

“Forest Fire Fighting in the Marche Region”



Susanna Balducci - Gianni Scamuffa

Regional Departement for Integrated Policies of Security and
for Civil Protection – MARCHE REGION



LAW n. 353/2000: Framework bill on Forest Fires

The State is responsible for guiding, coordinating and monitoring the activities.

In particular, through COAU –
Joint Aircraft Operations Centre,
the Civil Protection Department is responsible
for coordinating the **State Fleet**.

REGIONAL ACTIVITIES regarding Forest Fire Fighting

The Regions are responsible for activating **OPERATION ROOMS** to coordinate the various organizations engaged in fire fighting and also civil protection operations, where required.

The Regions are also responsible for activating **regional prediction, prevention and operational PLANS** updated every year.

Specific arrangements and agreements with the National Forestry Commission and the National Fire Brigade are established on a local basis in the plans, as well as with the **network of volunteers**.

Forest Fires – the Marche Region

Approximately **89% of the territory** of the Marche Region consists of hilly or mountainous terrain, **covered mostly (about 30%) by the woodland.**

Studies have been conducted in collaboration with the Forestry Commission, that have focused on the climate and the geomorphological and botanical aspects of the region. Following the processing of the data thus obtained the Marche Forestry Commission produced a **paper on the risk of forest fires, as a result we now know how high the risk of forest fires is for each area in the territory.**

The forest fires are closely connected with the changing seasons and weather conditions: **in the Marche Region forest fires occur mainly in the summer.**



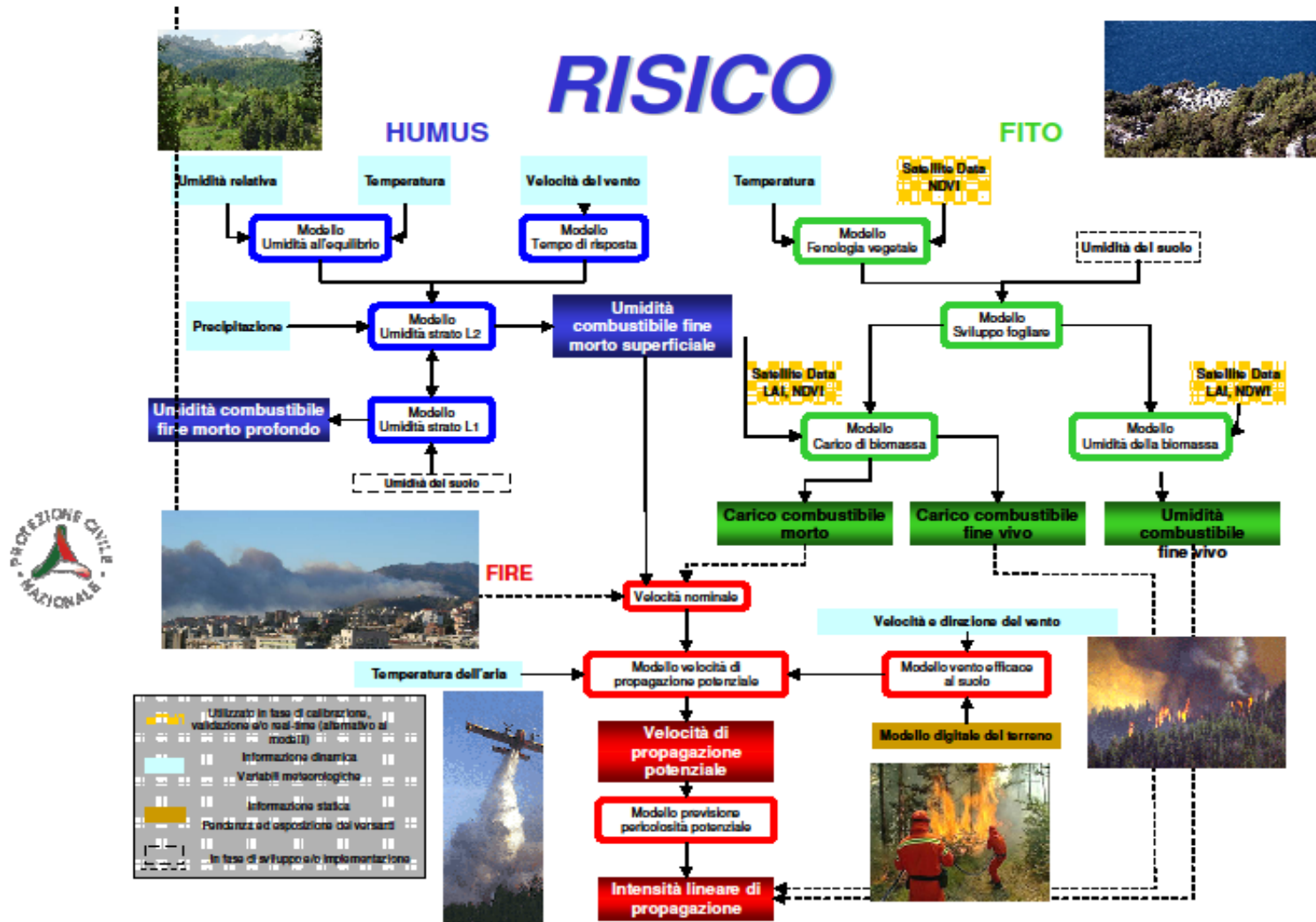
"REGIONAL PLAN for FOREST FIRE FIGHTING"

