

Operational tools for improving efficiency in wildfire risk reduction in EU landscapes

FIREfficient

Expert Database of land and fire planners

Action 4.3

Action A4.3 Developing a participatory platform of land and fire planners for large wild fire spread risk reduction.

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Summary

1. INTRODUCTION	2
2. EXPERT DATABASE CLASSIFICATION.....	2
2.1. Scope of actors	2
2.2. Professional Profile	4
3. LIST OF PARTICIPANTS IDENTIFIED.....	6
4. BIBLIOGRAPHY	13

1. INTRODUCTION

'Establishing synergies to facilitate access to and exchange of information and expertise on risk analysis, along with the adaptation of a common terminology on the risk elements are necessary to harmonize the integration planning' is one of the conclusions of the *Seminar: Planning risk of forest fires and other natural hazards* (Barcelona, 25 February 2015). Last part of the FIREfficient *Deliverable 2.3. -Proceedings of the International Workshop on Wildfire Risk Assessment and Land planning* was focused on 'Challenges around knowledge, training and tools available for an effective integration of wildfire risk management', with some specific requirements as 'the need of the arrival of the existing knowledge to the academy through the coordination of joint projects between different experts'. Also, during the U.K. Mission of FIREfficient project, U.K. experts claimed for 'Increasing the exchanges of knowledge and experience between Mediterranean countries with many years dealing with large and severe fires and U.K.'

Requirements and conclusions described above are only a few examples of the need of creating a platform for exchanging knowledge, good and bad experiences, best practices, glossaries, studies, etc. A compilation of fire and land planners experts around Europe has been carried out. These identified professionals will be invited to participate in a lessons learned platform for exchanging knowledge.

2. EXPERT DATABASE CLASSIFICATION

2.1. Scope of actors

Actors identified are from nine different European countries, and three non-European Union countries:

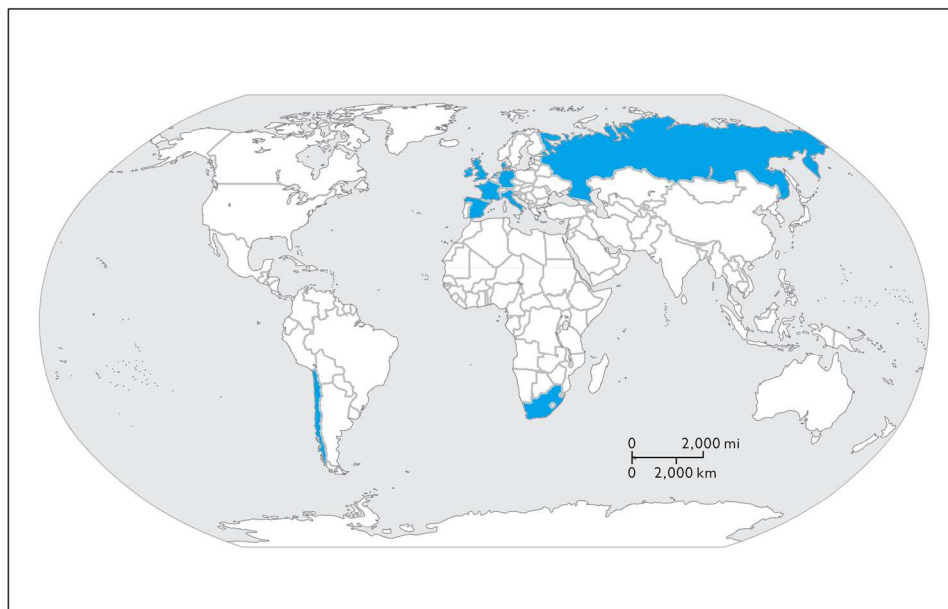
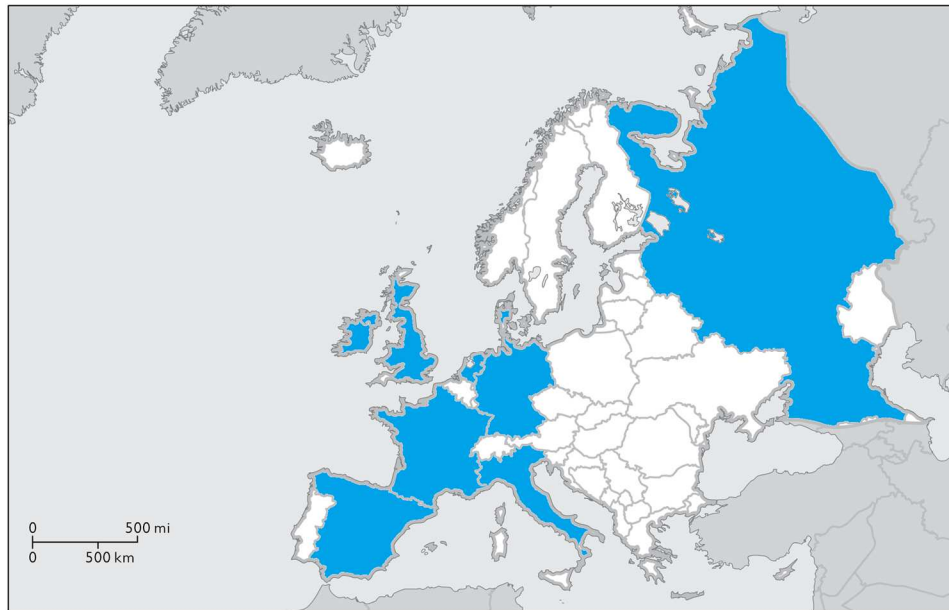


