

# Specialized trainings/drills for AVCPs

D.4.2.1

1

1

<b>Project Acronym</b>	Firespill
<b>Project ID Number</b>	10255377
<b>Project Title</b>	Fostering Improved Reaction of crossborder Emergency Services and Prevention Increasing safety Level
<b>Priority Axis</b>	Safety and resilience
<b>Specific objective</b>	2.2 - Increase the safety of the Programme area from natural and man-made disaster
<b>Work Package Number</b>	4
<b>Work Package Title</b>	ENHANCEMENT OF EMERGENCY SERVICE ORGANIZATIONS' OPERATIONAL CAPABILITIES- PILOT PROJECTS' DEPLOYMENT
<b>Activity Number</b>	2
<b>Activity Title</b>	FIRE AND EARTHQUAKE PILOT DEPLOYMENT
<b>Partner in Charge</b>	COPE
<b>Partners involved</b>	Nobody
<b>Status</b>	Delivered
<b>Distribution</b>	Public
<b>Date of release:</b>	30/06/2022

## Table of Contents

<b>Training Course.....</b>	<b>3</b>
Introduction .....	3
Participating Volunteer Associations.....	3
<b>OBJECTIVES OF THE COURSE .....</b>	<b>5</b>
<b>EDUCATIONAL PROGRAM.....</b>	<b>6</b>
<b>LESSONS IMPLEMENTATION .....</b>	<b>9</b>
Module A: Regulatory Framework .....	9
Module B: Vegetation Fires.....	10
Module C: Preventive Interventions and Organizational Activities .....	10
Module D: Active Struggle Interventions.....	10
Module E: Safety in Operational Activity.....	10
Module F: Planning and Coordination of the AIB System.....	11
Module G: The Chain of Command in AIB Activities .....	11
Module H: The use of air vehicles in the AIB activity .....	11
Module I: Requirements related to the Post-Intervention.....	11
Module L: Real Cases (Practical Exercise in the Classroom) .....	12
Module M: External Practice Exercise .....	12
Module N: Conclusion of the Course and Final Test.....	12
<b>CONCLUSIVE EVALUATIONS .....</b>	<b>13</b>

## Training Course

### Introduction

The **FIRESPELL Project** ( *Fostering Improved Reaction of Crossborder Emergency Services And Prevention Increasing Safety Level* ) of the Italy-Croatia CBC Programme, financed largely by the European Regional Development Fund (ERDF) aimed at increasing the safety of the areas of the Adriatic basin by monitoring environmental risks of natural origin and / or caused by humans, the strengthening of intervention capacities and the organization of emergency services at cross-border level through the implementation, efficiency and coordination of actions, measures and prevention tools.

As part of this project, a specialization course has been planned for new Volunteers, belonging to various Civil Protection Volunteer Associations located in the Province of Teramo, as AIB Operators Enabled for Fire Extinguishing.

### Participating Volunteer Associations

The training activity for AIB (Forest Fire Fighting) Operators Enabled for Fire Extinguishing, as previously reported, was aimed at a substantial number of Volunteer Associations as follow:

- A.N.VV.F.C Delegazione “Valli Teramane”;
- P.A. Croce Bianca Teramo;
- Corpo Volontari di Protezione Civile “Val Vibrata”;
- Gruppo Cinofilo Volontari Protezione Civile - Lupi del Gran Sasso;
- Protezione Civile Monti della Laga;
- Corpo Intervento Volontario Emergenza e Soccorso (C.I.V.E.S.) Teramo;
- Corpo Volontari di Protezione Civile Corropoli;
- Gruppo Volontari Protezione Civile Giulianova;
- Gruppo Volontari Protezione Civile Cellino Attanasio;

- Aquile del Parco;
- Corpo Volontari Protezione Civile Roseto degli Abruzzi;
- Gruppo Comunale Volontari di Protezione Civile Torricella Sicura;
- Corpo Volontari Protezione Civile Nereto;
- Corpo Volontari Protezione Civile Tortoreto;
- Società Nazionale di Salvamento – Sezione di Teramo.

The PP2-COPE has entrusted the tutoring of the course to C.I.V.E.S. Teramo, given its decades-long experience in the AIB (Forest Fire Fighting) sector.

CIVES made available for it 3 Volunteers and related equipment.

## OBJECTIVES OF THE COURSE

The training course has the objective of training approximately 60 PC Volunteers, belonging to various associations present and operating in the territory of the Province of Teramo, many of which have agreements with the Regional Agency of Civil Protection for the AIB campaign, planned annually in the summer months.

The training of new operators according to the most recent sector regulations contributes substantially to the prevention and active fight against forest fires, strengthening the intervention capacity of the regional system.

## EDUCATIONAL PROGRAM

The Didactic Program has been drawn up in compliance with the provisions of Annex A to DGR No. 383/2021 containing, in fact, the " *Criteria for the training of people in charge of extinguishing forest fires* ".

Specifically, reference was made to Point No. 4 of the aforementioned document, providing for a total of 30 hours of training divided into 22 Hours of Theoretical Training in the Classroom and 8 Hours of Theoretical-Practical Training carried out partially on the land.

