



D.3	Report of the pilot exercise
MEFISTO	Mediterranean Forest Fire Fighting Training Standardization

MEFISTO Deliverable D.3

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MEFISTO consortium



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Italy



Report of the Pilot Exercise

“La Pineta” Training Centre, Tocchi, Siena (Italy)

December 12th - 13th, 2018

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Executive summary

After the pilot training course held in Valabre on May 2018, MEFISTO partnership moved to Italy for the final main step of MEFISTO project. As planned since the beginning, the 12 Incident commanders who attended the pilot training course were called to attend the pilot exercise too. During this event, two days were dedicated to the practical training of the first European Forest Fire Officers (EUFO). Thanks to the organization and facilities provided by Regione Toscana in the Regional Training Centre of “La Pineta”, located in a forest area in the surroundings of Siena, the trainees had the possibility to test their skills and their capacities in field as EUFOs, during a simulation of big fire. This document reports about the activities carried out and the final evaluation about the training, including a SWOT analysis.

1. MEFISTO Pilot Exercise for European Forest Fire Officer (EUFO)

1.1. Venue

The MEFISTO pilot training exercise was organized in the training centre called “La Pineta”, located in the surroundings of Siena (Italy) (Figure 1). The complete address is: strada Provinciale delle Pinete 32/A, 53015 Monticiano – Loc. Tocchi, Siena. La Pineta is a reference in Italy regarding training activities for forest fire fighters. It was built in 2007, and it is actually used to train all forest fire operators in Tuscany, including prevention issues. Currently, 18 different courses are carried out in the centre, all of them dealing with forest fire fighting, among which courses for basic operators, courses on safety under forest fire fighting conditions, all-terrain fire fighting vehicles courses, as well as courses designed for team leaders, lookouts, operational room staff, forest engineers, Incident commander, staff dealing with fire-related activities, and for designers of prescribed burning workplaces.



Figure 1: “La Pineta” training centre.

1.2. Organization of the pilot exercise

The pilot exercise has been an important completion of the activities carried out during the EUFOs' pilot training course held in Valabre on May 2018. During that event, three Incident Commander of each participant country (France, Italy, Portugal and Spain) were trained to become European Forest Fire Officer (EUFO). The EUFO is a figure created by MEFISTO to answer to the increasing needs of collaboration during big fires across Europe. Complete information about EUFO, its roles and skills are reported in the deliverable D_E.1 – *“Common and shared list of training programs”* (https://www.mefistoforestfires.eu/sites/default/files/action/doc/mefisto_d_e_1.pdf), while details about the pilot training course are available in the deliverable D_E.3 *“Report of the pilot training course”*

https://www.mefistoforestfires.eu/sites/default/files/action/doc/d_e.3_pilottraining_report_final.pdf).

As a brief reminder, the EUFO has to:

- be a liaison officer in major fires;
- be the leader of the external forces involved in a transboundary mission;
- provide an added value of common knowledge (at European level) in major fires (advisory function);

Starting from this premise, a two days' exercise has been organised by Tuscany Region. Thanks to weather conditions, the first day (December 12th) was dedicated to in-field exercise, while in the second day (December 13th) the activities were indoor.

1.2.1 The in-field exercise

The exercise was organised in a forest area close to the training centre, and the Incident Command Post was located in “Pian delle Tende” area. The event simulated was a 600 ha forest fire, in a hypothetical date of July 15th, which in Tuscany is a period normally characterized by high fire risk. The

initial idea was to carry out three prescribed burns in parallel with the exercise, to have a higher level of simulation. Unfortunately, the prescribed meteorological parameters were good except humidity, which was very high due to an unexpected change of the weather in the night between December 11th and 12th (Figure 2). For this reason, it was impossible to make the prescribed burns, and the exercise had no real fires to manage.

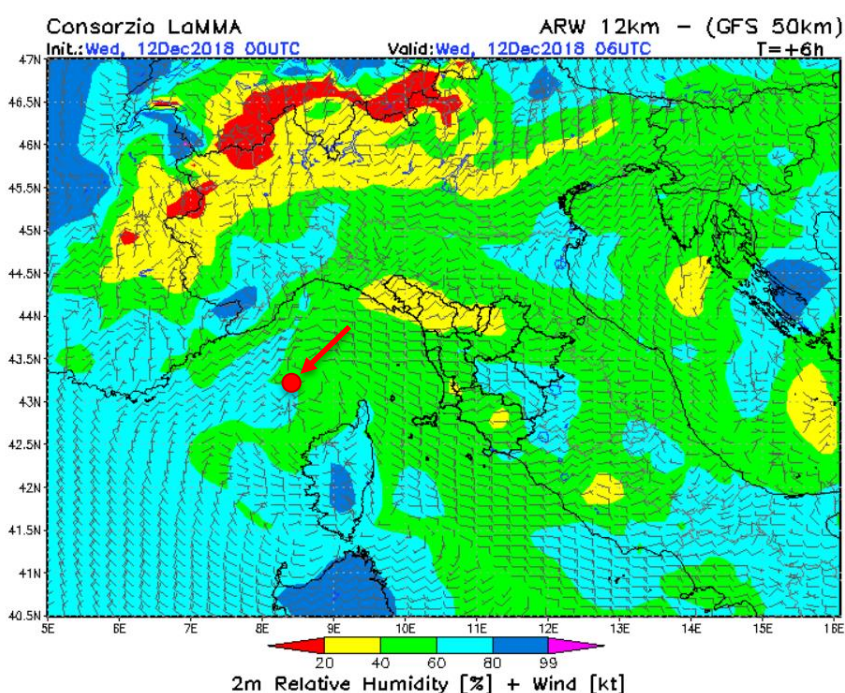


Figure 2: Humidity during the night between December 11th and 12th. The red point is the location of the area.

The 12 EUFOs were divided in 3 groups of 4 members, one from each country in each group.

The objectives of the exercise were the following:

- To have exercise on three different scenarios, trying to find shared strategies in extinguishing a big fire.

- To increase the capacities and the knowledge of each EUFO through positive discussions and sharing knowledge, methods and ideas.
- To communicate in English in a group speaking 4 different languages (French, Italian, Portuguese and Spanish), especially regarding technical terms;
- to become familiar with the Tuscan organization of firefighting (working methods, personnel, PPE, operative maps, means, tools);

Before starting the exercise in field, all trainees were involved in a briefing (Figure 3) in which the objective of the training, the scenarios and all the other useful information were given and explained in detail. The groups were formed and organized. The trainees were called to respond to a big fire where the regional organization was not able to manage efficiently the fire, and for that reason they asked for external collaboration.



Figure 3: briefing phase

The type of fire chosen for the exercise was a wind-convective fire. Meteorological information were given to all EUFOs (complete information available in the Annex II).

Cartography was available, in traditional form (paper maps) and in digital version on tablets. The trainees had to work in the day after the beginning of the fire, July 16th, managing the following resources:

- 2 regional helicopters;
- 2 Canadairs;
- 15 ground means (4 tanks, 11 pick-up);
- 1 bulldozer;
- 1 helipond (removable tank of 12000 litres);
- 2 teams with drip torch.

The scenario was characterised by long turnaround time by aerial means. Due to other contemporary large fires in Tuscany, there was not availability for further reinforcements.

Given the overall scenario, each group faced three different activities in three different conditions on the same simulated fire. This structure of the exercise was planned to allow trainees to work under different perspectives and different possible events during a big fire. The three groups worked in parallel on one scenario each. The activities were conducted by the trainers of Tuscany Region, who guided the three groups of EUFOs, and coordinated a large group of operators and volunteers involved in prescribed burns and other simulation activities. Moreover, several means were available during the exercise, including an as mobile Command Post, eight 4WD vehicles, one helicopter. The three scenarios organized were:

1. Location: Incident Command Post – Point A (Figure 64). Participants had to define the perimeter of the fire on the operational cartography for forest fires (“COAIB” in Tuscany), including areas of intervention. They had to interact with the fire analyst to receive all the needed information useful to prepare a strategy of intervention against the fire. They had also to manage the

available resources in terms of means and operators allocation along the fire perimeter. The provided information were: i) cartography; ii) evolution of the fire from the beginning to the time of arrival on the fire scene; iii) meteorological data along all the days of fire (i.e. previous meteorological condition and forecast for the coming hours); iv) number of means and operators available.

2. Location: “Area B – prescribed burn” (Figure 4). In this area, a specialized team tried to carry out a prescribed burn (without success due to the high relative humidity of the air). Here, each EUFO team had the possibility to coordinate the simulated activities against fire conducted by ground and aerial (helicopter) means. The helicopter was coordinated by the regional radio.
3. Location “Area C – prescribed burn” (Figure 4). Also in this area, a prescribed fire was attempted. The trainees had the possibility to check manual and mechanic tools, hoses, couplings, etc. This was the occasion to understand the importance to know the tools and the means used in the different countries (Figure 7).



Figure 4: map of the simulated fire

Before starting the activities, each group had the possibility to fly over the area of the fire by helicopter to understand the location and to be aware of the operational theatre (Figure 5). All trainees had this recognition before starting the three phases of exercise.



Figure 5: trainees involved in reconnaissance by helicopter.

The exercise needed all the day, from the morning to the afternoon, close to the sunset. All the activities were conducted with success in a collaborative climate among trainees, organizers and

operators (Figure 8 and 9). The only negative aspect was related to the prescribed fire, which was not possible, but it did not negatively affect the success of the exercise.



Figure 6: activities carried out at the Incident Command Post with Fire Analyst.



Figure 7: EUFOs managing ground means.



Figure 8: EUFOs, organizers, operators and project partners during the exercise.



Figure 9: the team involved in the exercise.

1.2.2 The indoor exercise

On December 13th, the day after the in-field exercise, the group of EUFOs was involved in an indoor exercise. Guided by a group of Tuscan experts in forest fire fighting, they discussed about a big fire happened in the fire season 2018 in Tuscany. The “fire of Calci” (Pisa, Italy) (Figure 10) was a big fire with a total burnt area of 1,148 ha and a duration of 7 days. About 85 hours were spent in fire suppression, 60 hours in mop up and 17 hours in final surveillance), In total, 1385 operators with 632 ground means for 163 hours and 6 regional helicopters for 81 hours were involved in fire fighting. The aerial National fleet was also involved with 13 Canadairs, one S64 Skycrane and one CH47 for a total of 147 hours.

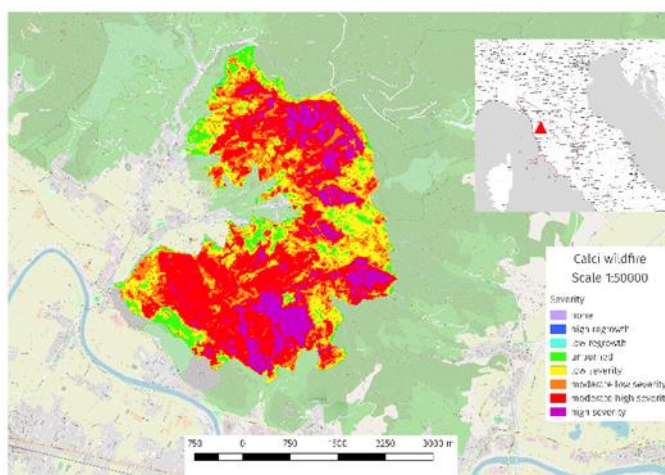


Figure 10: the big fire of Calci (Pisa)

First, fire behaviour and dynamics were deeply analysed by participants in a classroom; then they moved in front of a sand table reproducing the geographical features of the area. Cartography and graphic evolution of the fire were then projected on the table (Figure 11). Here, participants spent a lot of time in exchanging opinion and ideas about strategies of interventions, fire behaviour, resource management and infrastructure, population, operators' safety. The needs of evacuation of citizens was also discussed taking into consideration the long distance spotting event (about 10 km) occurred.