- **PLANS** the active struggle;
- **ENSURES** the coordination of local and national structures;
- **SETS UP** and **MANAGES** the **Permanent Unified Operation Room** with continuous operation during periods of Forest Fire risk;
- **MAKES available** its own aircraft and resources as well as the teams on the ground of *the Fire Brigade, the Forestry Commission and voluntary Organizations.*


Work closely with the Marche Region:

- the **PROVINCES** on sightings;
- the **MOUNTAIN COMMUNITIES** with the logistics;
- the **MUNICIPALITIES** to activate the procedures of *their Municipal Fire Plans* and in any case to assist the operators in the area of the event.

THE FUNCTIONAL CENTER of the MARCHE REGION - AREA WEATHER FORECAST



PERMANENT UNIFIED OPERATION ROOM (SOUP)

The background image shows a control room or operation room. It features several desks with computer monitors, some displaying maps or data. There are office chairs and desk lamps. The room appears to be a hub for monitoring and communication.

The Operation Room, on duty 24/7, is a COMMUNICATION HUB providing information and is a coordination and technical SUPPORT for LAND MONITORING .

Radio equipment is connected to the regional radio network, dedicated to spoken communication, which is distributed to all the Municipalities, the Provinces, The Mountain Communities, the Prefectures, as well as in the headquarters of the Marche Fire Brigade, of the Marche Forestry Commission and of the Coast Guard.

The **Operating Procedures on forest fires** have been prepared **for the operators** of the Operation Room in such a way that all the steps are respected and **the information of all stakeholders are guaranteed.**

CAMPAGNA A.I.B. 2013

Procedure operative per OPERATORI SOUP

Vengono di seguito SINTETICAMENTE elencate le procedure operative di riferimento per gli operatori SOUP, inerenti scenari di tipo AIB. Tali procedure non sostituiscono i documenti ufficiali già presenti in SOUP, ma possono considerarsi un valido ausilio proprio per il loro carattere di tipo riassuntivo.

VERIFICHE DI TIPO GIORNALIERO

a) Ogni giorno debbono essere raccolti i modelli "A" inviati dalle organizzazioni di volontariato,

- avendo cura di farne una duplice copia (una per finalità amministrative/Cesarina Santinelli + una che rimarrà agli atti in SOUP),
- fascicolandoli per Provincia, affinché risulti semplice il confronto con le turnazioni e, se necessario, la consultazione dei numeri di telefono dei volontari in turno.

b) Quotidianamente si deve procedere alla verifica delle turnazioni depositate in SOUP, confrontandole con i modelli "A" pervenuti.

- nel caso di incongruenza, va verificato il motivo per cui l'organizzazione risultante in turno non ha provveduto all'invio del modello "A".

A SEGUITO DI SEGNALAZIONE DI INCENDI

1) In caso di segnalazione di incendio,

- A)** contattare via telefono l'organizzazione di volontariato/NOS più vicina all'evento segnalato e invitarla a verificare l'effettiva situazione, ricordando di attenersi alle procedure operative per i volontari AIB.
- B)** Informare i funzionari CFS e VVF presenti in SOUP, o se fuori turno, per il tramite delle rispettive sale operative.
- C)** Raccogliere tutte le informazioni necessarie alla classificazione dell'evento, attraverso la squadra NOS giunta sul posto.