TABLE 1. ACTOR'S ORIGINE COUNTRIES

Actor's origine countries	
Andorra	5
Chile	1
Denmark	2
France	10
Germany	7
Ireland	23
Italy	2
Netherlands	1
Russia	1
South Africa	6
Spain	95
United Kingdom	30



EUROPE

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FIGURE 2. MAP OF EUROPEAN ACTORS DISTRIBUTION

The scope of the 183 actors identified shows the potential impact area of their activities in the following sizing: World, Europe, National, Regional and Local.

This classification, focus not only with their mean activities (as can be fighting fires from a local fire service in their own town), but also with their capability to disseminate their job or influence the public opinion in their own area.

The importance of this classification lies in the capability to allow the project partners to select the correct actors in the way to foster their participation in the participatory and repository platform.

TABLE 2. ACTOR'S SCOPE

SCOPE	
Regional	75%
Local	9%
National	8%
World	4%
Europe	4%

2.2. Professional Profile

One of the main objectives of this database is to compile a list of concrete professionals that can be involved in the integration of fire risk in the landscape. A set of professional profiles were identified in order to develop the *Training Standards in wildfires risk planning for land and fire planners* (Task 3.2 FIREfficient Project). These professional profiles classification will also be used to classify user inside the participatory and repository platform as a requirement to share knowledge and information.

- **Forest Management**

DEF: (a) Forest management is a system of practices for stewardship and use of forest land aimed at fulfilling relevant ecological (including biological diversity), economic and social functions of the forest in a sustainable manner (Framework Convention for Climate Change (2001) in FAO, 2002)

(b) Forest resources and forest lands should be sustainably managed to meet the social, economic, ecological, cultural and spiritual needs of present and future generations. These needs are for forest products and services, such as wood and wood products, water, food, fodder, medicine, fuel, shelter, employment, recreation, habitats for wildlife, landscape diversity, carbon sinks and reservoirs, and for other forest products. Appropriate measures should be taken to protect forests against harmful effects of pollution, including air-borne pollution, fires, pests and diseases, in order to maintain their full multiple value ('Forest Principles'-UN 1992 in FAO, 2002).

- **Emergency Management**

DEF: Emergency management is the managerial function charged with creating the framework within which communities reduce vulnerability to hazards and cope with disasters. Emergency management protects communities by coordinating and integrating all activities necessary to build, sustain, and improve the capability to mitigate against, prepare for, respond to, and recover from threatened or actual natural disasters, acts of terrorism, or other man-made disasters. (Blanchard, 2007).

