-Specific Training Paths:
- Nine paths tailored to specific scenarios and phases (Mitigation & Preparedness, Response, and Recovery).
- Example Paths:
- Flood: Flood Preparedness, Flood Response, Flood Recovery.
- Landslide: Landslide Preparedness, Landslide Response, Landslide Recovery.
- Fire: Fire Preparedness, Fire Response, Fire Recovery.
- Comprehensive Coverage:
- Volunteers progress logically, building skills essential for each phase of disaster management.

Competence Wheel (Sunburst Diagram)

•Competence Wheel (Sunburst Diagram):

Interactive visual representing training paths and modules.

 Volunteers can select a disaster path (e.g., Flood Response) and navigate through specific training modules.

•Integration with OER Platform:

 Direct access to related learning resources on the Op Resources (OER) platform.

• Contents: Includes learning outcomes, interactive conself-assessment.



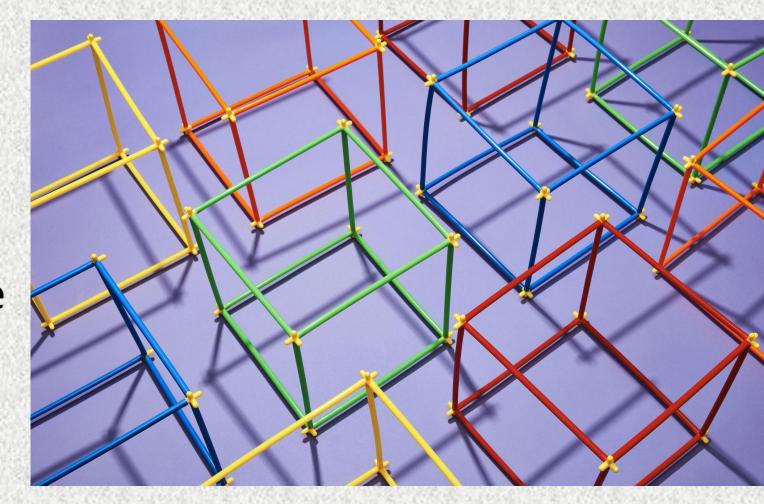
Training Modules and Learning Pathways

Training Modules Based on Competences:

- Each module corresponds to specific competences (e.g., First Aid, Cultural Competence) for targeted skill development.
- Modules cover: Disaster occurrence, flood risks, rescue techniques, and post-disaster recovery strategies.

Flexible Learning Options:

- Interactive Path-Based Learning: Choose paths via the Competence Wheel.
- Traditional Learning Pathway: Sequential, module-by-module learning option for users who



Assessment and Feedback Mechanisms

Self-Assessment Tools:

 Quizzes, H5P-based tests, and self-evaluation resources ensure volunteers can gauge their own progress.

•Feedback in Games:

- Score systems in games allow volunteers to track performance, identifying areas for improvement.
- Immediate feedback reinforces learning, helping volunteers focus on competences needing further development.

Educational Games for Skill Reinforcement

- Interactive Games for Real-Life Scenarios:
- Games focus on floods, landslides, and fires, reinforcing competences through simulated, scenario-based learning.
- Progressive Levels:
- Elementary: Introduces basic concepts and competences.
- Intermediate: Applies knowledge in more complex scenarios.
- Advanced: Volunteers face challenging situations, building high-level competence.
- Features:
- Self-assessment through score tracking.
- Available in multiple languages (e.g., English, Turkish, Greek), ensuring broad accessibility.



Conclusion and Future Implications

•Impact on Disaster Preparedness:

 By defining and developing essential competences, the tool builds a skilled and prepared volunteer base.

•Key Benefits:

Multilingual, mobile-friendly, and adaptable for diverse learning preferences.

•Future Goals:

- Enhance accessibility further.
- Continue adapting content to meet evolving disaster management needs.
- Expand reach to build resilience within communities worldwide.



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