



NOTIFICATION SYSTEM

“I-VOLUNTEER”



THE "I-VOLUNTEER" SYSTEM

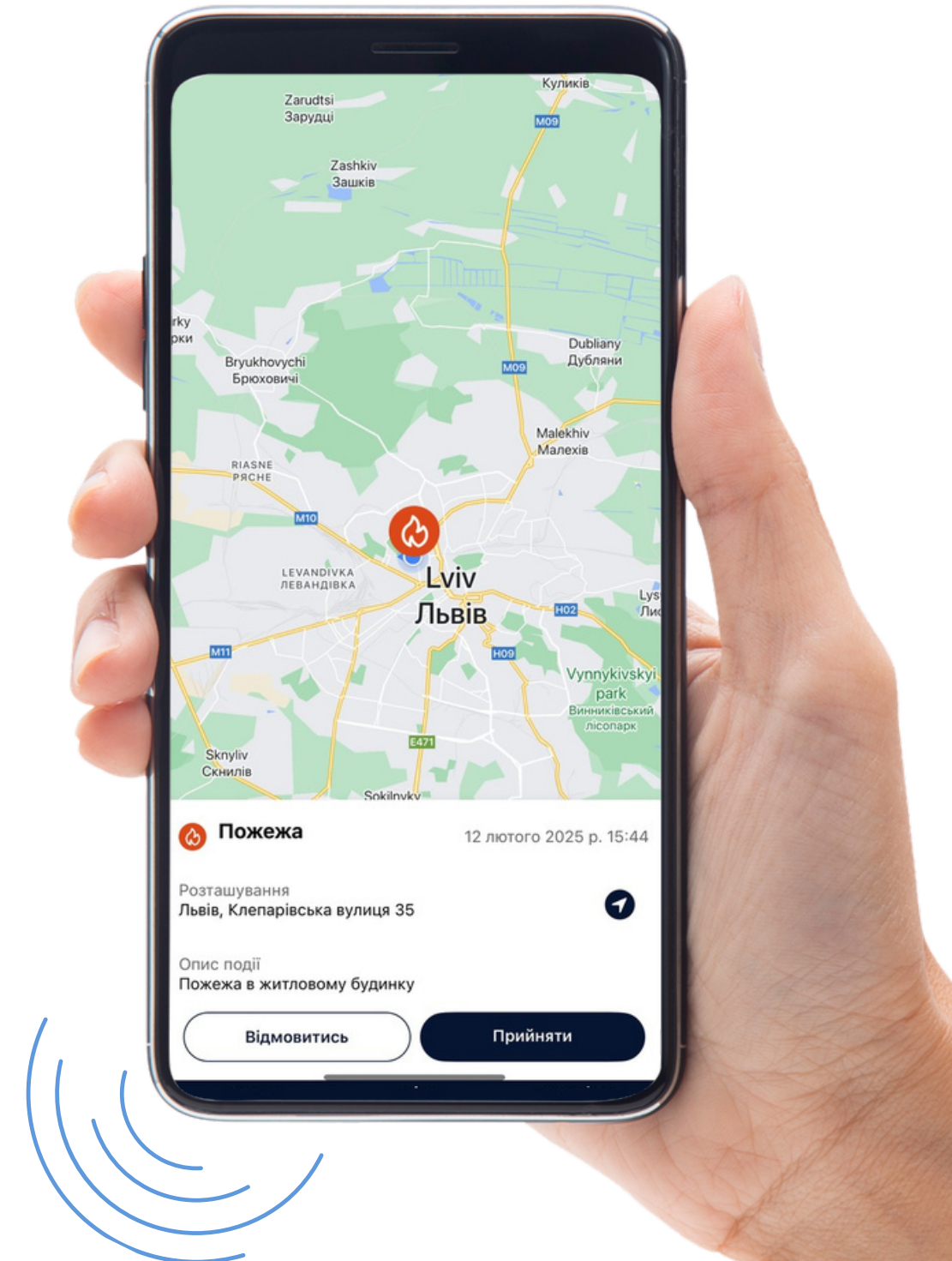


The **"I-VOLUNTEER"** system is aimed at **creating a safe environment** in society, ensuring prompt notification of volunteers about tasks during their response to an event.

Before developing the system, international experience in organizing digital platforms for engaging the public in emergency response was analyzed.