All Theoretical and Theoretical-Practical lessons were held by highly qualified teachers or Volunteer Trainers accredited to the DPC, as well as staff of the Carabinieri Command Forestry, Environmental and Agri-food Units (CUFAA) and the National Fire Brigade (CNVFF).

On the following page you can find a summary of the lessons carried out, divided by module with an indication of the topics covered.

MODULE	MATTER	HOURS	TOPICS COVERED
<b><u>THEORETICAL LESSONS</u></b>			
A	Regulatory Framework	3	<ul style="list-style-type: none"> <li>• <i>Legislation on forest fires (Legislative Decree No. 177/16, Law No. 353/00, Legislative Decree No. 1/2018, State-Regions Framework Agreement, etc.);</i></li> <li>• <i>Bodies / Institutions of the AIB system: Region, Provinces and Municipalities;</i></li> <li>• <i>The Operational Rooms: the SOUP, the SOR of the Regional Fire Brigade, the SOPs of the Fire Brigade Commands (competences and mutual coordination);</i></li> <li>• <i>Regional laws, AIB regional plans, national parks;</i></li> <li>• <i>The Conventions</i></li> </ul>

B.	The Fires of Vegetation	4	<ul style="list-style-type: none"> <li>• <i>The triangle of fire, the phases of combustion, definition of fire.</i></li> <li>• <i>Forest fire name and description (operational names, fire description: fire parts and front types, fire parts, front types)</i></li> <li>• <i>The factors of the fire (Topographical factors, meteorological factors, vegetable fuel factor, fuel classifications)</i></li> <li>• <i>Danger of forest fires (the evolutionary phases of a fire, interface situations, levels of complexity of forest fires);</i></li> </ul>
C.	Preventive interventions and Organizational Activities	3	<ul style="list-style-type: none"> <li>• <i>Prevention: operational viability; fire screens, water supply;</i></li> <li>• <i>Organization of activities and related levels of responsibility (Organization of the operational scenario according to risk);</i></li> <li>• <i>The preventive phases (sighting, reporting).</i></li> </ul>
D.	Active Struggle Interventions		<ul style="list-style-type: none"> <li>• <i>Active Fight: extinguishing equipment and means, extinguishing strategies: first attack, direct and indirect attack, counter-fire, containment, extinction and reclamation.</i></li> <li>• <i>The phases of shutdown (district, control of the fronts, reclamation).</i></li> <li>• <i>The use of a method</i></li> <li>• <i>Extinguishing operations (activation of intervention forces, direction of extinguishing, organization of the overall strategy and application of intervention tactics, approach, extinguishing the flames, reclamation, intervention closure, intervention closure)</i></li> </ul>
E	Operational Safety	2	<ul style="list-style-type: none"> <li>• <i>Risks in the environment during AIB activities;</i></li> <li>• <i>Individual Protection Devices;</i></li> <li>• <i>The preventive measures;</i></li> <li>• <i>Responsibilities;</i></li> </ul>
F.	The Planning and Coordination of the AIB System	2	<ul style="list-style-type: none"> <li>• <i>AIB planning of the Abruzzo Region;</i></li> <li>• <i>The communication of the event and the flow of information;</i></li> <li>• <i>Extinguishing coordination system;</i></li> </ul>



G.	The Chain of Command of AIB Activities	2	<ul style="list-style-type: none"> <li>Decision support systems (the state of danger, hazard indices and AIB bulletins, behavior prediction models)</li> <li>Duties and responsibilities within the chain of command in AIB activities (assigned functions and levels of responsibility, use of AIB volunteering)</li> </ul>
H.	The use of air vehicles in the AIB business	2	<ul style="list-style-type: none"> <li>The AIB activity and the principles of intervention of the regional and state air fleets (the AIB activity and the air vehicles, principles of intervention of the regional and state air fleets, duties and responsibilities in the use of air vehicles)</li> <li>Types of aircraft used in forest fire fighting (classifications of AIB aircraft, fixed wing aircraft, rotary wing aircraft, RPAS and their use for reconnaissance activities)</li> </ul>
THE	Fulfillments related to the Post-Intervention	1	<ul style="list-style-type: none"> <li>Notes on urgent technical investigations and investigations by the judicial police: the search for any sources of evidence referable to negligent or malicious behavior (hints) (role of the Head of the theater of operations in the judicial police, urgent investigations and the seizure of the starting area of the fire, hints on the crime of forest fires, reports against foreigners - right to the interpreter and to the translation of fundamental documents, notification to the injured persons, search for any sources of evidence referable to culpable or malicious behavior)</li> </ul>
<b><u>PRACTICAL LESSONS</u></b>			
L	Real cases (Classroom exercise)	2	<ul style="list-style-type: none"> <li>Classroom exercise (interactive development of the same contents through the use of audio-visuals of real cases of vegetation and forest fire on silent cartography, projection of films)</li> </ul>
M.	External Practice Exercise/Drill	4	<i>For the details of this exercise/drill, please refer to the dedicated Report</i>
N	Conclusion of the Course	2	<ul style="list-style-type: none"> <li>Final considerations;</li> <li>Satisfaction test;</li> <li>Verification of learning</li> </ul>

## LESSONS IMPLEMENTATION

All the lessons were held paying attention to full compliance with the provisions given by §4 of Annex A to DGR n. 383/2021. In particular, given the limit of 40 students in the classroom, it was decided to divide the approximately 60 initial members into two "Sections" who carried out the training activities separately, according to a meticulously planned calendar.

