

Training courses with practical exercises implemented

D.5.3.2

Project Acronym	Firespill
Project ID Number	10255377
Project Title	Fostering Improved Reaction of crossborder Emergency Services and Prevention Increasing safety Level
Priority Axis	Safety and resilience
Specific objective	2.2 - Increase the safety of the Programme area from natural and man-made disaster
Work Package Number	5
Work Package Title	WP5 Activation of citizens' participatory process
Activity Number	5.3
Activity Title	Raising community awareness via capacity building in hazard prevention and response system
Partner in Charge	All PPs
Partners involved	All PPs
Status	Final
Distribution	Partnership
Date of release:	June 2023

LP PI RERA S.D. and PP13 Split Dalmatia County

Public institution RERA S.D. and Split- Dalmatia County implemented specialized training in cooperation with the Croatian Red Cross (GDCK Solin) in Okrug Gornji from 15th -17th of October 2021.

The main goal of the training course foresees implementation of the specific programme module designed for training and practical exercise of professional responders- Craoatian Red Cross to practice their skills in order to improve their level of preparedness to different hazards.



PP1 ABRUZZO REGION

The target group identified included the students (almost 80 students) of the Acciaioli nautical technical institute, who were involved in the training course with a theoretical and a practical part, in May 2023. At the end of the course, a certificate of participation was issued. At the end of the course students participated to exhibition led by civil protection and Regione Abruzzo conference, during the second day.

1- Module 1

"Climate Change, Territorial Planning, and Risk Mitigation"

This module provided an overview of the accelerating climate crisis and its increasing impacts on countries worldwide, with a specific focus on Italy. The recorded data from the Italian Peninsula in the first ten months of 2022 revealed 254 extreme weather events, representing a 27% increase compared to the previous year.

2- Module 2

"Remote Sensing Systems and GIS for Damage Monitoring and Geolocation"

This module addressed topics related to the use of remote sensing systems (remote sensing) for investigating post-disaster scenarios (earthquake, flood, fire) and georeferencing data through GIS software. The focus will primarily be on satellite Earth observation systems and Remote Piloted Aircraft Systems (RPAS) or drones.

3- Module 3

"Marine Pollution: Shoreline Cleanup in the Event of Oil Spills"

Starting from the Technical Intervention Manual developed within the Neptune Project, an introductory overview has been provided on the following topics: international regulatory framework; national regulatory framework and the system of entities that, according to the regulatory framework, contribute to addressing emergencies; operational plan for emergency response to defend the sea and coastal areas from accidental oil spills and other hazardous substances; effects of oil pollution on coastal ecosystems; work method for shoreline cleanup activities following oil spills; techniques for cleaning different types of coastlines; safety regulations and personal protective equipment.

4- Module 4

"Practical Exercise: Preliminary Activities for Intervention in the Event of Oil Spills on the Coast"

In the practical exercise, participants have been instructed on the preliminary activities that need to be carried out before starting the removal of the petroleum product to prepare the intervention area. These activities are essential to operate without compromising the environment and the health of volunteers and operators. The intervention area is the contaminated portion of the territory identified for carrying out cleanup activities, where all the necessary structures will be set up.

5- Module 5

"Salvalarte: Beauty, Participation, and Inclusion"

The training will aim to inform and raise awareness among learners about the possibilities of specialized volunteering activities in the safeguarding of cultural heritage. In particular, the focus will be on illustrating the activities carried out by the Legambiente Abruzzo Cultural Heritage Circle over the years, starting from the experience of specialized volunteers for cultural heritage during the emergency following the 2009 earthquake in L'Aquila.

6- Module 6

"Don't Play with Fire: Prevention and Combating of Fires in Forest Ecosystems"

Starting from the historical campaign for the care of forest heritage and fire prevention by Legambiente and the Department of Civil Protection, titled "Don't Play with Fire," the main regulations for fire prevention, reporting, and action in case of forest fires were been illustrated.



PP2 EUROPE POINT CONSORTIUM

The exercise was held on May 14, 2022 in the municipality of Nereto in the province of Teramo, Abruzzo Region, Italy, starting at 06:00 and ending at 18:00.

The exercise carried out at the end of the course "Activation of the participatory process of citizens" had as its main objective the verification of the information support to civil protection operators by a group of citizens, sensitized and trained for the purpose, during an emergency situation following a seismic event, which caused damage to buildings and structures and the interruption of communication services in the area.