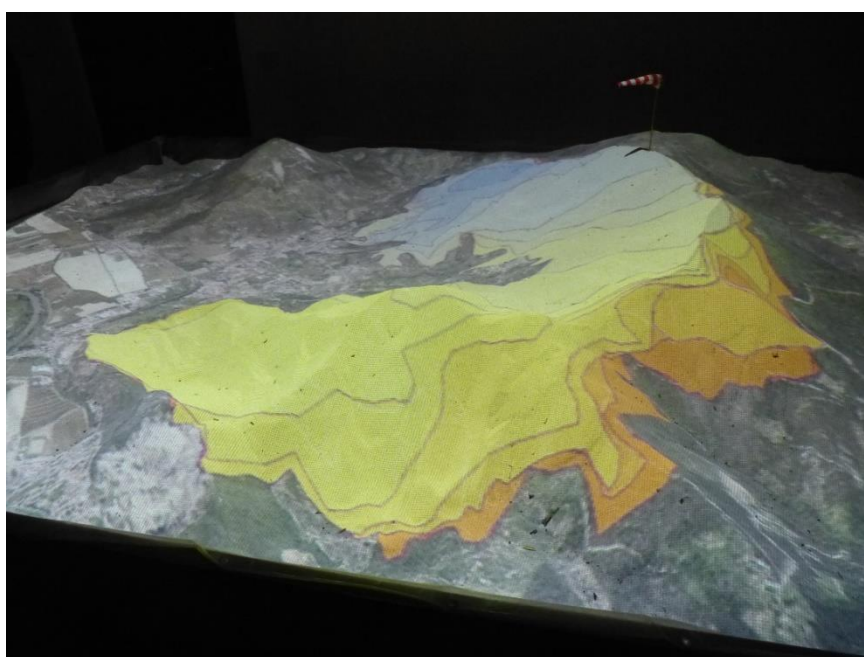


Figure 11: the exercise with the sand box.

This exercise was the occasion to talk about strategies of fire fighting and resource management. All EUFOs were very active and interested, and many good ideas and different approaches emerged during discussion, highlighting how it would be important to share the different experiences to find the best solution in each specific fire condition.

2. Evaluation Process

2.1. Results from the analysis of the satisfaction questionnaires

The evaluation of the pilot exercise was conducted through the analysis of the results of satisfaction questionnaires provided to all of the trainees.

In order to explore all of the aspects taken into account by the exercise, 14 sentences were proposed to the trainee's evaluation, covering five main topics, to test the agreement level with the usefulness of each aspect:

1. "EUFO" main competences;
2. Exercise introduction;
3. Exercise tool;
4. Group working;
5. Training program.

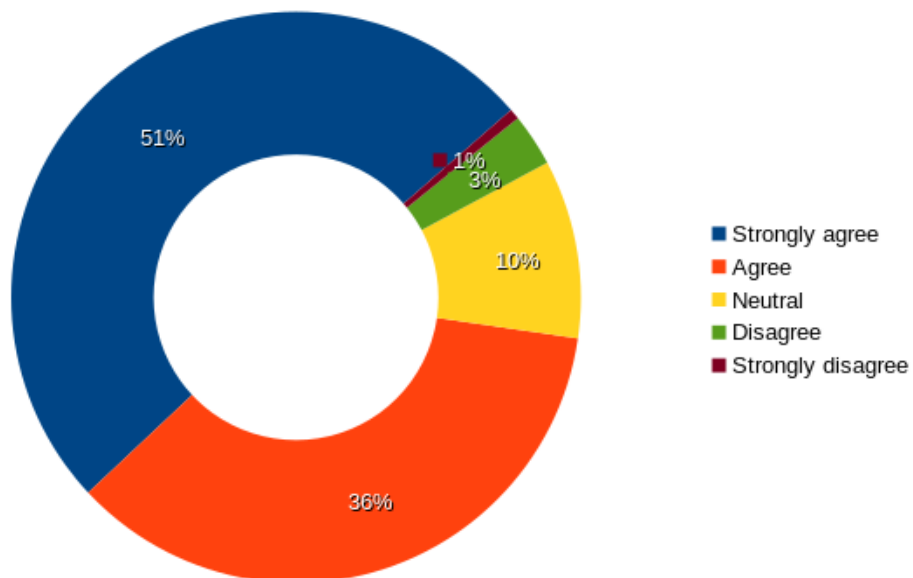


Figure 12: total evaluation results registered with the satisfaction questionnaires

Results highlighted a good agreement level among the trainees in all of the topics involved with more than 50 % of the participants strongly agree with the usefulness of the arguments proposed during the exercise (Figure 12).

Table 1 report the average number of trainees for each main topic in each agreement level during the evaluation of the usefulness of the topic proposed. The same results are reported in net-graphic form in term of percentage registered for each agreement level (Figure 13).

Table 1: average agreement results per evaluation topic.

EVALUATION TOPIC	N. of sentences	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
EUFO MAIN COMPETENCES	3	3	6	2.3	0.7	0
EXERCISE INTRO	4	6.5	3.3	1.7	0.5	0,2
EXERCISE TOOL	3	8	3.3	0.7	0	0
GROUP WORKING	2	7.5	4.5	0	0	0
TRAINING PROGRAM	2	5.5	5	0.5	1	0

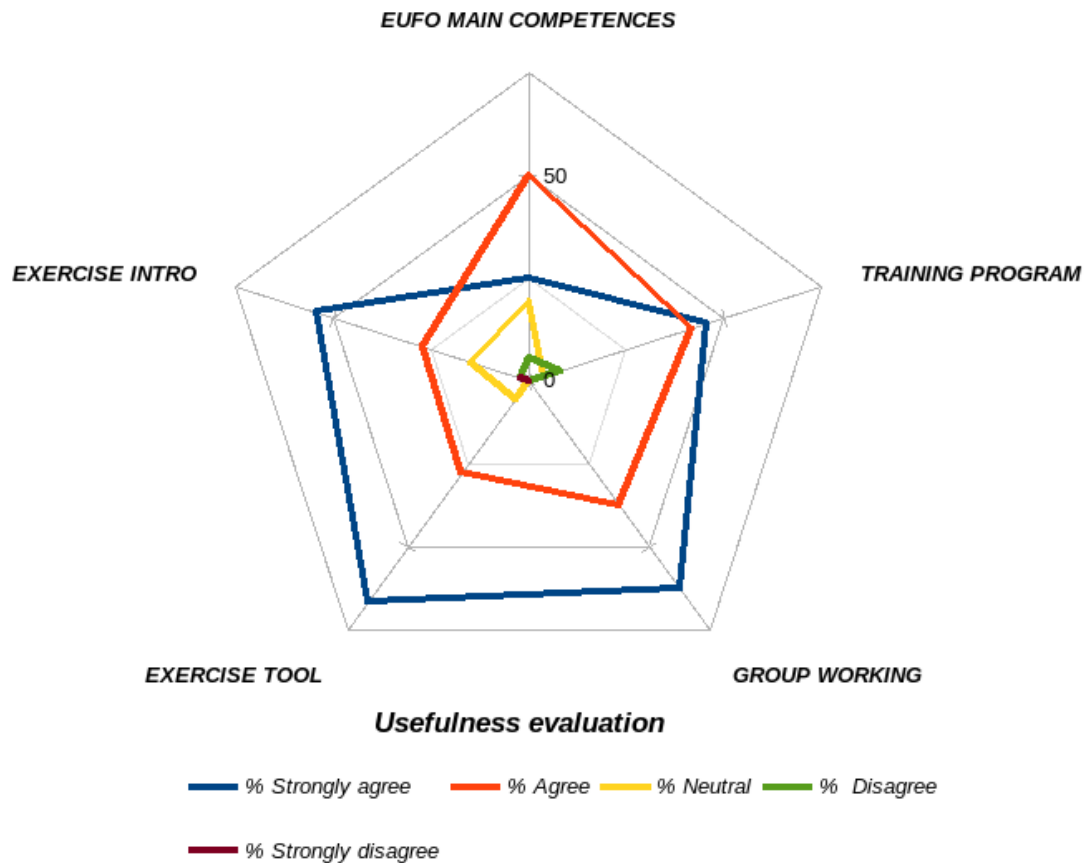


Figure 13: usefulness of the exercise topics according to the trainee's evaluation

In addition to the sentences proposed in the questionnaire, general comments and suggestions were collected both in form of free notes and SWOT-like form, in order to increase the information quality about the exercise experiences.

Results were reported below, as the sum of the agreement level recorded for each sentence in table form and as percentage in graphic form.

2.1.1 EUFO main competences

Three sentences were provided to evaluate the relevance of the information given during the pilot training course held in Valabre with the main competences of the EUFO, defined in the project Deliverable E.1, in a simulated forest fire (within an international cooperation scheme):

- A. The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires;
- B. The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission;
- C. The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);

Table 2: EUFO main competences sentences agreement level

EUFO main c.	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
A	2	6	2	2	0
B	2	7	3	0	0
C	5	5	2	0	0

EUFO MAIN COMPETENCES

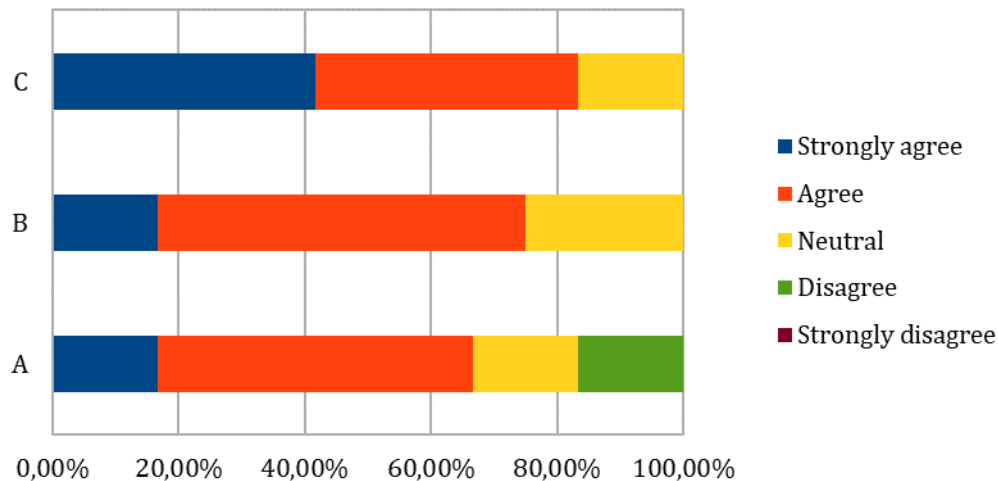


Figure 14: EUFO main competences sentences percentage agreement.

Despite the general good evaluations about this topic, two trainees disagreed with the usefulness of the training for developing competences of “Liaison officer” in big fire (sentence “A”), evaluating the pilot training mostly focused on the competences of Incident Commander.

The other suggestion given, addressed to the need to share more experiences on big fires, related to the EUFO competence of provide an added value on common knowledge in major fire, playing the role of advisor.

2.1.2 Exercise Intro

To test the usefulness of the information and facilities given during the exercise four sentences were evaluated by the trainees:

- The objectives of the exercise were clearly defined;
- The instructions given by the local incident commander at the beginning of the exercise were complete and useful;
- The reconnaissance by helicopter was useful for carrying out the assigned task;
- The presence of a fire analyst was useful for the exercise.

Table 3: exercise intro sentences agreement level.