- **Land management**

DEF: The process of managing the use and development of an area of land for: wildfire prevention; conservation, restoration or protection of the environment; commerce; and/or for other reasons (EUFOFINET, 2012)

- **Urban planning**

DEF: Planning, also called urban planning or city and regional planning, is a dynamic profession that works to improve the welfare of people and their communities by creating more convenient, equitable, healthful, efficient, and attractive places for present and future generations (American Planning Association, 2015)

- **Fire Management**

DEF: (a) All activities required for the protection of burnable forest values from fire and the use of fire to meet land management goals and objectives (FAO, 1986)

(b) Activities required for the protection of burnable wildland values from fire and the use of prescribed fire to meet land management objectives (NWCG, 2008)

(c) A fire manager integrates fire-related environmental, social, economic, and technological information into land management activities to meet desired objectives (NWCG,

(d) Fire management is the discipline of using fire to achieve land management and traditional use objectives, together with the safeguarding of life, property and resources through the prevention, detection, control, restriction and suppression of fire in forest and other vegetation in rural areas. This involves planned as well as naturally occurring fires, and includes research and technology transfer (FAO, 2006)

- **Research**
All those centers fostering the research in forestry, security, landscape managing as universities, private centers, etc.
- **Forest owners and Forest owners associations**
DEF: Generally refers to the legal right to freely and exclusively use, control, transfer, or otherwise benefit from a forest. Ownership can be acquired through transfers such as sales, donations, and inheritance (FAO, 2015).
- **Politics**

TABLE 3. PROFESSIONAL PROFILE (%) OF IDENTIFIED ACTORS

PROFILE	
Emergency Management	47%
Forest Management	19%
Research	16%
Land Management	6,5%
Fire Management	4%
Forest Owner	4%
Urban planning	3%
Training	0,5%