In pursuing this objective, it intended to verify:

The level of ability reached by young citizens, members of the closed Telegram Group , to send reliable emergency reports to the Municipal Operations Center;

The methods of conveying these reports by COC operators on the communication channels of the Civil Protection;

1. Telegram BOT automatic responder system - notification monitoring server;
2. The restoration of essential telecommunications services in the absence of collapsed normals;
3. The efficiency of the response as well as the standard methods of intervention of the PC Volunteer





PP3 DUBROVNIK NERETVA COUNTY

Training module Swiftwater and Flood First Responder (SFR) in April 2023

The purpose of this course is to train operational forces for all forms of work on swift waters and floods. In addition to basic knowledge of water hazards, incident management, hydrology, medicine and technical work (knots, anchorages, mechanical advantage system), participants undergo the practical part of team training. The main goal of the course is to train rescuers for self-rescue in crisis situations on the water as well as for teamwork as one of the principles of water rescue. The end result of this training is a rescuer who can act as a team in fast and wild waters and floods even in conditions of poor visibility or darkness. The practical course went through swiftwater swimming techniques, Strainer swim, conditional rescues - talk, reach, throw, shallow water techniques, casualty management, people and equipment entrapments. The implementation of the course will increase the operability and cooperation of the basic operational rescue services in the field in all activities of threat from floods, torrents and other activities on wild and uncontrolled waters. The training methodology was visual, audio and kinaesthetic with teaching model that combines instructions and demonstrations.



PP4 ADRIATIC TRAINING AND RESEARCH CENTRE FOR ACCIDENTAL MARINE POLLUTION PREPAREDNESS AND RESPONSE

As part of the FIRESPELL project, ATRAC coordinated a table-top exercise for the Dubrovnik-Neretva County Operational Center (COC) members on November 24, 2021. This was done in collaboration with the Dubrovnik-Neretva County. The Public Institution for the Management of Protected Natural Areas of Dubrovnik-Neretva County was also involved in the table-top exercise, along with CIAN d.o.o., a company specializing in environmental rehabilitation and other waste management activities. The exercise was designed as a simulation of accidental sea oil pollution. Its primary goal was to assess readiness and provide suggestions to enhance the management and response system in the event of accidental marine pollution.



PP5 ZADAR COUNTY

On May 31, 2023, a field exercise "Evacuation and extinguishing fires from closed spaces" took place in the premises of the Zadar Fire Department. The specialized exercise took place under the supervision of instructors from the company Alfa Atest, from Split. As part of the exercise, 20 firefighters practiced extinguishing fires in a closed space and evacuating from a tall building. For the purposes of the exercise, vehicles procured from the Stream and Adriaclim projects were used, which were also financed from the INTERREG V-A Italy-Croatia 2014-2020 program. After training, Zadar County (PP5) has organized and conducted an event in order to present and discuss the ESRS Green Paper developed into WP3.



PP6 MARCHE REGION

On June 25, 2022, a comprehensive training course with practical exercises for extinguishing forest fires was conducted. A total of 105 volunteers were trained, starting from the moment of receiving the emergency call for a forest fire, to the deployment with the necessary resources and equipment. Upon arrival at the simulated fire site, they practiced extinguishing the forest fire using specific modules, flabellums, rakes, blowers and motor pumps. They also gained hands-on experience with the reclamation process. A certificate was issued to those who attended the course. The certificates include the date of the Training courses, the location and the course programme. Including the course programme in the certificate issued to participants seemed like a good idea. Infact it provides transparency and clarity about the content and topics covered during the course and it serves as a reference for the participant and others who may review the certificate in the future, ensuring that there is a clear understanding of what was taught and learned during the training.




Regione Marche
Direzione Protezione Civile e Sicurezza del Territorio
Esercitazione AIB per le squadre di lotta attiva agli incendi boschivi
Fiuminata 25 giugno 2022

temi approfonditi: LOTTA ALLE ATTIVITÀ DI SPORTEGGIO: Procedure Operative Standard (POS). Lotta diretta e indiretta, attività di spegnimento, estinzione fiamme, bonifica. NATICA: Uso di ATTREZZI MANUALI e mezzi, rischio alla sicurezza: Impiego e modalità di utilizzo acqua: Impiego e modalità di utilizzo mezzi, zappi, barre fiamme, pale, soffiatori, motoseghe, diserbatori, energia dell'abbigliamento e montaggio veicolo intervento sicuro per allearsi. Uso del modulo estintore. Operatività dell'istruttore e norme comportamentali in sua presenza. Distribuzione sull'uso del modulo AIB a utilizzo dei fuochi strada. Impiego del DPI e spazzare in sicurezza. Ricezione del volontario e moduli A. SPEDIMENTO E BONIFICA TO ZAPPARE, uso corretto dei DPI, in briefing.

ATTESTATO DI FREQUENZA

il volontario: **Anna Veronici** codice voloweb: **352**
 appartenente all'organizzazione: **ASS. NAZIONALE VIGILI DEL FUOCO IN CONGEDO DELEGAZIONE ANCONA ODV**

ha regolarmente partecipato all'esercitazione AIB organizzata dalla Regione Marche - Direzione Protezione Civile e del Comune di Fiuminata ai sensi della normativa vigente in tema di sicurezza sul lavoro (D.Lgs.81/08) e s.m.i., decreto interministeriale 13/04/2011, Dec. Capo Dipartimento Prot.Civ del 23/07/2012, DGR n. 129 del 18/02/2013.