EXERCISE INTRO	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
A	3	4	4	1	0
B	6	4	2	0	0
C	9	2	1	0	0
D	8	3	0	0	1

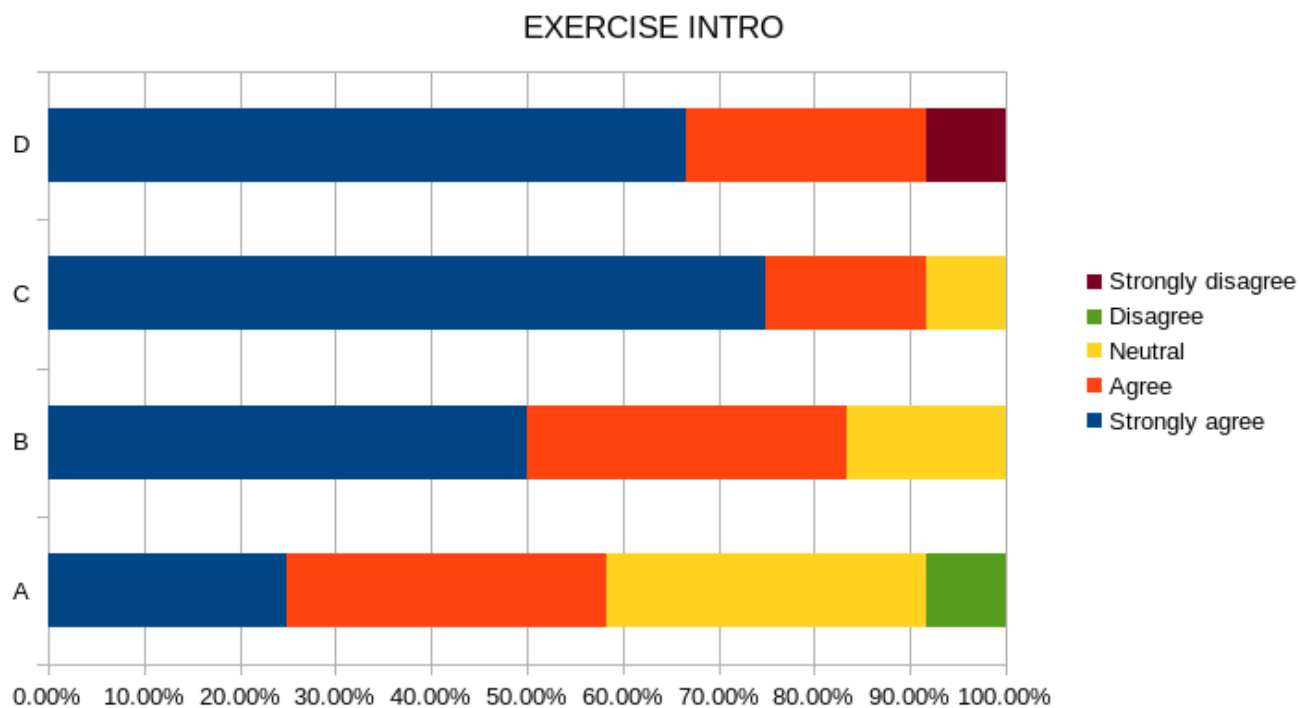


Figure 15: exercise intro sentences percentage agreement.

The better results had been reported in the sentence “C”, related to the use of the helicopter for a reconnaissance flight. Most of the trainees highlighted the importance of this means to have a clear large-scale vision of the simulated fire scenario, providing a complete framework of opportunities and critical points useful in big fire suppression.

For this topic some comments highlighted a lack in the first phase of the exercise related with the instructions given by the local Incident Commander, reporting that information were provided too quick and without the possibility to evaluate, or discuss the options to use means from abroad as reinforcement.

Moreover, one trainee declared the presence of a Fire Analyst was insignificant.

2.1.3 Exercise tool

Two sentences were focused on the tools provided to the trainees to complete the tasks assigned during the exercise:

- A) The paper version of the cartography allowed to have good information about the area of the exercise;
- B) The digital version of the cartography allowed to have good information about the area of the exercise.

Table 4: exercise tool sentences agreement level.

EXERCISE TOOL	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
A	9	3	0	0	0
B	8	4	0	0	0

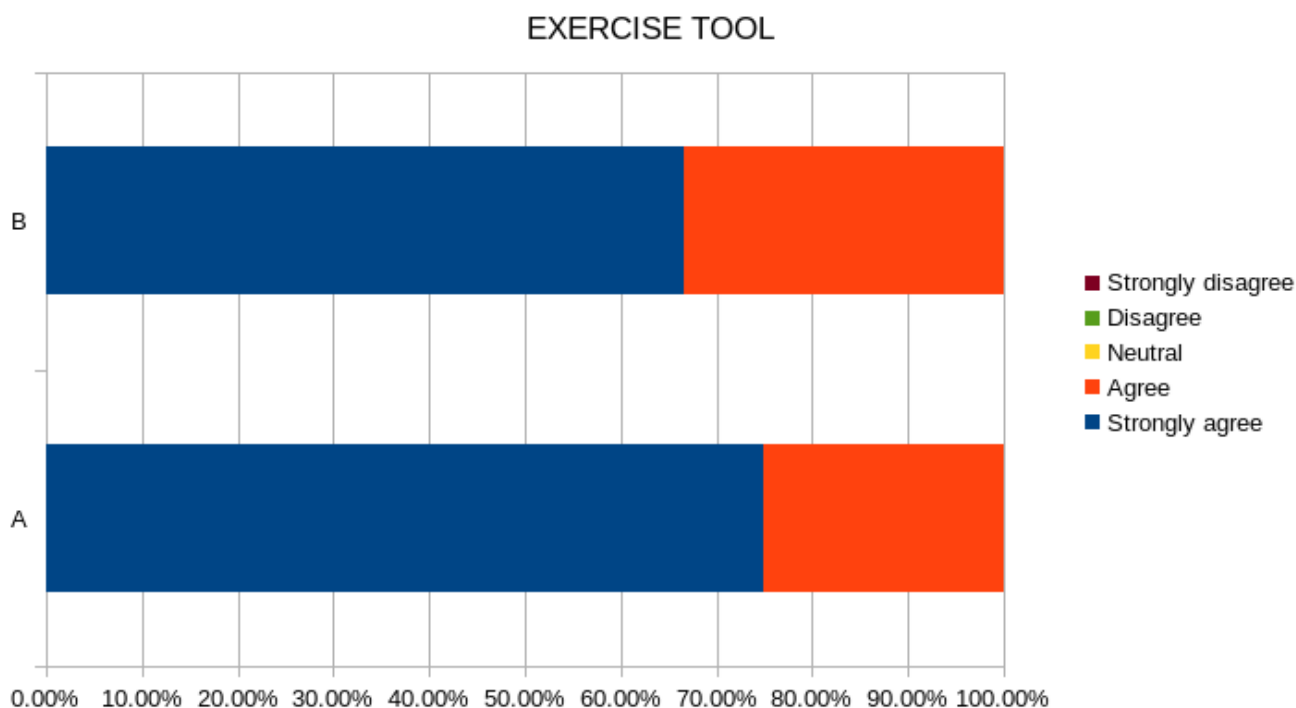


Figure 16: exercise tool sentences percentage agreement.

The cartography tools used in the exercise had been generally evaluated as useful, with the only suggestion related to the digital version of the maps: one trainee reported that efficiency could be improved with specific training activities.

2.1.4 Group working

Three sentences were proposed to evaluate the opportunity to improve social skills in an international context:

- A. Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise;
- B. Work in an international group resulted in a more effective action due to the possibilities to develop synergies;
- C. The language was not a problem for communicating within the international group.

Table 5: group working sentences agreement level.

GROUP WORKING	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
A	9	3	0	0	0
B	6	6	0	0	0
C	7	3	2	0	0

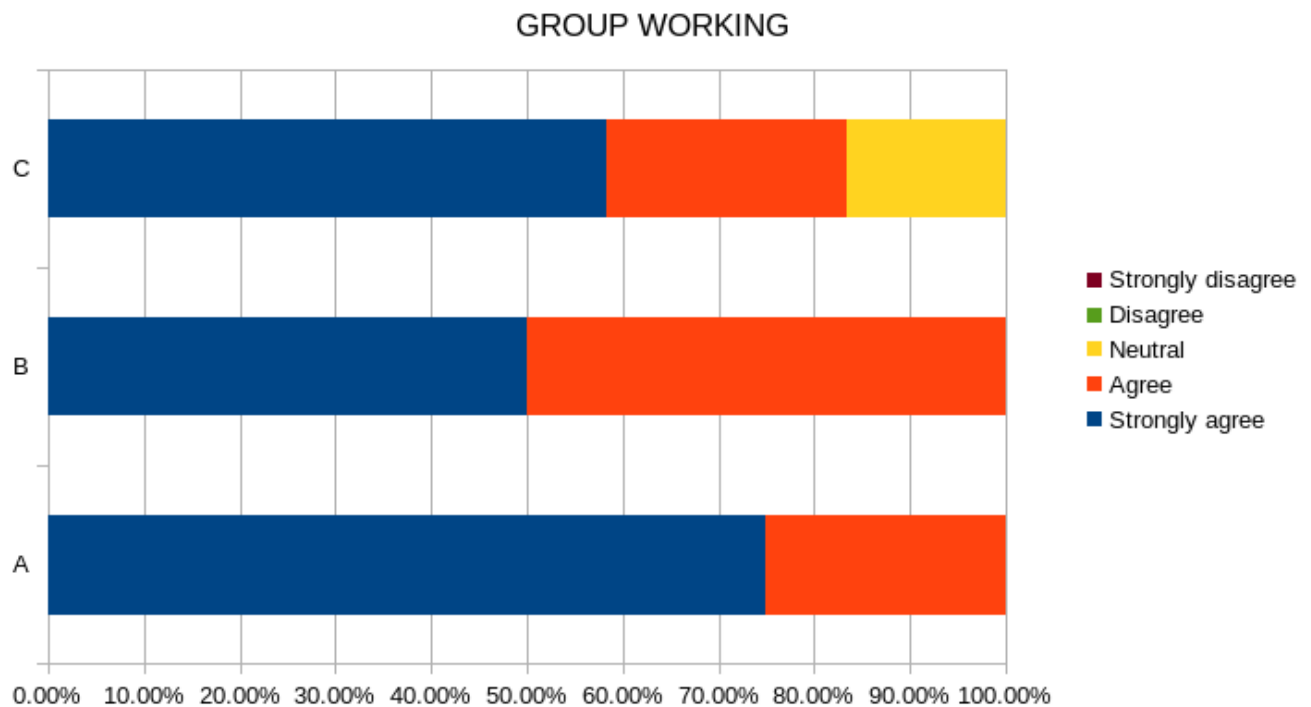


Figure 17: group working sentences percentage agreement.

A general good level of evaluation for this topic is a measure of the performance of the whole training process, allowing the participants to improve social skills with people from different organizations and countries. The comments provided for this topic were addressed to some general communication difficulties: activities focused to train EUFOs on common language and symbol were suggested, in fact, in some cases during the exercise communication difficulties were solved by the use of a “common Latin language”.

2.1.5 Training Program

The two sentences provided were focused to evaluate the training process, in order to understand participants' general opinion about the training experience and perspective for the maintenance of the acquired competences:

- A. The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO;
- B. For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years.

Table 6: training program sentences agreement level.