2) In caso di incendio confermato:

- A)** Aggiornare i funzionari CFS e VVF presenti in sala, o se fuori turno, per il tramite delle rispettive sale operative;
- B)** Informare la PO/AP reperibile;
- C)** Allertare il personale reperibile;
- D)** Informare il Sindaco sul cui territorio si è verificato l'evento;
- E)** Informare la stazione dei carabinieri competente per territorio;
- F)** Informare la Provincia sul cui territorio si è verificato l'evento, contattando il funzionario reperibile;
- G)** Informare la Comunità Montana sul cui territorio si è verificato l'evento;
- H)** Informare l'Ente Parco/Riserva naturale statale sul cui territorio si è verificato l'evento;

- I)** Informare il responsabile della pianificazione speciale, dei procedimenti AIB e del volontariato, se non reperibili;
- L)** Nell'ipotesi in cui l'incendio assuma una rilevanza importante, informare il Direttore del Dipartimento.

2.1) Allertare la squadra/le squadre in turno di reperibilità;

- 2.2) Nel caso le forze in campo non siano sufficienti a fronteggiare l'evento, richiedere l'intervento delle organizzazioni di volontariato presenti sul territorio,**
- seguendo il criterio della distanza, in rapporto al luogo dell'evento, consultando la planimetria del territorio provinciale di riferimento (allegata alle turnazioni), dove sono indicati in rosso i Comuni in cui sono presenti i volontari abilitati ad intervenire su incendi boschivi.

- 2.3) In rapporto all'entità dell'evento (Superficie coinvolta), alla sua natura (Bosco/interfaccia), alla sua ipotetica durata (Tempi di intervento), e quando viene costituito il PCA, provvedere a richiedere al Sindaco l'attivazione del proprio piano AIB e la presenza sul luogo dell'evento di un rappresentante del Comune con potere decisionale.**

- 2.4) Mantenere costanti rapporti con il DOS/ROS presenti sul posto, al fine di avere la situazione costantemente aggiornata relativamente all'evolversi dell'evento.**

- 3) Nell'ipotesi in cui venga richiesto dal CFS/VVF di effettuare il controllo/monitoraggio notturno dell'incendio:**
- richiedere al Sindaco di provvedere ad individuare personale afferente al Comune (funzionari, volontari anche non AIB, etc), che assuma tale incarico, indicando alla SOUP nominativi e recapiti telefonici.

N.B. Presso la stazione ferroviaria di Fabriano è posizionato un carro antincendio di RFI, appositamente allestito per l'intervento in caso di incendi che possano interessare la sede ferroviaria.

Laddove il ROS (Responsabile Operazioni Soccorso) dei VVF dovesse contattare i COORDINATORI ESERCIZIO INFRASTRUTTURA di Roma per l'attivazione di tale carro, i numeri di riferimento sono:

- tel 06.47306217;
- cell. 3138095700.

COLLABORATION with the FORESTRY COMMISSION

Three-year Agreement between the Marche Region and the Ministry of Agriculture, Food and Forestry **to collaborate with the Marche Forestry Commission**, in the context of regional activities (2013 – 2016)

1) Annual Agreement

for the use of A HELICOPTER
in the activities of Forest Fire Fighting,
Civil Protection and Environmental Monitoring,
at regional level.

The USE of HELICOPTER AB 412/CFS:

- **PERIOD of Forest Fire Fighting**
15 JUNE – 15 SEPTEMBER
Double Crew coverage the Ephemeris
(80 hours flight)
- **EXTRA PERIOD of Forest Fire Fighting**
01 JUNE–14 JUNE; 16 SEPTEMBER–31 DECEMBER
(40 hours flight)



COLLABORATION WITH THE FORESTRY COMMISSION

2) Annual Agreement for the activities of PREDICTION and PREVENTION and FIGHTING of FOREST FIRES.

- Reconnaissance activities throughout the region of water points;
- Survey of the burned areas, aimed at creating / updating, by the Municipalities, the Cadastre (land register) of burned areas;
- Activation of the helicopter in the Convention;
- Activation of the Air Fleet of State (14 Canadair) and ensure a Director of fighting operations (DOS);
- Coordination of volunteers and presence of an official in regional Operation Room during the period of Forest Fire Risk;
- Operating Units Shutdown with fire trucks and related human resources;
- Investigations;
- Training.