 Durata del corso: 8 ore
 Fiuminata, 25 giugno 2022

PP7 REGION OF ISTRIA

Two ITLS basic courses were organized for 52 non-medical employees of Police department, Red Cross, Institute for Emergency Medicine and Firefighting unit. Before the implementation of course, Region of Istria received and adopted the ITLS basic course programme (D.5.3.1). ITLS basic courses were held in the premises of Volunteer Fire Department Pula. First course was organized for firefighters and police forces on 23-24 February 2023 and the second one for Red Cross volunteers and drivers of Educational Institute for Emergency Medicine on 25-26 February 2023. After intensive two day of practical and theoretical lectures, participants took the exam and gained ITLS certificates valid for three years.



PP8 DEVELOPMENT AGENCY OF SIBENIK-KNIN COUNTY

From February 27 to March 30, 2023, the state fire school conducted training for members of the Šibenik-Knin County Fire Department (VZ ŠKŽ) according to the Indoor Firefighting and Rescue Course Program, in accordance with the Firefighter Training Agreement on the FIRESPELL project. The training was conducted in groups through 20 hours of classes, of which the theoretical part was 6 hours of classes, and the practical part was 14 hours of classes. Practical part of the Program was conducted in the Public Fire Department of the City of Vodice. A total of 158 members of Šibenik-Knin County Fire Brigade joined the training, of which 155 met the conditions of the Program, while 3 members of VZ ŠKŽ did not meet the conditions of the Program. All members of the VZ ŠKŽ who have met the requirements of the Program received a Certificate of Competence for extinguishing and rescue in closed spaces.



PP9 PUGLIA REGION

The training course, organized by Legambiente, was referred on anti-pollution activities following oil pollution and was divided into two different days, 6 hours per day, on 13th, 14th, 21th March and 4th May 2023. The events, which took place at the Civil Protection of Puglia Region headquarter in Modugno (Città Metropolitana di Bari) on 13th and 14th March, has foreseen the release of a certification to all participants at the end of the course. Moreover, the participants were from different bodies and volunteer organizations, such as S.O.S Sava, Arcobaleno O.D.V., La Luce O.D.V. of Laterza, Quadrifoglio of Montalbano, Municipal Group of Lecce City, Aves Modugno, etc.



PP10 EMILIA ROMAGNA REGION

The activity – held on May 9, 10 and 18 2022 The earthquake memory: culture and heritage between reconstruction and the future - was developed as a training and sensitization laboratory, held together with the students and teachers of the Dosso Dossi Artistic Lyceum of Ferrara. It consisted of a 3-days lab on seismic risk management, held in presence at the premises of the Dosso Dossi Lyceum in Ferrara and integrated by a week of autonomous work realized by the students, with the support of their teachers. After a brief presentation of Firespill project objectives and activities, the sessions were held supporting students in deepening the topic addressed within different work sessions, aimed at:

- Deepening the relationship between culture, heritage and memory (May 9);
- Presenting and discussing the different aspects of risk prevention and emergency management (May 10)
- Systematizing the learnings from the first two sessions and presenting the results of autonomous job further realized, among the other the conceptualization and design of 6 billboards addressing seismic risk (May 18).

The first two sessions were held by combining direct lessons - held through short presentations by experts from the Agency for Reconstruction, the regional Civil Protection Service and the University of Ferrara – dept. of Architecture – and debate panels, in which the “interviewer role” was played directly by the Dosso Dossi students, addressing in particular the topics related with prevention emergency management, the preservation of cultural heritage, etc.