TRAINING PROGRAM	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
A	6	4	1	1	0
B	5	6	0	1	0

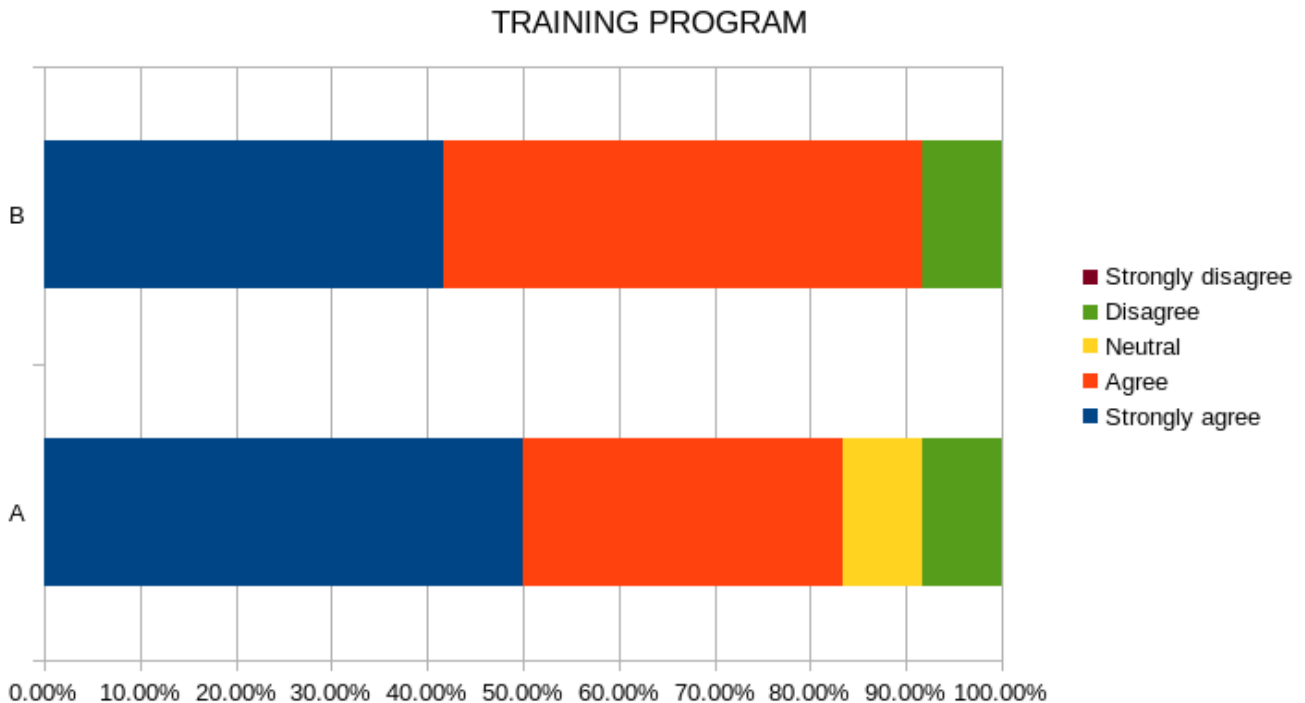


Figure 18: training program sentences percentage agreement

Being the widest topic, many suggestions and comments had been provided from the trainees.

Regarding the evaluations of the complete training process (sentence “A”), the participants highlighted the need to improve all activities (training course, simulated and field exercise), suggesting to make, for example, a field exercise before the simulation in order to better understand operational organization of each country, and increasing the time spent to improve social skills.

2.1.6 General comments and suggestions

The free note form was not widely used, but interesting suggestion were reported about the field exercise. Trainees mainly suggested to dedicate more time for the field activities (up to two days), to simulate a real big fire commitment and to improve the sand box simulation on big fire, at least one for each country, to have the opportunity to share experiences, strategy and tactics.

In the same direction, other suggestions addressed to reduce the time spent for moving from a point to another in the exercise, in order to have more time to analyse the wildfire scenario and define the strategy options, or to improve the exercise in order to provide a wider opportunity to train with the competences of Liaison Officer.

2.2. SWOT analysis

Being the pilot exercise the final main step of MEFISTO Project, a SWOT analysis has been conducted in order to improve the evaluation of EUFOs' training. The SWOT analysis evaluates the Strengths, the Weaknesses, the Opportunities and the Threats emerged. The information and the opinions considered to develop the SWOT analysis are from the satisfaction questionnaires compiled by EUFOs and from the personal opinions and comments given by all project partners who assisted to both the pilot training and the pilot exercise.

Despite the general high satisfaction emerged by participants, some weaknesses and some aspects to be improved were highlighted, together with some opportunities of improvement for future activities and critical points that could negatively affect the future of EUFO. In particular, the organization was appreciated, especially regarding facilities and location, while some improvements could be made in terms of efficiency in time spending and logistics (transfer time). Participants fully appreciated the deep debate within each group, which had been a strong added-value to their experience and knowledge. A problem they encountered was related to communication, in part because of the language, on the other hand regarding the different symbologies and technical terms used in the different countries. Regarding this aspect, they were aware about the existing glossary and technical documents prepared by MEFISTO partners (all available at www.mefistoforestfires.eu) and dedicated to go beyond the differences existing between countries and regions. Probably, it would be better to dedicate some time studying these document before the final exercise, in order to be well prepared for the meeting. However, this issue highlighted both the needs of specific training on symbologies and the needs to work for their standardization. Regarding the organization of the activities, the exercise should be more focused on the three main roles of EUFO, especially on the interaction between the EUFO, the local Incident Commander and the other reference figures in the chain of command. Finally, looking at the

future, the main concern is about the real interest of European and national policies on EUFO and its high potential in enhancing fire fighting organization in Europe. However, this potential is fully recognized by all participants and by all people who interacted in MEFISTO activities. In conclusion, some improvements are necessary to finalize a reliable theoretical and practical training for EUFOs, but the pilot events have definitely had a positive feedback by all.

SWOT Analysis of MEFISTO Pilot Exercise

<h3 style="text-align: center;">Strengths</h3> <ul style="list-style-type: none"> - Reconnaissance of the fire scenario made by helicopter; - Resources used in the exercise (helicopter, 4WD cars, maps, tablets, etc.) - Presence of a fire analyst; - Quality of cartography, including operational maps with specific symbols and the possibility to upload maps on electronic devices (tablet); - Sharing and exchanging experiences, opinions and ideas with the other experts coming from different countries; - Collaboration and discussion among team participants; - Quality of the scenario created for the exercise; - Working together with other Incident Commanders; - High level of knowledge and experience of the attendants. 	<h3 style="text-align: center;">Weaknesses</h3> <ul style="list-style-type: none"> - Not fully clear explanation of the objectives at the beginning; - Objectives of exercise not fully related with the roles of EUFO; - Limited time available for the teams to carry out the requested activities; - Difficulties in language; - Quality of both briefing and de-briefing; - Not enough time dedicated to the exercise; - Weak connection between the different phases of the exercise; - Differences in terminology and symbols used; - Bad weather conditions; - Time-consuming transfer phases to reach the different working areas; - Delays; - The scenario proposed was not close to reality (e.g. in real fire is not possible to know when spotting happens).
<h3 style="text-align: center;">Opportunities</h3> <ul style="list-style-type: none"> - To test and calibrate the objectives of the training on EUFO functions; - Develop a global training that includes all the figures included in ICS, including EUFO; - To have the training during prescribed fire (as planned, but not realised); - Added-value given by EUFOs in terms of competences in cross-border interventions during big fires; - To be trained specifically for a key-role in big fires across Europe; - To improve knowledge and technical methods applied in each organization; - To include a simulator in exercise; - To add difficulties (unexpected events) during the exercise to better simulate real events; - To divide the practical exercise: a first part before the training course, and a second part after the end of the course. 	<h3 style="text-align: center;">Threats</h3> <ul style="list-style-type: none"> - Low interest by National and European authorities to the EUFO figure proposed by MEFISTO; - Liaison officer role not properly improved; - The function of the EUFOs should be confused (Incident Commander, Fire Analyst, Liaison Officer); - Do not use the EUFOs in real emergencies; - Do not continue the development of this figure of responsibility; there is the need to continue this kind of activities; - During exercise, to dedicate too much time to the analysis of the whole fire, instead of focusing on the assigned sector; - To be reluctant to ask for external support during emergencies; - To have few opportunities to work as EUFO, with the high risk of losing the acquired skills.

3. Remarks and conclusions

The pilot exercise held in Italy, at “La Pineta” Tuscan training centre for forest fire fighters, has been the final fundamental step in MEFISTO project implementation. All the results obtained during two years of project had been the main elements for a successful training of 12 forest fire experts coming from four different European countries (France, Italy, Portugal, and Spain). As always happens in pilot activities, being the first implementation of something new, some aspects to be improved emerged. Anyway, the main structure and the fundamental aspects have been successfully defined and tested during both the pilot training course and the pilot exercise. Thanks to the high interest and availability demonstrated by MEFISTO partners, organizers and trainees, together with the high level of competences and experiences, the training of the first EUFOs was a success. It should be fundamental that the activities carried out will have a continuation in the future, to allow the Incident Command Systems of the countries involved in big fires to manage the resources coming from other regions and/or countries. The evaluations emerged by SWOT analysis had an important role in defining a final and strong training program for EUFOs. The competence of national and regional training centres, together with the increasing experience in managing big fires, will allow future EUFOs training. They will have an important role in increasing the efficiency of fire fighting during big events, maximizing the benefits from external support and avoiding additional risks.

Annex I – Satisfaction questionnaires



PILOT EXERCISE
12th - 13th December 2018

	Castillia y Leon
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X	Portugal
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	Tuscany Region
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	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires		X				
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission		X				
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);			X			
The objectives of the exercise were clearly defined	X					
The instructions given by the local incident commander at the beginning of the exercise were complete and useful		X				



MEFISTO

MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise		X				
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise		X				
The language was not a problem for communicating within the international group	X					
Work in an international group resulted in a more effective action due to the possibilities to develop synergies		X				
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO			X			
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years		X				(If you do not agree, please suggest the frequency)



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<p>the reconnaissance by helicopter the presence of a fire analyst</p>	
Opportunities	Threats



PILOT EXERCISE
12th - 13th December 2018

	Castilla y Leon
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X	Portugal
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	Tuscany Region
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	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires		X				
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission		X				
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	X					
The objectives of the exercise were clearly defined			X			
The instructions given by the local incident commander at the beginning of the exercise were complete and useful			X			



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group			X			
Work in an international group resulted in a more effective action due to the possibilities to develop synergies	X					
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO	X					
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years	X					(If you do not agree, please suggest the frequency)

Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<ul style="list-style-type: none"> • The instruments used to do the exercise: the cartography (maps) / operational maps with symbology. • The maps in tablet. • The aerial view (reconnaissance) with helicopter. • Change different experiences, opinions, technical views, other, very good. 	<ul style="list-style-type: none"> • Clear objectives; • Relationship of the objectives of the exercise with the functions of EUFO. • Language / common language for EUFO • Good briefings and debriefings
Opportunities	Threats
<ul style="list-style-type: none"> • Develop training about this kind of function EUFO (European Forest Fire Office). • Develop big exercises (similar) on the field about the forest fires where at the same time can training the ICS, the EUFO, other teams and make real fire but with better meteorological conditions; 	<ul style="list-style-type: none"> • Language: improve the common language used in this kind of exercises, terminology

✓ Elena Catarino



PILOT EXERCISE
12th - 13th December 2018

	Castillia y Leon
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X	Portugal
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	Tuscany Region
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	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires	X					
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission	X					
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	X					
The objectives of the exercise were clearly defined		X				
The instructions given by the local incident commander at the beginning of the exercise were complete and useful		X				



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group		X				
Work in an international group resulted in a more effective action due to the possibilities to develop synergies	X					
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO	X					
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years	X					(If you do not agree, please suggest the frequency)



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<i>The experience of technicians with different backgrounds, experiences and knowledge work together toward a common goal</i>	<i>The objectives of the exercises should be clear and known to the participants.</i>
Opportunities	Threats
<i>At a time when there is an increase in the risk of forest fires and the damage cause by them, even in human lives, the need of inter-state aid justified the technical preparation of the technicians to work together.</i>	<i>The lack of recognition by the National and European authorities of the importance of the project.</i>