During the lessons in the classroom, specific attention was always paid to compliance with the health rules from Covid-19, maintaining the necessary distance and imposing the use of FFP2 masks, as well as making use of the on-line training mode within the limits set by the aforementioned attached.

In this regard, it is important to underline that during the training activities there have never been any outbreaks (clusters); a condition not at all obvious if we take into account the strong transmissivity of the most recent variants of SARS-COV2.

Almost all of the course took place at the Multifunctional Room made available by the Municipal Administration of Sant'Omero, with the exception of Module B, held in the Multifunctional Room of the Province of Teramo and for Module M which was carried out in mountain area of Monte Tre Croci in the Municipality of Teramo.

### Module A: Regulatory Framework

<b>Participants in Presence</b>	47
<b>Remote participants</b>	0
<b>Absent</b>	18
<b>Teacher</b>	Dr. Iolanda Piersanti <i>Volunteer Trainer of the Abruzzo Region</i>

## Module B: Vegetation Fires

<b>Participants in Presence</b>	41
<b>Remote participants</b>	9
<b>Absent</b>	15
<b>Teacher</b>	Dr. Gualberto Mancini <i>Provincial Forestry Carabinieri Commander in Teramo</i>

## Module C: Preventive Interventions and Organizational Activities

<b>Participants in Presence</b>	30
<b>Remote participants</b>	18
<b>Absent</b>	16
<b>Teacher</b>	Geom. Maurizio Di Stefano <i>Responsible for Logistics Resources and Civil Protection Provincial Command of Fire Brigade of Teramo</i>

## Module D: Active Struggle Interventions

<b>Participants in Presence</b>	43
<b>Remote participants</b>	8
<b>Absent</b>	14
<b>Teacher</b>	Ing. Rodolfo Di Odoardo <i>Firefighting Director of the Provincial Command of the Fire Brigade of Teramo</i>

## Module E: Safety in Operational Activity

<b>Participants in Presence</b>	43
<b>Remote participants</b>	8
<b>Absent</b>	14
<b>Teacher</b>	Christian Rossi <i>Volunteer Trainer of the Abruzzo Region</i>

## Module F: Planning and Coordination of the AIB System

<b>Participants in Presence</b>	36
<b>Remote participants</b>	9
<b>Absent</b>	20
<b>Teacher</b>	Dr. Gualberto Mancini <i>Provincial Carabinieri Commander Forestry of Teramo</i>

## Module G: The Chain of Command in AIB Activities

<b>Participants in Presence</b>	36
<b>Remote participants</b>	9
<b>Absent</b>	20
<b>Teacher</b>	Ing. Rodolfo Di Odoardo <i>Firefighting Director of the Provincial Command of the Fire Brigade of Teramo</i>

## Module H: The use of air vehicles in the AIB activity

<b>Participants in Presence</b>	19
<b>Remote participants</b>	15
<b>Absent</b>	21
<b>Teacher</b>	Ing. Rodolfo Di Odoardo <i>Firefighting Director of the Provincial Command of the Fire Brigade of Teramo</i>

## Module I: Requirements related to the Post-Intervention

<b>Participants in Presence</b>	19
<b>Remote participants</b>	15
<b>Absent</b>	21
<b>Teacher</b>	Dr. Antonio Bernardi <i>Former Deputy Commissioner and Traffic Police Coordinator of Teramo</i>

### Module L: Real Cases (Practical Exercise in the Classroom)

<b>Participants in Presence</b>	44
<b>Remote participants</b>	0
<b>Absent</b>	3
<b>Teacher</b>	Ing. Rodolfo Di Odoardo <i>Firefighting Director of the Provincial Command of the Fire Brigade of Teramo</i>

### Module M: External Practice Exercise

As regards the practical exercise in the environment, please refer to the related report.

### Module N: Conclusion of the Course and Final Test

<b>Participants in Presence</b>	46
<b>Remote participants</b>	0
<b>Absent</b>	2
<b>Teacher</b>	Fabio Ferrante <i>Regional Agency Officer of Civil Protection</i>

## CONCLUSIVE EVALUATIONS

With regard to the foregoing, it is believed that overall the objectives set have been fully achieved both by the context of the FIRESPILL Project ( *strengthening of the intervention capacities and organization of emergency services* ) and by the specific training course for AIB Operators Enabled to extinguish referred to to DGR 383/2021: of the approximately 60 initial members, net of those who were excluded for exceeding the absence limits and those who were not eligible following the final examination, 41 Volunteers obtained the qualification, who will be able to actively work against the forest fires, already from the AIB 2022 Campaign of the Abruzzo Region.