In particular, models used in the **USA (FEMA), Canada, Great Britain, Japan, as well as several EU countries — Germany, Austria, Poland, Switzerland, Denmark, and Sweden were studied.** The analysis focused on approaches to digital volunteer registration, mobile notification, geolocation-based identification of nearest resources, and legal integration of volunteer potential into the civil protection system.

Based on this experience, a domestic model was developed **that covers over 90% of the functional** and organizational requirements for engaging volunteers in emergency response under Ukrainian conditions.



RELEVANCE OF THE "I-VOLUNTEER" SYSTEM



In accordance with the Ministry of Internal Affairs strategy for forming a modern security environment and developing the volunteer movement, the **"I-VOLUNTEER"** system is a key digital tool for improving emergency response effectiveness.

The **"Community Rescue Officer"** project covers **100% of Ukraine's territorial communities**, where **over 1,700 officers** who have completed professional training are serving.

According to analytical data from the Head of the State Emergency Service of Ukraine, Lieutenant General of Civil Protection Andriy Danyk, on the territory of the state, at the initiative of communities together with SESU, **18,426 fire rescue units of voluntary fire protection were established and are operating, including 456 voluntary fire teams and 17,164 voluntary fire brigades. The total number of personnel on duty is 82,366 people, as well as about 70,000 volunteers. These individuals have already completed training, work in communities, and can register in the "I-VOLUNTEER" system. This will make it possible on a single platform to cover approximately 150,000 motivated citizens throughout the country.**

The "I-VOLUNTEER" system will ensure the creation of a unified volunteer database and standardized approaches to their training, response, notification, and information support.

As of 2025, there are **1,469 territorial communities** in Ukraine. Registered volunteers can become the first assistants to community rescue officers in notifying the population, responding, and providing assistance in preventing and eliminating emergencies.

ADVANTAGES OF THE "I-VOLUNTEER" NOTIFICATION SYSTEM:



Ease and Convenience of Use

The system is designed in a user-friendly format and enables volunteer engagement. The app is available for download on AppStore and PlayMarket



Creating a Safe Environment in the Country

Ability to unite volunteers (medical professionals, rescuers, law enforcement) on a single platform for event notifications, training, and threat alerts.



Real-Time Tracking

Ability to monitor the volunteer's location while en route to the emergency site



Engagement Time Control

To implement European experience in rewarding participation in emergency response



Response Tasks

Viewing event information, sending notifications to volunteers with response tasks



Arrival Confirmation

The incident commander receives real-time data on volunteer availability through the OCC



Route Navigation

Ability for the volunteer to plan the route to the emergency site



Analytics and Reporting

The system collects and analyzes data on the effectiveness of volunteer engagement