PILOT EXERCISE
12th - 13th December 2018

<input type="checkbox"/>	Castillia y Leon
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<input type="checkbox"/>	Portugal
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<input checked="" type="checkbox"/>	Tuscany Region
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<input type="checkbox"/>	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The objectives of the exercise were clearly defined	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task		X				
The presence of a fire analyst was useful for the exercise		X				
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group	X					WE WERE ALL BY FROM COUNTRY WITH IN WITH A COMMON BASE LANGUAGE
Work in an international group resulted in a more effective action due to the possibilities to develop synergies		X				
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO		X				HAD TO BE INCREASED/ IMPROVED HAS DISCUSSION THE 12 DECEMBER DEBRIEFING
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years	X					(If you do not agree, please suggest the frequency) (SIMULATED AND ON THE FIELD) → IC EXERCISE → LIAISON OFFICER



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<ul style="list-style-type: none"> - POSSIBILITY OF KNOWLEDGE EXCHANGE - POSSIBILITY OF WORKING WITH OTHER COUNTRY FIREFIGHTING SYSTEM WITH GIVING USEFUL HELP. - WORKING WITH OTHER I.C. ON FIELD (FIELD EXERCISE) 	<ul style="list-style-type: none"> - COMMON LANGUAGE (ENGLISH) - FEW HOURS OF TEAM WORKING (FOR PRO TRAINING COURSE) - THE DIFFERENT SPLITTED PHASES A, B, C, (FOR FIELD EXERCISE) ARE NOT CONNECTED.
Opportunities	Threats
<ul style="list-style-type: none"> - IMPROVE YOUR PROFESSIONALITY 	<ul style="list-style-type: none"> - NOT IMPROVE THE PROPER ROLE OF LIASON OFFICER - THE TRAINER WH SHOULD BE CONFUSED, BECAUSE THEY DON'T KNOW WHAT KIND OF JOB ARE REQUESTED TO DO! I.C. - ANALYST - LIASON OFFICER



PILOT EXERCISE
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	Castillia y Leon
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	Portugal
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X	Tuscany Region
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	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires	X					
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission		X				
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	X					
The objectives of the exercise were clearly defined		X				
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	X					

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group			X			IT IS NECESSARY WORK MUCH MORE TO A COMMON TERMS AND SYMBOLS
Work in an international group resulted in a more effective action due to the possibilities to develop synergies	X					
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO	X					
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years	X					(If you do not agree, please suggest the frequency)



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
1. WORKING TOGETHER 2. KNOWLEDGE OF EACH OTHER	1. LANGUAGE 2. COMMON TERMS AND SIMBOLOGY
Opportunities	Threats
1. IMPROVING KNOWLEDGE OF EACH ORGANIZATION AND TECHNICAL METHODS 2. DEVELOPING SYNERGIE TO WORKING TOGETHER	1. LEAVE EVERYTHING ON AN ACADEMIC LEVEL 2. DO NOT DEVELOP A PROJECT TO CONTINUE THE WORK



PILOT EXERCISE
12th - 13th December 2018

	Castillia y Leon
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	Portugal
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✓	Tuscany Region
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	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires		✗				
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission		✗				
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	✗					
The objectives of the exercise were clearly defined			✗			
The instructions given by the local incident commander at the beginning of the exercise were complete and useful			✗			HE GIVES THE INFORMATION TOO QUICKLY



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise		X				I NEED TO TRAIN MORE
The language was not a problem for communicating within the international group	X					ENGLISH BUT ITALIAN/SPANISH TOO
Work in an international group resulted in a more effective action due to the possibilities to develop synergies	X					
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO	X					
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years		X				(If you do not agree, please suggest the frequency) MAY BE, EVERY YEARS IS BETTER

Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

IS BETTER SPEND LESS TIME IN DRIVING, TO HAVE MORE
TIME TO DEDICATE TO ANALYSE THE FIRE AND THE POSSIBLE
STRATEGY.



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<p>WORKING TOGETHER</p> <p>CONDIVISION OF EXPERIENCES</p>	<p>NO CLEAR GOALS FOR THE TEAM</p> <p>FEW TIME FOR ANALISE THE FIRE AND ANSWER TO THE QUESTIONS</p>
Opportunities	Threats
<p>- TO SIMULATE THE REALITY</p> <p>GET TO THE TEAM A SPECIFICAL GOAL ; FOR EX. TO PUT OUT A SECTOR, ETC.</p> <p>- ADD COMPLICATIONS DURING THE EXOT OPERATIONS</p>	<p>TO DEDICATE TOO MUCH TIME TO THE ANALISYS OF THE WHOLE FIRE, INSTEAD OF CONCENTRATE IN THE SECTOR ASSIGNED</p>



PILOT EXERCISE
12th - 13th December 2018

<input type="checkbox"/>	Castillia y Leon
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<input type="checkbox"/>	Portugal
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<input checked="" type="checkbox"/>	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires				X		
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission			X			
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);			X			
The objectives of the exercise were clearly defined			X			
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	X					

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task			X			
The presence of a fire analyst was useful for the exercise		X				
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise		X				
The paper version of the cartography allowed to have good information about the area of the exercise		X				
The digital version of the cartography allowed to have good information about the area of the exercise		X				
The language was not a problem for communicating within the international group		X				
Work in an international group resulted in a more effective action due to the possibilities to develop synergies		X				
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO		X				
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years	X					(If you do not agree, please suggest the frequency)

Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

- developp numeric on the simulator to work together during a big fire
- The liaison officer have to understand the ~~task~~ ~~chosen~~ chosen tactic that is different if the incident commander. He doesn't manage the means, he commands his means of reinforcement.

In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<ul style="list-style-type: none"> - to work together 	<ul style="list-style-type: none"> - to lose lot of time of transportation - weather conditions - one scenario only / day
Opportunities	Threats
<ul style="list-style-type: none"> - to have "Pimeta" - to speak with forest fire services 	<ul style="list-style-type: none"> - liaison officer begin incident commands - -



PILOT EXERCISE
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	Castillia y Leon
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	Portugal
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	Tuscany Region
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X	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires				X		The liaison officer must make himself available to the Incident Commander by listing the resources available and their technical, human and especially operational capabilities
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission		X				
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);		X				
The objectives of the exercise were clearly defined		X	■			
The instructions given by the local incident commander at the beginning of the exercise were complete and useful			X			Yes, but no exchange on the possibilities offered by foreign means in reinforcement -



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task		X				
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise		X				
The digital version of the cartography allowed to have good information about the area of the exercise		X				
The language was not a problem for communicating within the international group	X					
Work in an international group resulted in a more effective action due to the possibilities to develop synergies		X				
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO	X					It would be wise to carry out the field exercise before the simulation in order to better understand the operational organization of each country.
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years		X				(If you do not agree, please suggest the frequency)



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

Try not ~~to~~ to do the field exercise in winter !



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<ul style="list-style-type: none"> - Working together - Better understand the local (geographical ...) features 	<ul style="list-style-type: none"> - The non use of common graphic tools - Lack of knowledge of the capabilities and operational techniques of each entity.
Opportunities	Threats
<ul style="list-style-type: none"> - Learning to know each other - Discover a different working environment 	<ul style="list-style-type: none"> - Believe that others are doing worse than us. - Be reluctant to use foreign means in reinforcement.

PILOT EXERCISE
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	Castillia y Leon
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	Portugal
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	Tuscany Region
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X	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires		X				- We saw different methods - It was very good but we didn't work exactly on liaison officer mission.
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission		X	X			The function of liaison officer has not been clearly tested.
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);		X				Yes, it gives information on different methods from different nations.
The objectives of the exercise were clearly defined	X					Very clear, giving all instructions we need.
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	X					Very complete and useful. We can do the exercise in very good conditions.



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	x					The aerial reconnaissance is very important to understand the situation.
The presence of a fire analyst was useful for the exercise	x					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	x					yes it is very enriching
The paper version of the cartography allowed to have good information about the area of the exercise	x					Very precise giving all the information we need.
The digital version of the cartography allowed to have good information about the area of the exercise	x					It is an excellent complement to paper version
The language was not a problem for communicating within the international group	x					
Work in an international group resulted in a more effective action due to the possibilities to develop synergies	x					This promotes the exchange of information to understand different operational approaches
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO		x				It would be better to do the field exercise before the exercise on simulator we done in Valencia.
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years		x				(If you do not agree, please suggest the frequency)



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<ul style="list-style-type: none"> - Working together. - To exchange ideas 	<ul style="list-style-type: none"> - Not enough time to exchange better - The exercise would be more beneficial at the beginning of the programme
Opportunities	Threats
<ul style="list-style-type: none"> - Learning to know each other. - Discuss around different points of view. 	<ul style="list-style-type: none"> - Consider that his own method is better. - Not listening to everyone's knowledge.



PILOT EXERCISE
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires			X			More related with competences of IC or Plannings section
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission			X			"
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);		X				
The objectives of the exercise were clearly defined				X		
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	X					



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MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise					X	d There was an Fire analyst?
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise		X				Is not real - In a real situation you will work always with unknown people.
The paper version of the cartography allowed to have good information about the area of the exercise	X					
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group	X					
Work in an international group resulted in a more effective action due to the possibilities to develop synergies		X				
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO				X		Too much time expended in understanding other systems. Is not possible analyze all the countries of EU. Very little time in social skills.
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years				X		(If you do not agree, please suggest the frequency) In my opinion is not realistic if we want maintain people enough for being effective.

I'd propose 8 years or minimum 5 years.

A biannual videoconference with a website to review information could be enough

Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

The most important part of the exercise, in my opinion, is ~~the~~ share opinions, to work in groups, to look for solutions, to practise conversations about the problems...

For instance, is not necessary a so complex presentation on the field with so many resources. An exercise in classroom with the supply of cartography (paper and GIS) and a representation on a sandbox or a scenario could allow more time for discussions and conclusions.

The exercise could be more addressed to the real competences of a liaison officer.



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<ul style="list-style-type: none"> • Multinational work teams and groups • Internat discussions in the groups • Good scenario and fire direction 	<ul style="list-style-type: none"> • To much time expended driving on the field
Opportunities	Threats
<ul style="list-style-type: none"> • We have the basis of this experience. Now is easier improve the results Learning from this experience. 	<ul style="list-style-type: none"> • Attendants not really involved in the tasks



PILOT EXERCISE
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<input checked="" type="checkbox"/>	Castillia y Leon
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<input type="checkbox"/>	Portugal
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<input type="checkbox"/>	Tuscany Region
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<input type="checkbox"/>	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>I consider necessary to share more experiences in big forest fires</i>
The objectives of the exercise were clearly defined	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



MEFISTO

MEDITERRANEAN FOREST FIRE
FIGHTING TRAINING STANDARDISATION



	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise		X				
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					It is very important for the task to know the people you have to work with.
The paper version of the cartography allowed to have good information about the area of the exercise	X					Very good cartography and very useful the possibility to write on it.
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group		X				It was a problem but easy to solve in a kind of "Common latin language".
Work in an international group resulted in a more effective action due to the possibilities to develop synergies		X				
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO		X				
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years		X				(If you do not agree, please suggest the frequency) I suggest to do it every year



Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

I suggest to do a longer exercise, like the one we did, but along the whole day or even two days as it would be in a real big forest fire.

It will be very useful to practise on simulators or using "sand box" on real experiences we have lived on our countries. Each one of them could prepare a singular case lived and share opinions with the rest of partners.