COLLABORATION with the NATIONAL FIRE BRIGADE

Three-year Agreement between the Marche Region and the Ministry of Interior – Department of Firefighters, of Public Rescue and Civil Defense, in the context of regional activities (2014–2017)

1. ANNUAL AGREEMENT for the activities of Forest Fire Fighting



Each year, **the enhancement of the service of Firefighters is activated during the period of maximum danger (01/07 – 15/09)** for a period of 44 days **for 12 hours a day.**

The expansion of the service will cover the formation of 2 teams of permanent Firefighters for each provincial Command, for a total of 8 teams, with daily service from 08.00 am to 08.00 pm, as follows:

- 2 teams for the territory of the *Province of Ancona* and the *Regional Park of Monte Conero*, for a total of 10 units of staff;
- 2 teams for the territory of *Province of Pesaro-Urbino and the Colle San Bartolo*, for a total of 9 units of staff;
- 2 teams for the territory of the *Province of Macerata*, for a total of 8 units of staff;
- 2 teams in the *Province of Ascoli Piceno and the Province of Fermo*, for a total of 9 units of staff.

2) ANNUAL AGREEMENT

for the presidium of Permanent Unified Operation Room and others activities.

- Training of civil protection Volunteers;
- Presence of Firefighters in the Operation Room (SOUP) (during the period of maximum danger for forest fires, ensure the presence of an operator and a Technical Officer – the hours are extended in case of major interventions in progress).
- **Any other activity that involves the Firefighters** for different tasks and in addition to those done in the normal way, **such as training missions and simulations.**

**Annually the OPERATING PROCEDURES
for the emergency management of Forest Fires
are agreed and signed by the regional Civil Protection –
the Firefighters – the Forestry Commission**

**These are the procedures governing the activities of all those
involved in the management of Forest Fire Fighting:**



- Report of fire;
- Early intervention;
- Advanced Point of Coordination (PCA);
- Unit/Core in contact with the Fire;
- Functions of the Director of Fighting Operations (DOS – Forestry Commission);
- Functions of the Head of Rescue Operations (ROS – Fire Brigade);
- Functions of the DOS and the ROS in situations of Forest Fires and Interface

The "Directions for the activities of Forest Fire Fighting"

are followed by all voluntary Organizations:

- **Maximum Age to carry out** the activities of Forest Fire Fighting;
- **Team-type of early intervention;**
- **Procedures to be used by the emergency response team:**
 - arrival on site in the absence of DOS / ROS,
 - arrival on site in the presence of DOS/ROS,
 - period of activity,
 - Benefits Law,
 - Insurance,
 - Motor vehicles.

REGIONAL PROGRAM OF HEALTH CONTROL FOR FOREST FIRE FIGHTING VOLUNTEERS

- Since 2003 the Marche Region has established **free medicals**, required for the exercise of voluntary activities of civil protection and emergency medical service.
- Since 2012 “Procedures for the implementation of **health checks for volunteers, who participate in the Civil Protection activities related to the forest fires fighting**”.

DGR 934/2012 "Procedures for the implementation of health checks for volunteers, who participate in the Civil Protection activities related to the forest fire fighting".

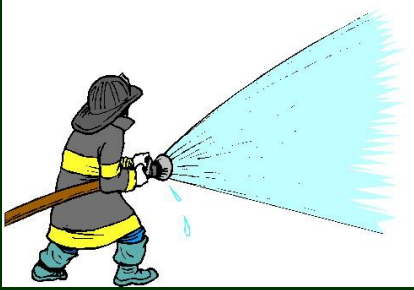


HEALTH PROTOCOL:

- A) health check with establishment of **personal medical records** (medical history, clinical exam, visus examination);
- B) Electrocardiogram;
- C) Spirometry;
- D) Tetanus vaccination.
- E) Any further investigations, such as audiometry, blood tests, etc.. considered necessary by the medical certifier.



Age limits for the activities of Forest Fire Fighting



By analogy with the provisions of the National Fire Brigades, the maximum age for practising Forest Fire Fighting, is **fixed at 58 years old**.



Volunteers between the age of 58 years and 65 years, with a certificate of attendance to the second module of the forest fire fighting training course, can participate in the composition of the team of emergency **but must limit their activities to the support of other colleagues** (eg, driver, operator module) .




All volunteers engaged in Forest Fire Fighting must undergo health checks to certify the eligibility **every two years until they are 65 years of age**.

The teams called **"OPERATING UNITS TO PUT OUT THE FIRES":**


- the Forest Fire Fighting module,
- The crew type is composed of 3 *trained Forest Fire Fighting 2nd level* volunteers.