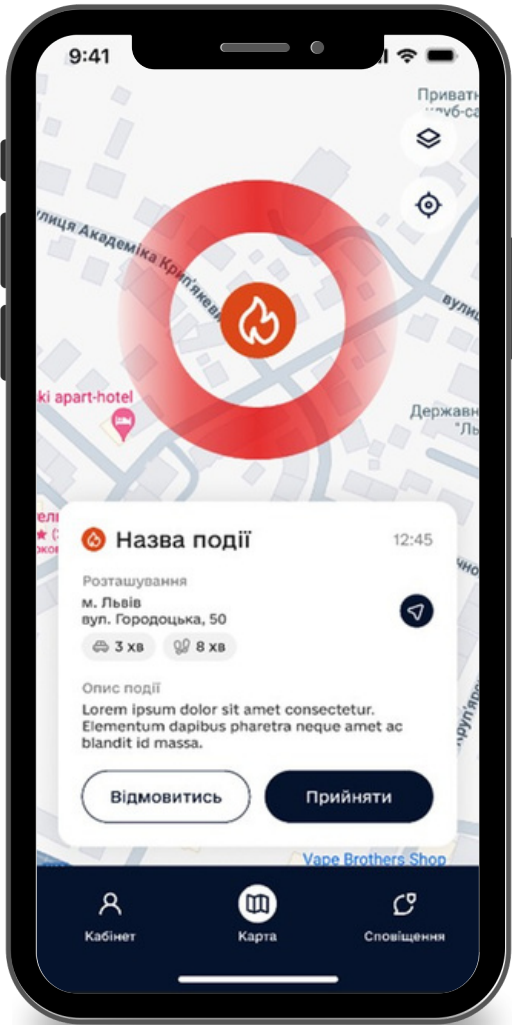
Two Communication Channels

Two communication channels are used to maintain constant contact

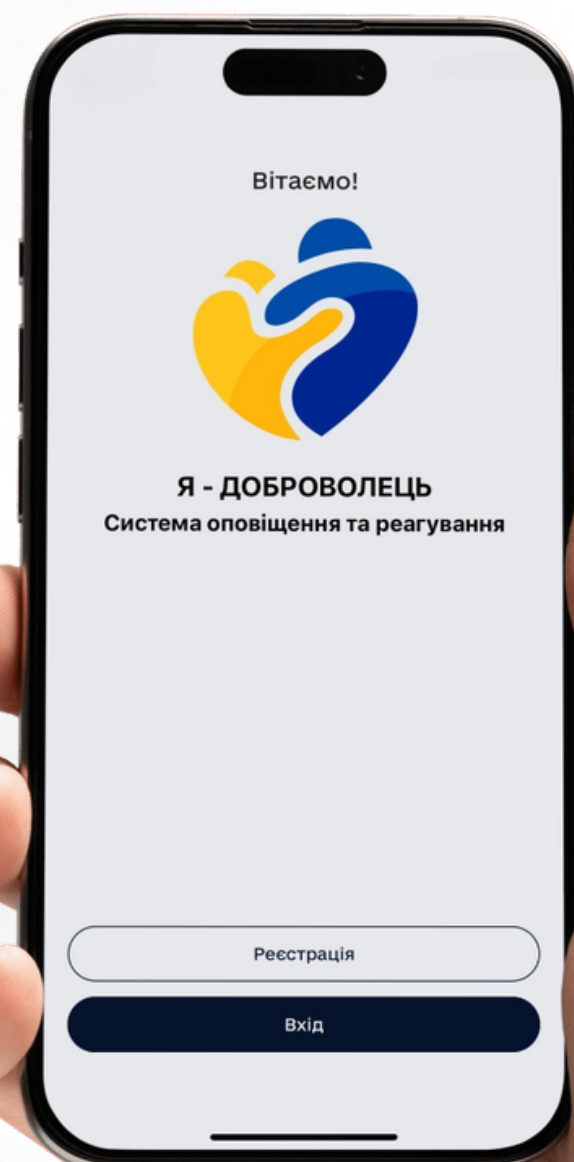


Interactive Map

The dispatch panel displays event locations and volunteer statuses

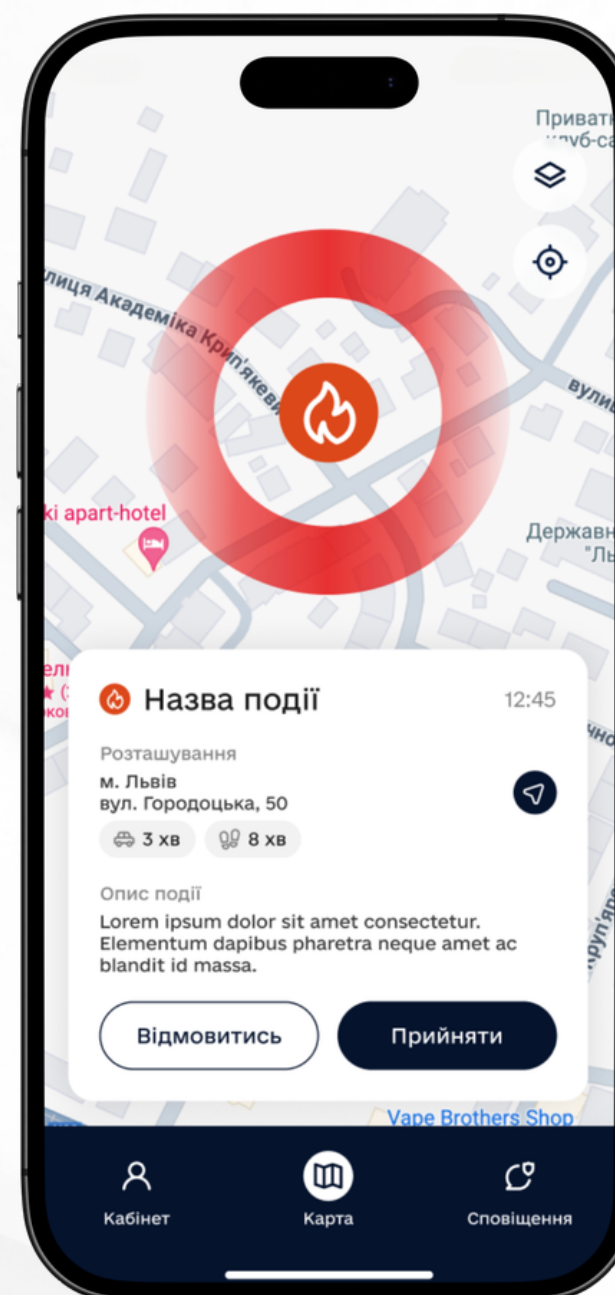


NOTIFICATION AND RESPONSE SYSTEM "I-VOLUNTEER"



The "I-VOLUNTEER" system is aimed at creating a safe environment in society, ensuring prompt notification of volunteers about tasks during their response to an event.

It also allows sending informational notifications by geographic location to all active volunteers or based on event participation.



ADVANTAGES OF THE "I-VOLUNTEER" NOTIFICATION AND RESPONSE SYSTEM



Available for Mobile Download

The app is available for download on AppStore and PlayMarket



Ease and Convenience of Use

Intuitive and user-friendly functionality ensures effective management without the need for additional training



Real-Time Tracking

Ability to monitor the volunteer's location while en route to the emergency site



Time Control

Recording volunteer arrival, presence, and departure times at the location



Notifications

Viewing informational messages, event notifications, and training materials for preparation and professional development



Arrival Confirmation

The operational coordination center dispatcher receives information on volunteer arrival at the event site



Analytics and Reporting

The system collects and analyzes data on volunteer engagement and all events



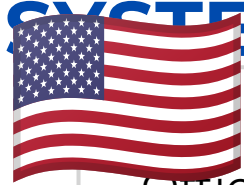
Two Communication Channels