In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

Strength	Weakness
<p>To share Knowledge and experience with the rest of partners.</p> <p>to strength friendship among forest fighters.</p>	<p>Different layvafes and different organisations models in forest fire fighting.</p>
Opportunities	Threats
<p>To learn from others experiences re forest fire fighting.</p>	<p>To depend on financial programs to follow the training program.</p>

PILOT EXERCISE
12th - 13th December 2018

X	Castilla y Leon
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	Portugal
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	Tuscany Region
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	France
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The pilot exercise was addressed to check the collaboration among trained and expert people in a simulated forest fire within an international cooperation scheme. Taking into consideration this aim, we would like to know your opinion about the following aspects of the exercise:

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The pilot training was useful for developing the first competence of EUFO: Liaison officer in major fires			X			The pilot training was more useful to develop task of Incident Commander
The pilot training was useful for developing the second competence of EUFO: External force leader in a trans boundary mission	X					Because ⁱⁿ the groups of work ^{there} were people of all nationalities
The pilot training was useful for developing the third fundamental competence of EUFO: Added value of common knowledge in major fires (advisory function);	X					
The objectives of the exercise were clearly defined	X					
The instructions given by the local incident commander at the beginning of the exercise were complete and useful	X					

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Comments
The reconnaissance by helicopter was useful for carrying out the assigned task	X					
The presence of a fire analyst was useful for the exercise	X					
Working together with the known people, already met during the pilot training course, allowed me to be more effective in the exercise	X					
The paper version of the cartography allowed to have good information about the area of the exercise		X				In my region we use maps 1:10.000
The digital version of the cartography allowed to have good information about the area of the exercise	X					
The language was not a problem for communicating within the international group	X					
Work in an international group resulted in a more effective action due to the possibilities to develop synergies	X					
The pilot training course and the simulated exercise together with the field exercise were very effective for developing the ability and skills requested to the EUFO	X					
For maintaining the training level of the EUFO, an exercise (simulated or on the field) should be carried out at least every two years		X				(If you do not agree, please suggest the frequency)

Please, feel free to add any other comments/suggestions for improving the quality of this kind of exercise

The exercise was very well, but in my opinion it had to be focused in the tasks of liaison officer.

Someone arrives to a fire and in the incident commander gives him/her the instruction about what do and he/she ~~says~~ tells the people who work with s/he.

The liaison officer has to manage to deal with people to another country in the fire.

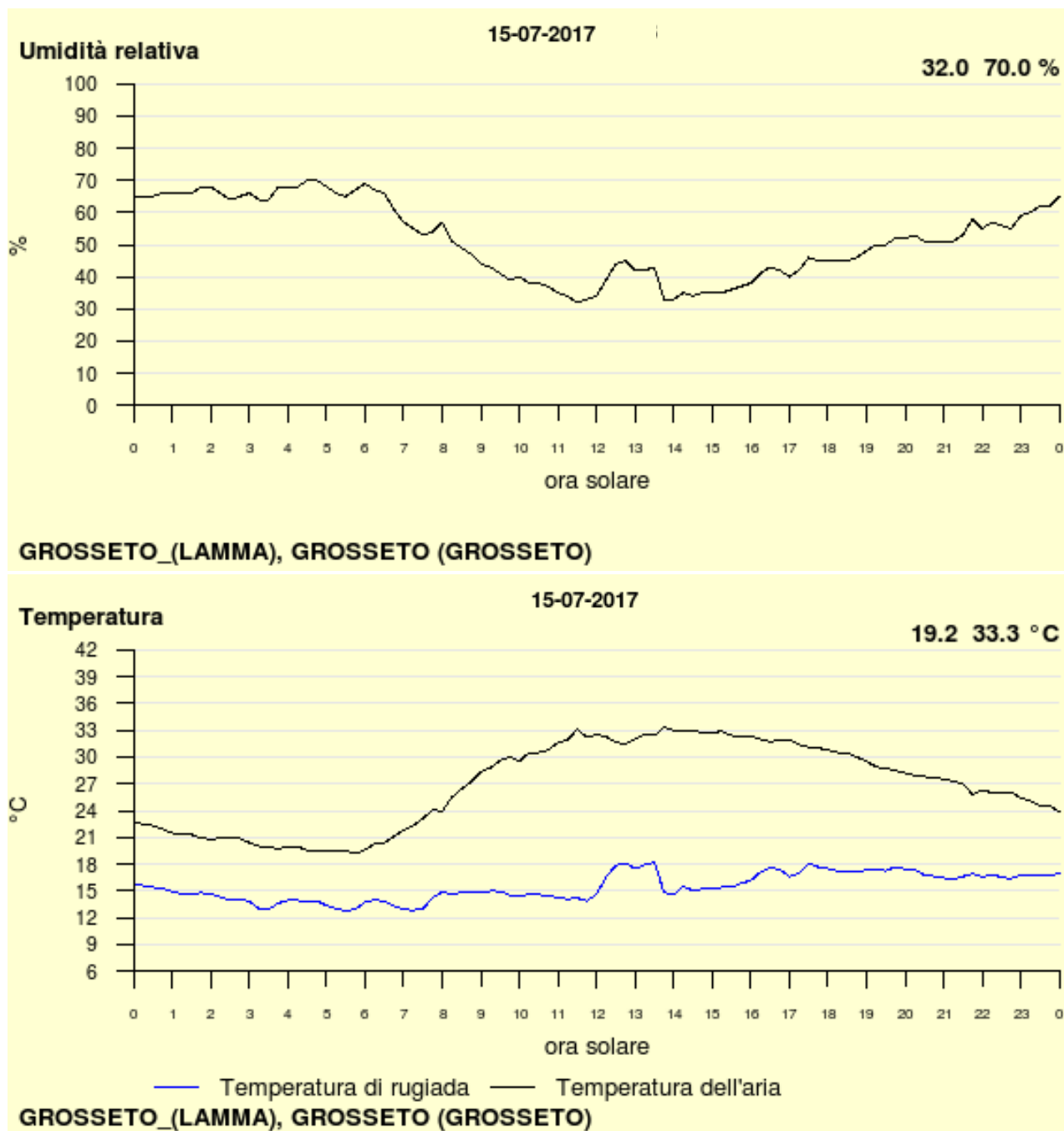
In relation with the exercise and on the basis of your experiences, please add at least two comments on each of the following aspect:

OPPORTUNITIES Strength	Weakness
<ul style="list-style-type: none"> - working with with all people to other countries - Knowing the ways of work in other countries 	<ul style="list-style-type: none"> - Time employee, I think was too much we used too much time in "dead times". - The exercise isn't especially to lesson offer.
Opportunities STRENGTH	Threats
<ul style="list-style-type: none"> - The The knowledge of the land. - The means used, helicopter, cars, more predictions, map.... People who prepared the exercise 	<ul style="list-style-type: none"> - There Not reflexing really one fire. In a real forest fire you can't know when (what time) it's going to have the spotting - If we don't practice we will miss our abilities