REGIONE MARCHE Dipartimento per la Protezione Integrata di Sicurezza e per la Protezione Civile						
Campagna A.I.B. 2013 (SCHEMA TURNAZIONI PRONTA PARTENZA / N.O.S. - REPERIBILITA') 01/07/2013 - 15/09/2013						
AREAZONA/TERRITORIO "MACRO AREA" 2 (ZONA "POTENZA")						
Giorno	Gruppo comunale	Mezzo (1/2foraggi)	Equipaggio	Postazione (Sede pronta partenza)	Riferente organizzazione (N° cellule)	Reperibilità
29/07/2013	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	GIORGINI GIORGIO ZAMPONI CLAUDIO	CASTELRAIMONDO	Califone Carmine 3351498424	Gruppo/Associazione a)
	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	GIORGINI GIORGIO MOSCONI ROBERTO	CASTELRAIMONDO	Califone Carmine 3351498424	Gruppo Comunale FIUMINATA Riferente Grandoni Corrado Cellulare 3352318091
	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	GIORGINI GIORGIO ZAMPONI CLAUDIO	CASTELRAIMONDO	Califone Carmine 3351498424	Gruppo/Associazione b)
	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	GIORGINI GIORGIO MOSCONI ROBERTO	CASTELRAIMONDO	Califone Carmine 3351498424	Potere/Cellulare
	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	GIORGINI GIORGIO MOSCONI ROBERTO	CASTELRAIMONDO	Califone Carmine 3351498424	Gruppo/Associazione c)
	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	LUPATI STEFANO FORCARELLI DAVIDE	CASTELRAIMONDO	Califone Carmine 3351498424	Riferente/Cellulare
04/08/2013	Gruppo Comunale CASTELRAIMONDO	DR 760 MT	MARINI GIULIANO FORCARELLI DAVIDE	CASTELRAIMONDO	Califone Carmine 3351498424	

Giorno	Gruppo comunale	Mezzo (1/2foraggi)	Equipaggio	Postazione (Sede pronta partenza)	Riferente organizzazione (N° cellule)	Reperibilità
05/08/2013	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	ONESTÀ RICIOLI	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	Gruppo/Associazione a)
	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	DI MATTEO RICIOLI	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	GC San Sereino Marche Riferente Dipensi Cellulare 333 4133985 SOLO 19 agosto 2013
	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	NEGRONI BORIO	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	Gruppo/Associazione b)
	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	ONESTÀ D'AMIELO	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	Gruppo Comunale FIUMINATA Riferente Grandoni Corrado Cellulare 3352309008
	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	DI MATTEO FORNARINI	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	Gruppo/Associazione c)
	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	FORNARINI RICIOLI	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	Riferente/Cellulare
11/08/2013	Gruppo Comunale PIORACO	Insu D-Max DR 751 MT	ONESTÀ	Sede PC Viale della Vittoria	Onesta Vito 331-6424023	



Campagna A.I.B. 2013
(SCHEMA TURNAZIONI PRONTA PARTENZA / N.O.S. - REPERIBILITA')



PROVINCIA DI MACERATA


Descrizione : 4 Sq.NOS per Macro Aree Territoriali

Macro Area 1 "Cingoli Poggio S. Vicino": Cingoli, Poggio San Vicino

Macro Area 2 "Zona Potenza": Pioraco, S. Severino Marche, Matelica, Castelraimondo, Fiuminata, Sefro, Esanatoglia (Gagliole)

Macro Area 3 "Alta valle dei Chienti": Serravalle di Chienti, Montecavallo (Camerino, Pieve Torina, Fiastra, Acquacarina, Pievebovigliana, Muccia, Bolognola, Visso, Fiordimonte, Ussita)

Macro Area 4 "Zona Monti Azzurri": Colmurano, Petriolo, Gualdo, Tolentino, Sant'Angelo in Pontano, Penna San Giovanni, Cessapalombo, Caldarola (S. Ginesio, Serrapetrona, Loro Piceno, Samano, Ripe S. Ginesio, Mogliano, Urbisaglia, Belforte Chienti, Camporotondo, Samano)