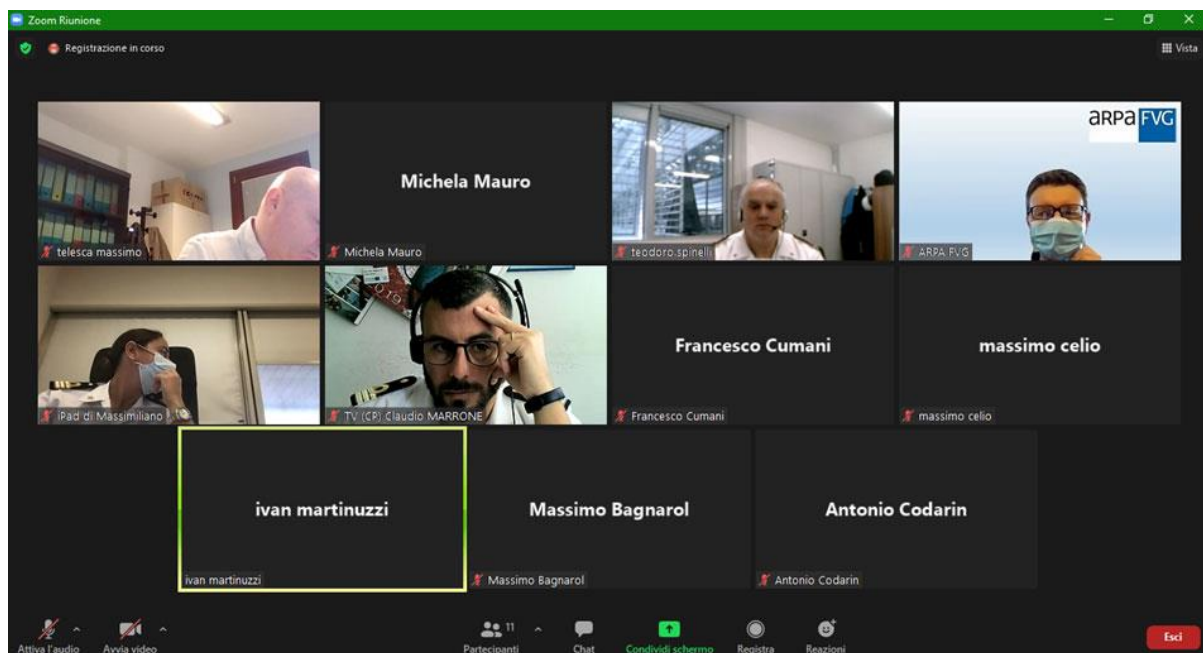
PP11 ENVIRONMENTAL PROTECTION AGENCY OF FRIULI VENEZIA GIULIA

COURSE CONTENT The GNOME software is one of the modeling tools used to improve the technical support provided by the Agency to the competent authorities in the event of oil spills at sea. **SKILLS ACQUIRED BY PARTICIPANTS:** the course aims to provide participants with information on the modern management of environmental emergencies at sea, due to episodes of hydrocarbon release, through the use of innovative technologies that are included in a multidisciplinary approach to the problem. participants will understand how the timeliness of information on the spilled hydrocarbon is improved thanks to the use of the latest generation of detection and sampling tools, while the use of high-performance calculation systems allow to perform simulations on the evolution of the dispersion of the pollutant in real time, during the emergency. finally, the emergence of new professionals will be evident that combine highly specialized skills with traditional environmental knowledge.

CONTENTS: modeling approach to oil-spill emergency management and environmental impact risk assessment. Instrumentation and devices for monitoring during emergencies both in situ and remotely. Skills and knowledge necessary for the development and use of tools for the management of oil-spill emergencies



Sources of environmental pressure from which the risk of oil-spill originates, specifically in the gulf of trieste and in the adriatic sea in general.

TARGET: operators of ARPA FVG, Port Authorities of Trieste and Monfalcone



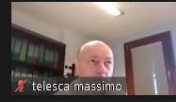
Zoom Riunione

Registrazione in corso


Svolgimento del corso

1. Concetti ed elementi fondamentali della modellistica oil spill
2. Verifica dell'installazione del modello sui PC dei partecipanti
3. Come fruire il servizio per l'oil spill messo a disposizione da ARPA FVG
4. Esercitazione svolta dal docente
5. Esercitazione svolta dai partecipanti e guidata dal docente
6. Esercitazione svolta in autonomia dai partecipanti
7. Domande, chiarimenti, varie ed eventuali




telesca massimo


Michela Mauro




Michela Mauro



teodoro spinelli



ARPA FVG



iPad di Massimiliano

Windows taskbar: 09:17

Registrazione in corso




Il modello di oil-spill GNOME

Guida all'utilizzo della versione desktop

Palmanova, 20/09/2021 Massimo Bagnarol 1



telesca massimo

Michela Mauro



Michela Mauro



teodoro spinelli



ARPA FVG



Massimo Bagnarol

PP15 UNIVERSITY OF PADUA

In the framework of the Pilot project dedicated to earthquake, ICEA Department decided to improve the preparation and operational capacity of fire fighters in the management of urgent post-earthquake technical interventions on Quick Triage. So the training “Technical triage for the assessment and treatment of structural criticalities from seismic events” has been implemented, including a simulation activity. However, the implementation of this last practical part requires an operational support from various operators. For this reason, an experimental laboratory “Management activities and georeferencing of Technical triage” was set up for two times (24 and 25 May 2023). The activity had a duration of 12 hours, involving 22 people with different profiles and extensive capabilities. Through their participation, these people enabled the fifty or so firefighters trained to put into practice the knowledge they had acquired in quick triage, while at the same time developing new personal skills, in particular in terms of data collection activities in the field, to enter and archive field data, etc. To encourage and facilitate their participation of the targets, an attendance fee was provided to the participants.