Annex II – Weather conditions considered in simulation

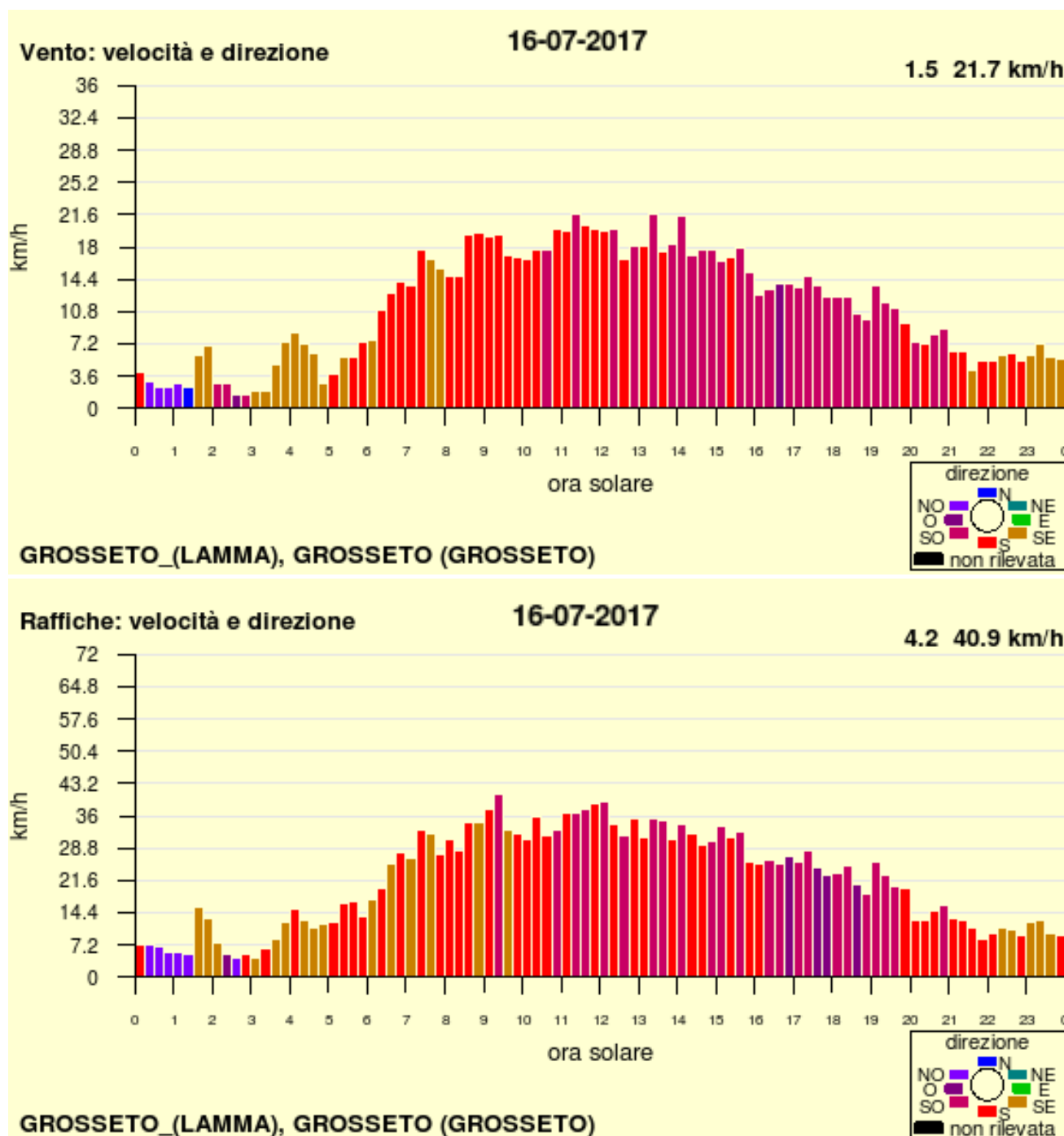
15 Luglio



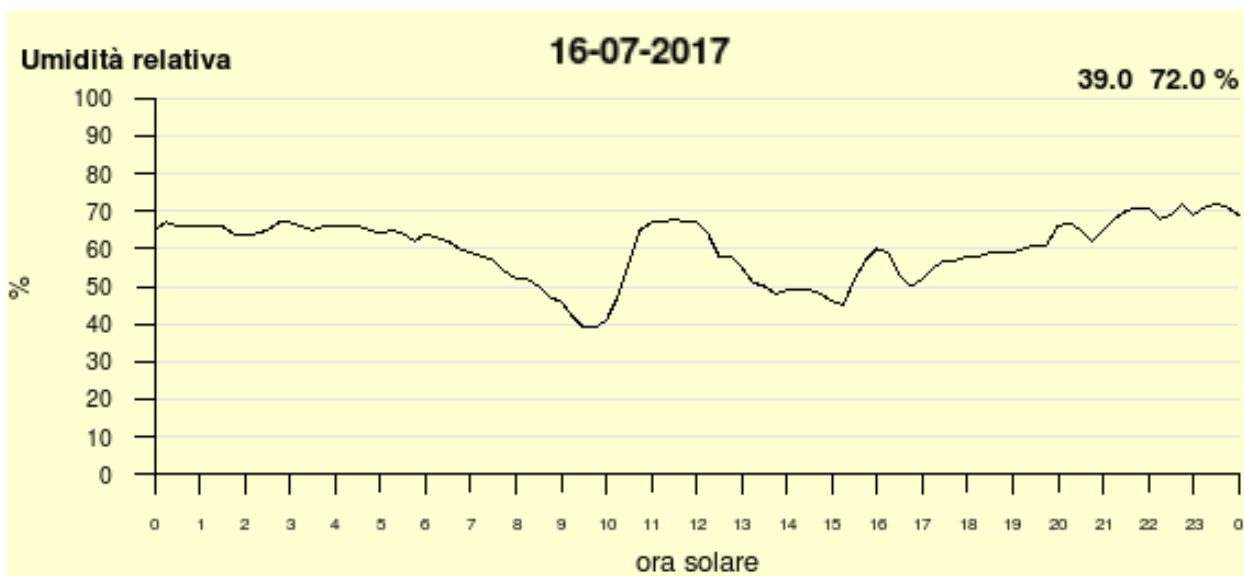


Sopra : grafico Umidità Sotto: Grafico Temperatura

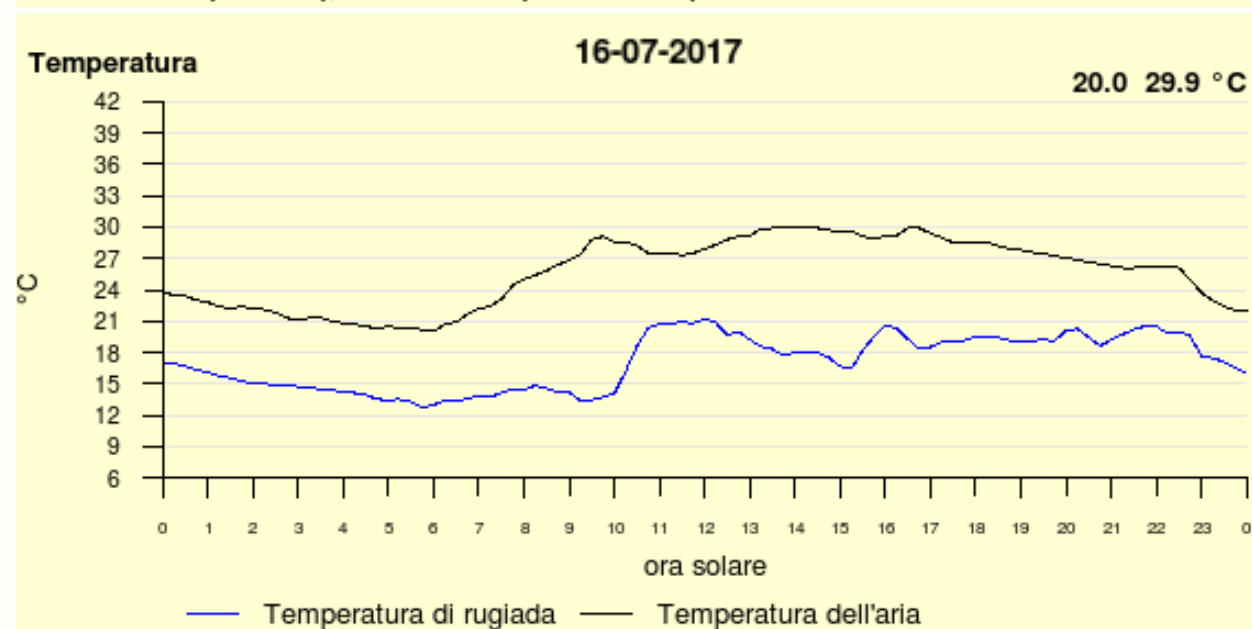
16 Luglio



Sopra grafico vento e sotto grafico raffiche

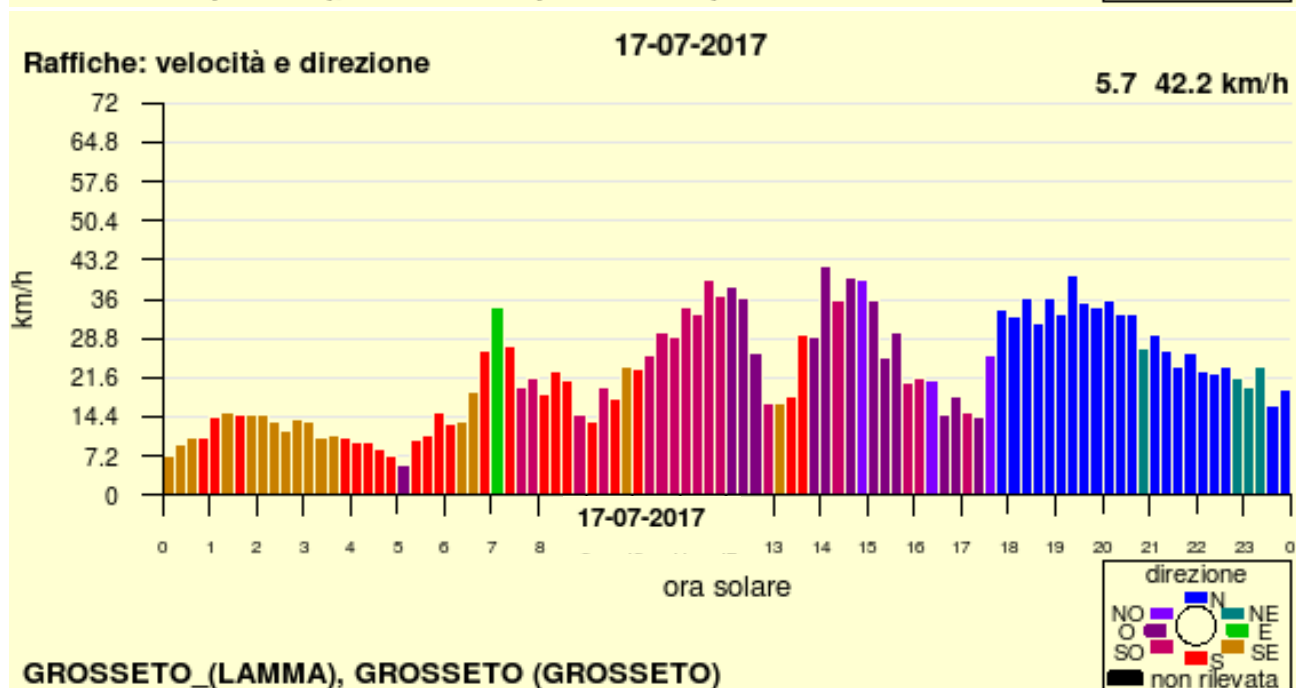
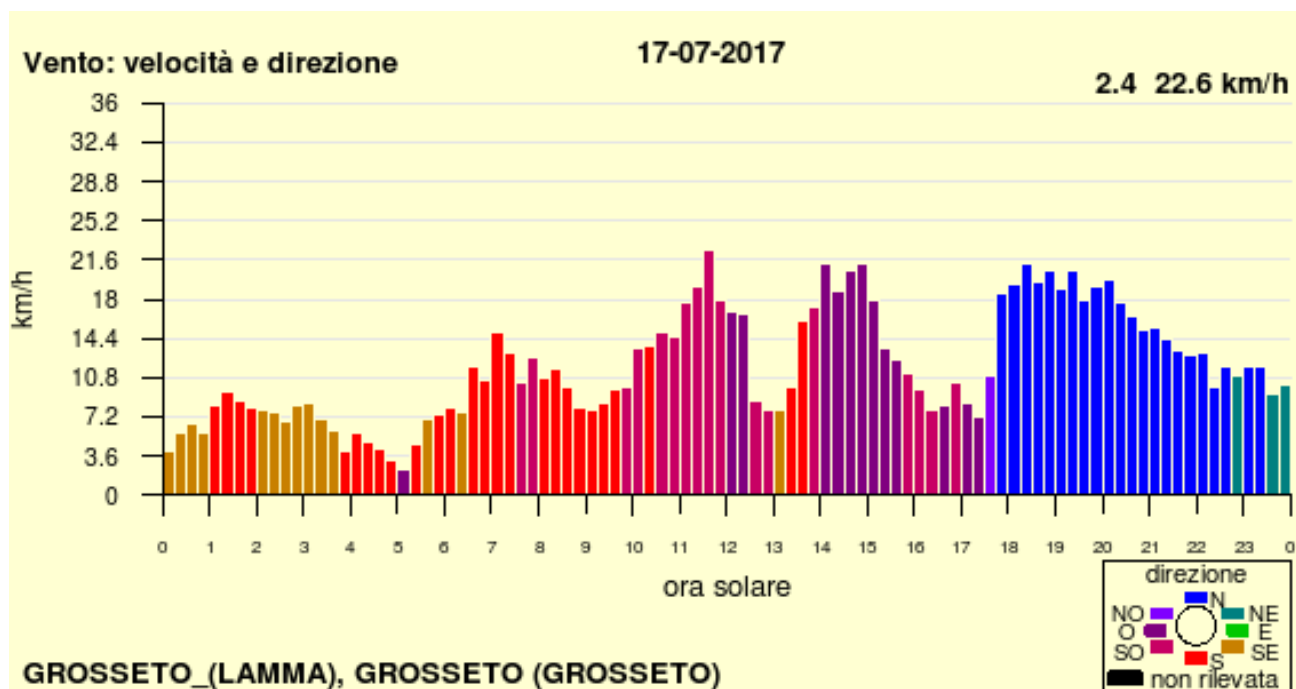


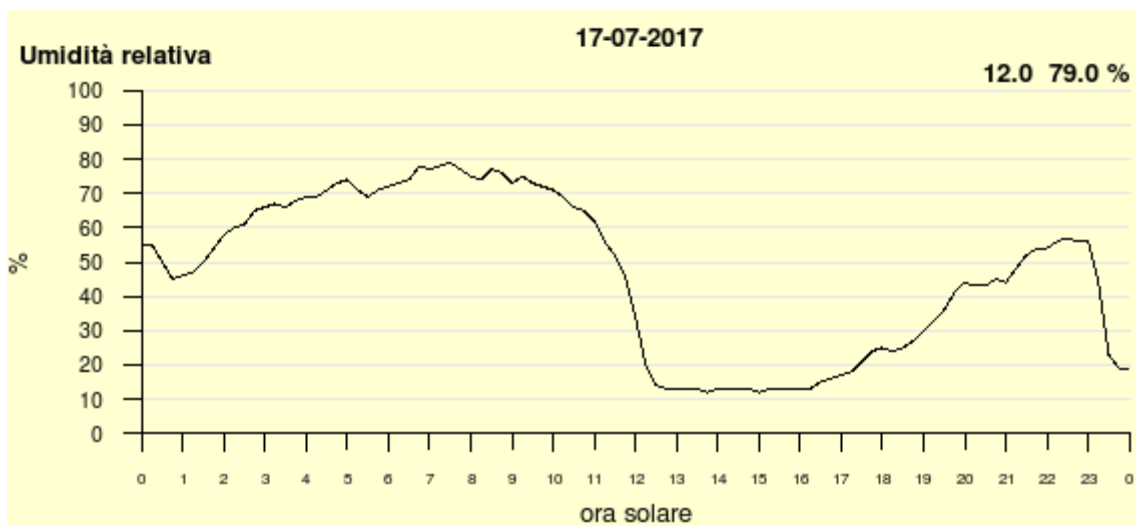
GROSSETO_(LAMMA), GROSSETO (GROSSETO)