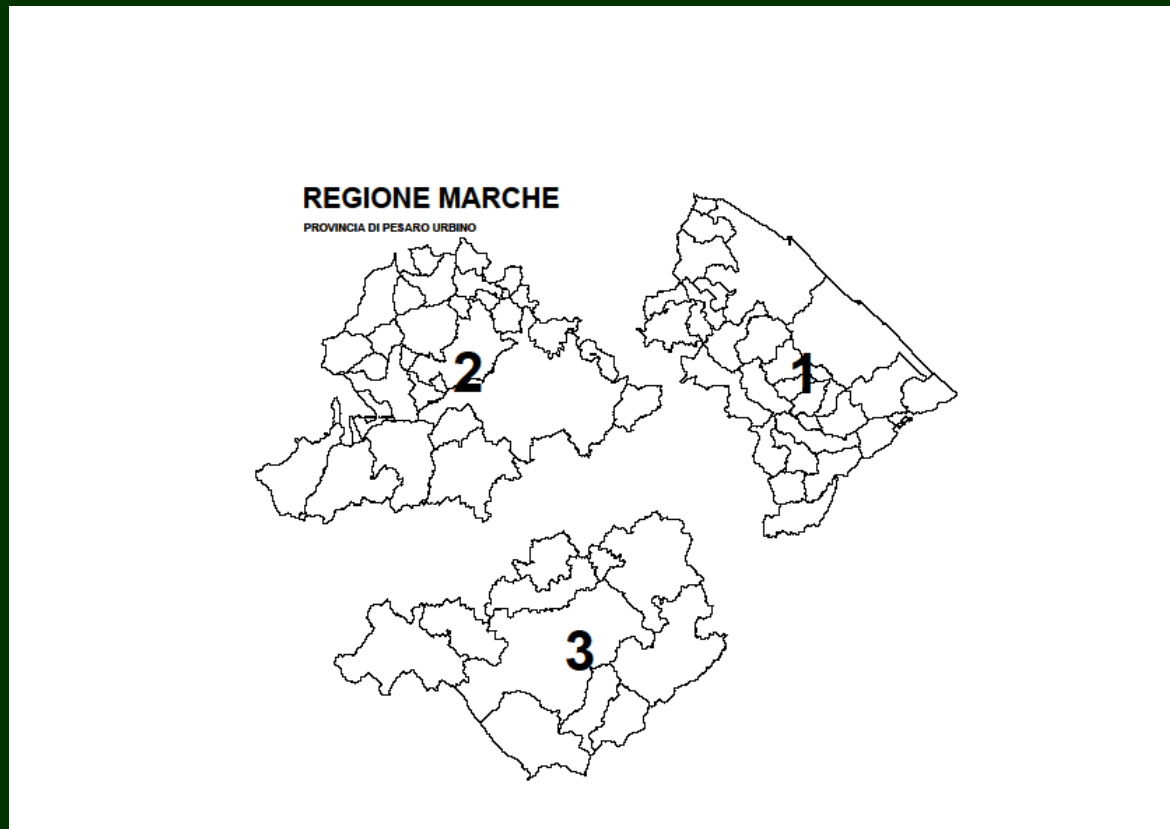
VOLUNTARY ORGANIZATIONS

THE SHIFTS of the teams called **"OPERATING UNITS TO PUT OUT THE FIRES"** are prepared for all **PROVINCES.**

These shifts will be used by the operators of the Permanent Unified Operation Room

Province of Pesaro and Urbino

The territory it's been divided into 3 main areas.
On these zones are operational teams NOS from 1 July to 15 September :
23 voluntary organizations, 220 rounds, about 550 men.