Volunteer notification via push alerts and phone calls for rapid response



ADVANTAGES OF THE "I-VOLUNTEER" NOTIFICATION

SYSTEM:



FEMA App (USA)

Official mobile app of the Federal Emergency Management Agency (FEMA). Provides weather hazard notifications, access to shelters and reference materials.

- ➔ Focused on public information, does not include volunteer coordination.



Get Connected (Canada)

Decentralized volunteer engagement system through local online forms, social media, and community initiatives.

- ➔ No single national digital platform or centralized volunteer registry.



GoodSAM (Great Britain)

NHS partner platform for volunteer engagement (assistance, transportation, communication). Supports geolocation, video calls, integration with emergency services.

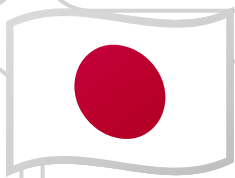
- ➔ Focused on medical and social tasks, not emergencies.



Land|Retter (Germany, Austria)

Mobile app for responding to medical emergencies (cardiac arrest). Sends notifications to volunteers within a 750m–2km radius.

- ➔ Focused solely on medical cases, without integration with state systems.



Safety Tips (Japan)

National app to warn foreigners about earthquakes, tsunamis, typhoons, missile attacks (J-Alert).

- ➔ Provides information but does not engage citizens in response or coordination.



OSP (Poland)

Network of over 18,000 voluntary fire brigades (~460,000 people). Communication is carried out via radio or SMS.

- ➔ No modern mobile app for digital coordination.

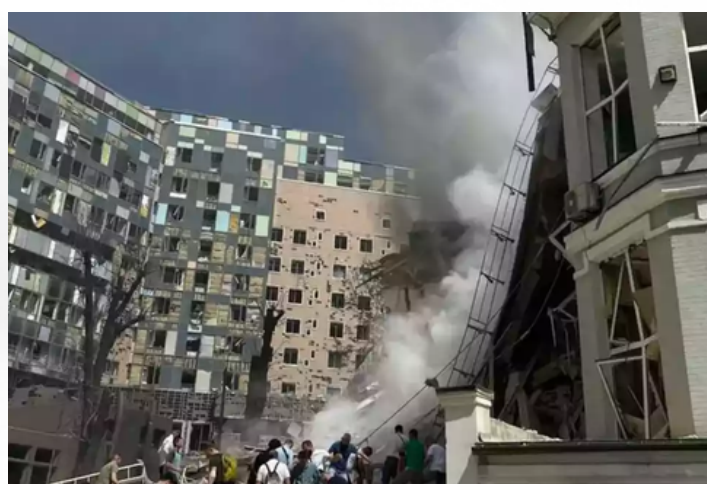
Key Advantages of the "I-VOLUNTEER" System