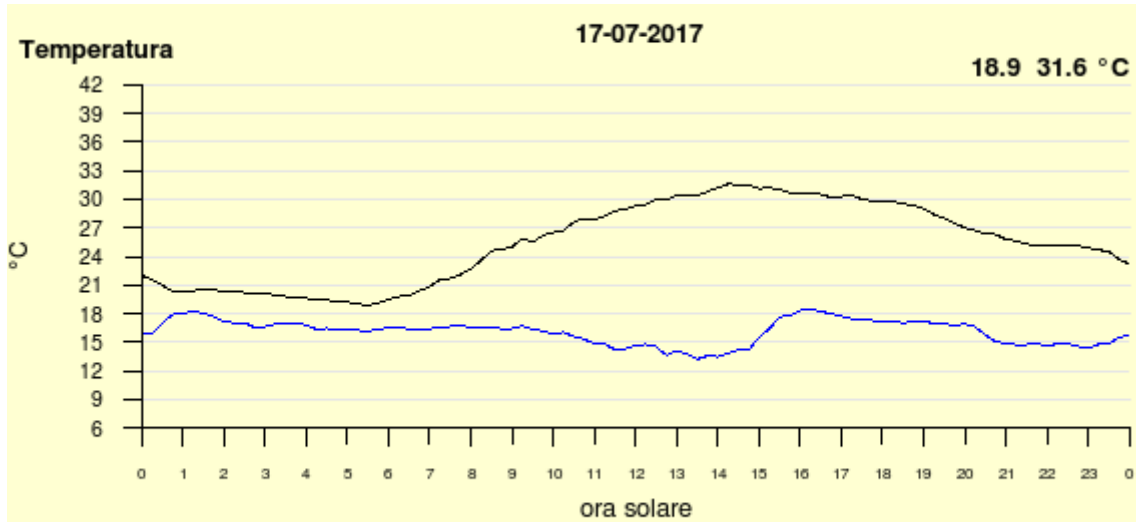
GROSSETO_(LAMMA), GROSSETO (GROSSETO)

17 Luglio





GROSSETO_(LAMMA), GROSSETO (GROSSETO)

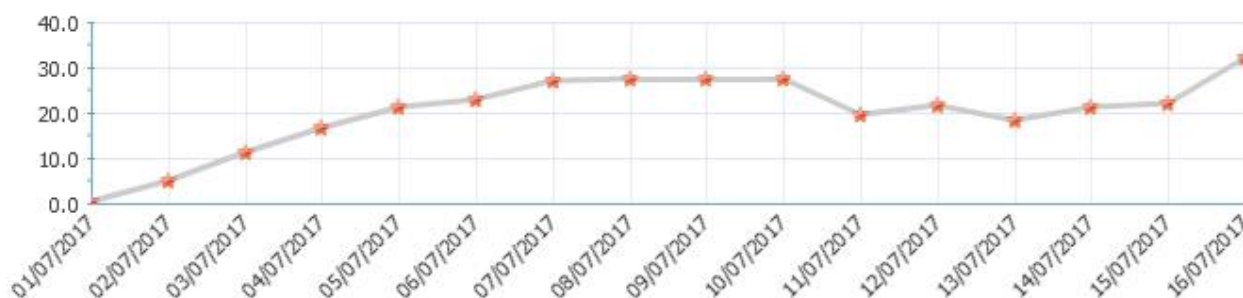


— Temperatura di rugiada — Temperatura dell'aria

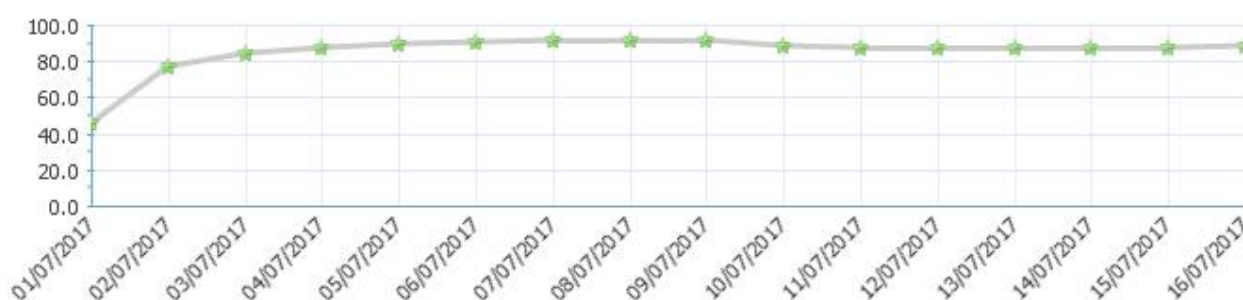
GROSSETO_(LAMMA), GROSSETO (GROSSETO)

DATI INCENDIO fino al 16 luglio

FWI dal 01/07/2017 al 16/07/2017 – MONTICIANO (SIENA)

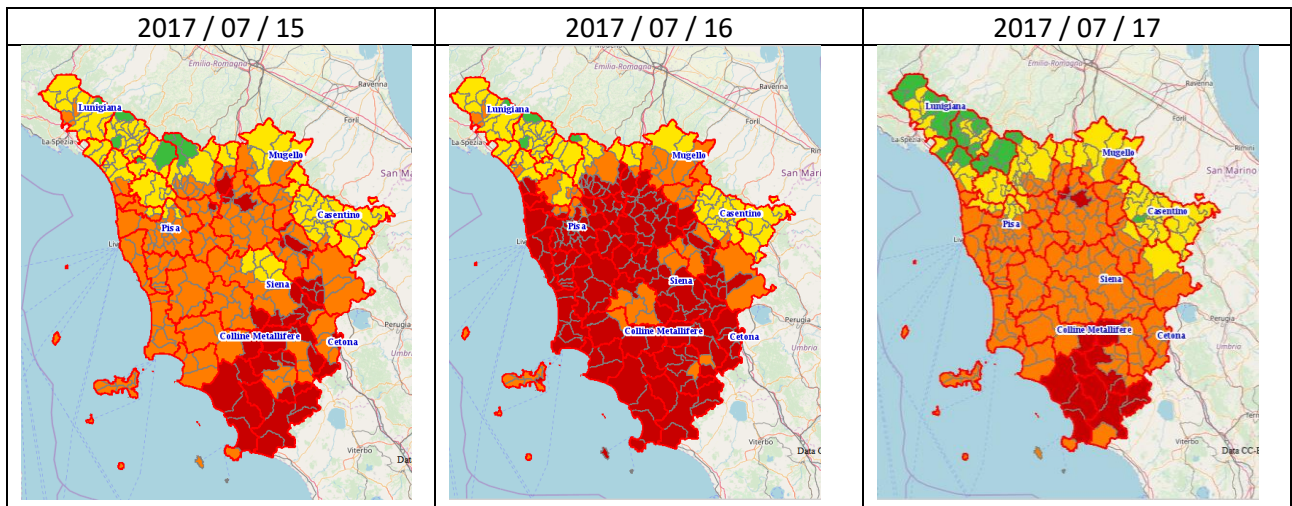


FFMC dal 01/07/2017 al 16/07/2017 – MONTICIANO (SIENA)

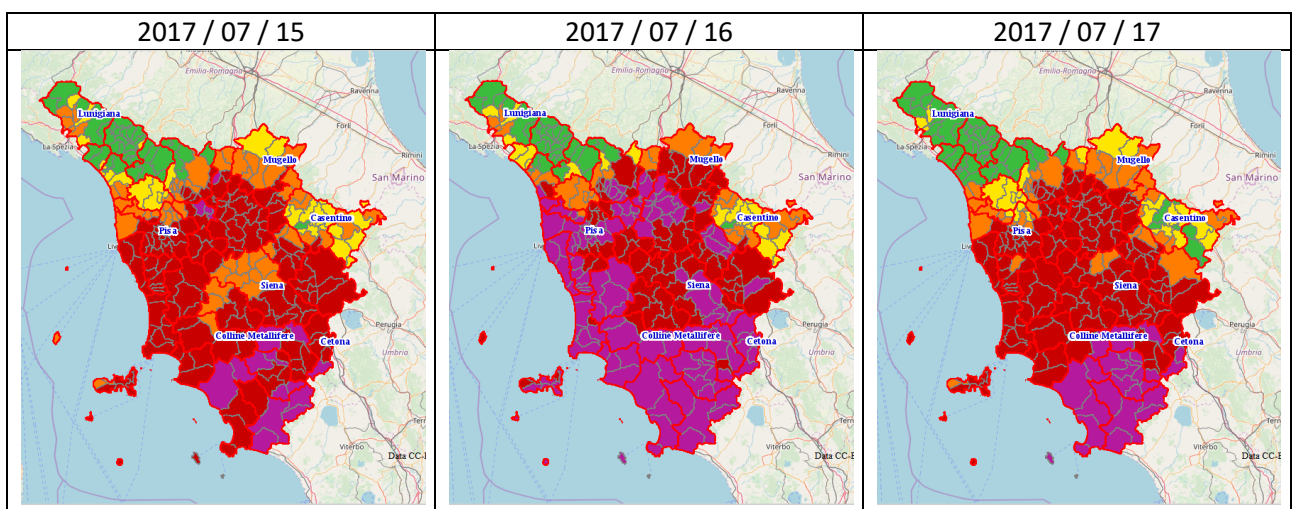


INDICE	2017_07_15	2017_07_16	2017_07_17
FWI	27.3	29.7	31.5
FFMC	87.0	88.9	87.9
DMC	120.6	122.8	126.4
DC	786.7	825.1	821.2

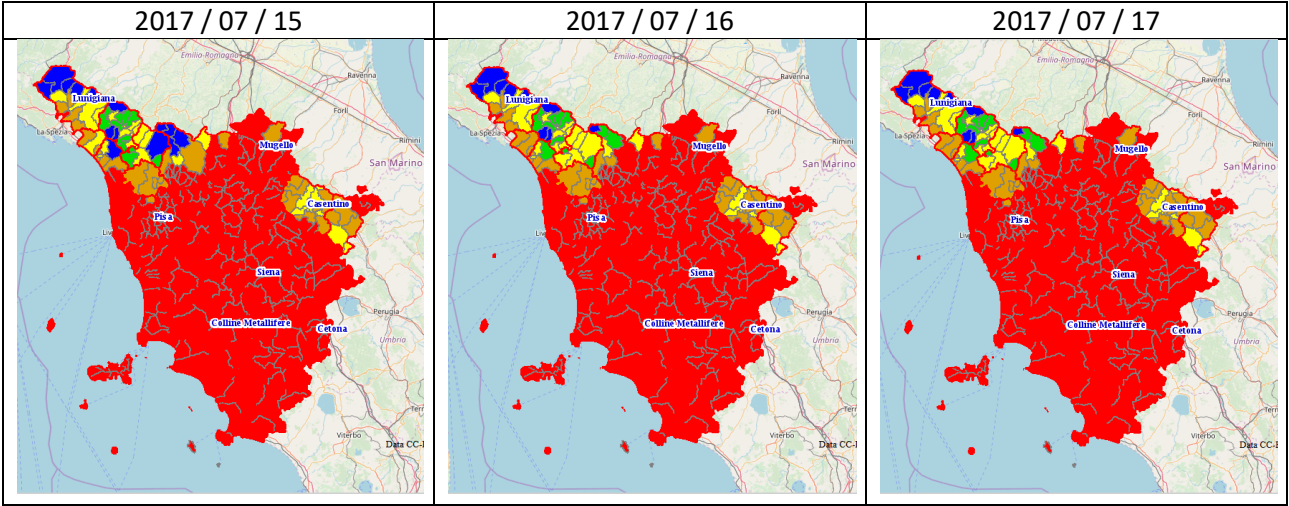
FFMC



FWI



DMC



DC