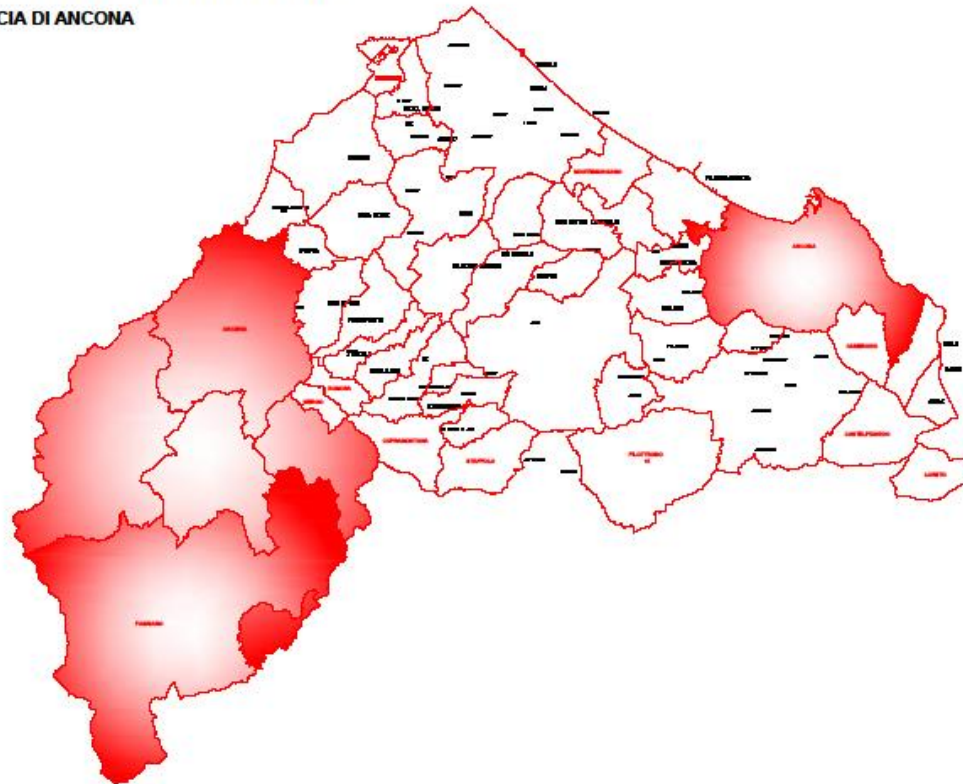


Province of Ancona

The territory it's been divided into 2 main areas : Fabrianese/Conero.
10 voluntary organizations, 238 rounds, about 600 men.