- 📍 Real-time geolocation of volunteers
- 🔔 Automatic push notifications without dispatcher involvement
- 🚒 Centralized state registry of verified participants
- 📡 Integration with the Civil Protection Management System (CPMS)
- 💬 Two-way communication between dispatcher and volunteer
- 🌐 Scalability to community, regional, or national level

DEVELOPMENT OF THE VOLUNTEER MODULE OF THE SESU INFORMATION SYSTEM OF UKRAINE

"Volunteer Module" —

a database and information system that provides operational information on the number, location, and skills of volunteers across the country who can be engaged to rescue people and respond to emergencies both in peacetime and during a special period.



*Kyiv residents clearing rubble from the traumatology building of the Okhmatdyt children's hospital
destroyed by a Russian X-101 missile,
July 8, 2024,*

<https://frontliner.ua/okhmatdyt-attack-russian-war-crime/>



PUBLIC SAFETY AND CIVIL PROTECTION STRATEGY OF UKRAINE

- The Strategy emphasizes the need to modernize the infrastructure of public safety and civil protection forces, in particular through the implementation of digital technologies to improve emergency response effectiveness.

Initiative founders:

*State Emergency Service of Ukraine
and
Lviv State University of Life Safety*



SPATIAL REPRESENTATION OF EVENTS AND UNITS



Я—ДОБРОВОЛЕЦЬ

Мапа

Підрозділи

Події

Мапа

Події

Всі

Завершені

Підрозділи

Всі типи

Обрати область

Тестовий підрозділ ЛДУ БЖД

Інформація

Команда

Історія

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Учасник 2

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Я—ДОБРОВОЛЕЦЬ

Мапа

Підрозділи

Події

Мапа

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Обрати область

Тестовий підрозділ ЛДУ БЖД

Інформація

Команда

Історія

Назва підрозділу

Тестовий підрозділ ЛДУ БЖД

Статус

В дорозі

Тип формування

Добровільна пожежна охорона (ДПО)

Телефон

093-113-17-52

Адреса

Львівська обл., Львівський р-н, м. Львів, вул. Клепарівська, 35

Громада

Львівська

Категорія громади

міська

Кількість особового складу

2 особи

The "I-VOLUNTEER" system provides integrated display of emergency events and volunteer units in a single digital environment. An interactive map allows tracking event locations, their status, and the territorial positioning of formations, creating a comprehensive understanding of the operational situation within the region. This approach facilitates rapid data navigation and improves the efficiency of planning and coordination.



Підрозділи

Події

Типи

Обрати область

Житомирська область

Житомир

Вінниця

Вінницька область

Добровільна пожежна охорона Глинського старостинського округу

ІнформаціяКомандаІсторія

Назва підрозділу

Добровільна пожежна охорона Глинського старостинського округу

Статус

Активний

Тип формування

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Громада

Жовківська

Категорія громади

міська

Кількість особового складу

Немає даних

+

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The platform **creates structured information profiles of events, volunteer units, and engaged individuals, displaying key characteristics: status, formation type, territorial affiliation, and composition.** Centralizing this data within a single system ensures its accessibility, consistency, and capability for comprehensive analysis, creating a digital foundation for organizing and developing volunteer activities in the field of civil protection.

Launching the system at the national level will enable:

- 1 Creating a safe environment in the country** — forming a unified digital system for interaction with volunteers covering three key areas: police (Mol), rescue (SESU), and medical. This will make it possible to reach approximately 500,000 people, delivering real results in building a safe environment
- 2 Uniting war veterans and engaged citizens around the volunteer movement** — socialization of veterans and involvement of socially active citizens.
- 3 Engaging volunteers in emergency response** — significant improvement in response efficiency through mobilization of the nearest volunteers. As of 2025, there are 1,469 territorial communities in Ukraine.
- 4 Creating a unified effective approach to training, response, engagement and coordination of volunteers,** which will enable improvement of the safe environment in the country.
- 5 Ensuring effective interaction between management bodies and citizens during emergencies,** enhancing public safety and building a safe environment, as well as strengthening the country's capacity in civil protection, taking into account the future post-war period, which will create new challenges.