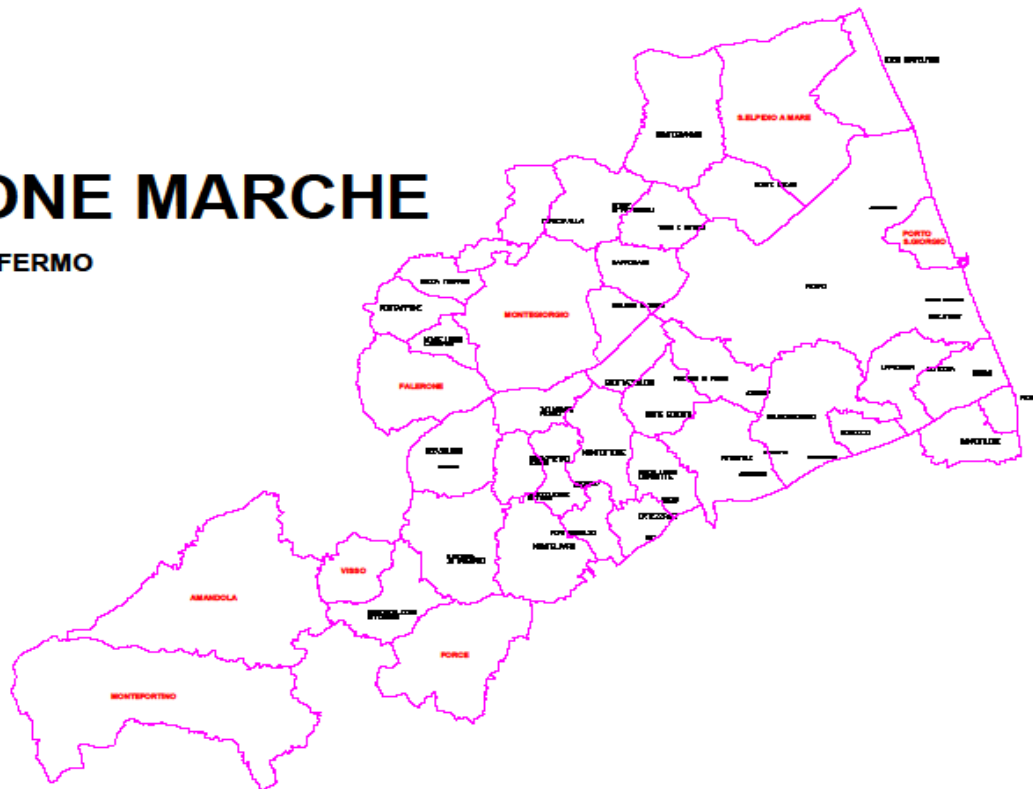
REGIONE MARCHE

PROVINCIA DI ANCONA



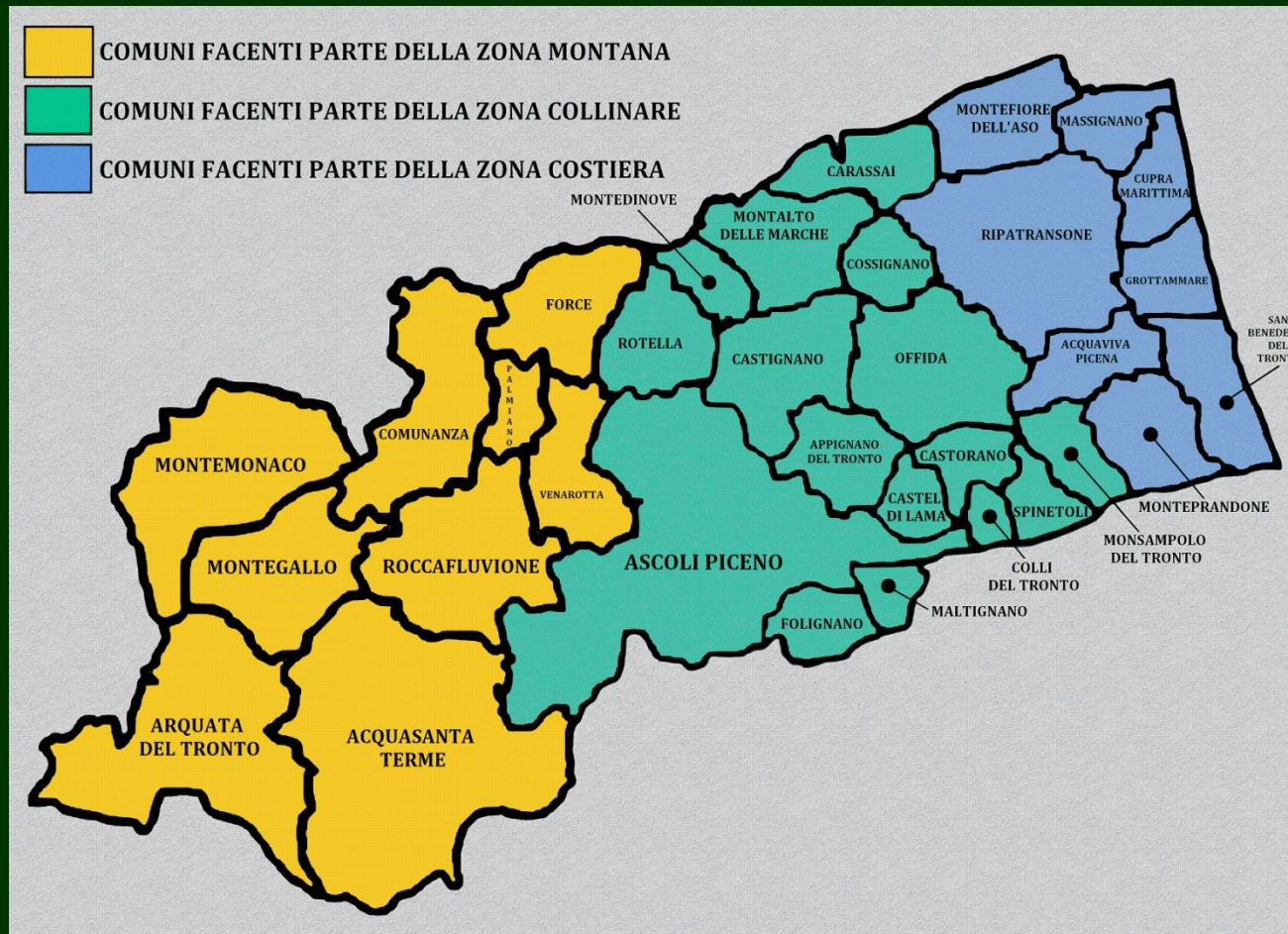
Province of Fermo

The territory it's been divided into 3 main areas.
On these zones are operational teams NOS from 1 july to 15 September :
7 voluntary organizations, about 200 men

**PROVINCIA DI FERMO**

Province of Ascoli Piceno

The territory it's been divided into 3 main areas.
13 Voluntary organizations, 231 rounds, about 550 men.



Province of Macerata

The territory it's been divided into 4 main areas.
19 Voluntary Organizations, 211 rounds, about 500 men.



**Thanks
for your attention!**