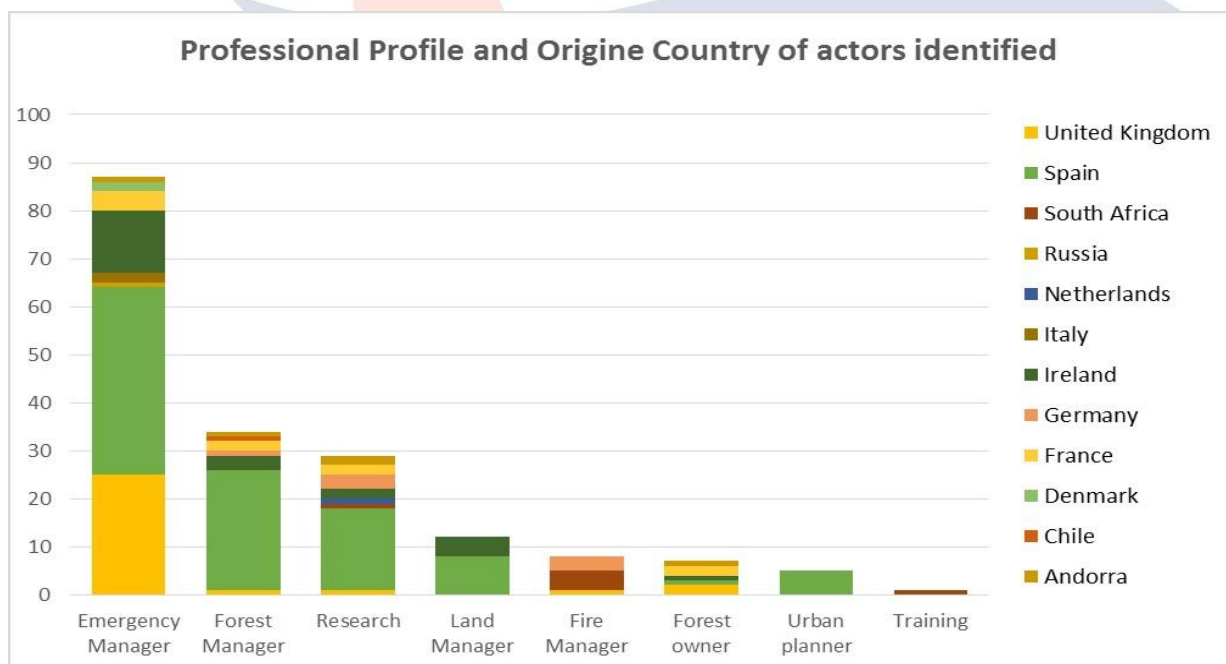


FIGURE 3. PROFESSIONAL PROFILE AND ORIGINE OF ACTORS IDENTIFIED

3. LIST OF PARTICIPANTS IDENTIFIED

Nb	Country	State	Scope	Name	Organisation	Profile
1	Andorra	Andorra	Regional	JCT	Conselleria de Medi Ambient	Forest owner
2	Andorra	Andorra	Regional	MS	Conselleria de Medi Ambient	Forest Manager
3	Andorra	Andorra	Regional	CENA	Centre Estudis Natura Andorra	Research
4	Andorra	Andorra	Regional	MF	Centre Tecnològic Forestal de Catalunya	Research
5	Andorra	Andorra	Regional	PP	Bombers d'Andorra	Emergency Manager
6	Chile	Chile	National	JBB	CONAF	Forest Manager
7	Denmark	Copenhaguen	Regional	O H	Frederikssund-Halsnaes Fire and Rescue	Emergency Manager
8	Denmark	Copenhaguen	Regional	TD	Frederikssund-Halsnaes Fire and Rescue	Emergency Manager
9	France	Aude	Regional	GG	Sapeurs Pompiers SDIS 11	Emergency Manager
10	France	Bouches-du-Rhône	Regional	SL	Sapeurs Pompiers SDIS 13	Emergency Manager
11	France	Bouches-du-Rhône	Regional	VP	Sapeurs Forestier	Forest Manager
12	France	Bouches-du-Rhône	World	JMD	Pole-risques	Research
13	France	France	National	UCFF	UCFF	Forest Manager
14	France	France	National	CNPF	CNPF	Forest Owner
15	France	France	National	IDF	IDF	Research
16	France	PACA	Regional	FPF	Forêt Privée Française	Forest Owner
17	France	Pyrinees Orientals	Regional	L	Sapeurs Pompiers SDIS 66	Emergency Manager
18	France	Pyrinees Orientals	Regional	CO	Sapeurs Pompiers SDIS 67	Emergency Manager
19	Germany	Germany	World	JG	Global Fire Monitoring Center	Fire Manager
20	Germany	Germany	National	DM	Waldbrandteam	Fire Manager
21	Germany	Germany	National	EB	German Federal Forest Manager	Forest Manager
22	Germany	Germany	Europe	AH	European Forest Institute	Research
23	Germany	Germany	Europe	DK	European Forest Institute	Research
24	Germany	Germany	National	RM	Biological Station Düren	Research
25	Germany	World	World	AH	Working on Fire	Fire Manager

Nb	Country	State	Scope	Name	Organisation	Profile
26	Ireland	Ireland	Local	MB	FRS	Emergency Manager
27	Ireland	Ireland	Local	MF	FRS	Emergency Manager
28	Ireland	Ireland	Local	JC	FRS	Emergency Manager
29	Ireland	Ireland	Local	TA	FRS	Emergency Manager
30	Ireland	Ireland	Local	CF	FRS	Emergency Manager
31	Ireland	Ireland	Local	ER	FRS	Emergency Manager
32	Ireland	Ireland	Local	PG	FRS	Emergency Manager
33	Ireland	Ireland	Local	LJC	FRS	Emergency Manager
34	Ireland	Ireland	Local	BC	FRS	Emergency Manager
35	Ireland	Ireland	Local	JN	FRS	Emergency Manager
36	Ireland	Ireland	Local	FM	FRS	Emergency Manager
37	Ireland	Ireland	Regional	CN	Forest Manager - Dpt Agriculture, Food and Marine	Forest Manager
38	Ireland	Ireland	Regional	EC	Mourne Heritage Trust	Forest Manager
39	Ireland	Ireland	Regional	DF	Mourne Heritage Trust	Forest Manager
40	Ireland	Ireland	Regional	MP	Coillte	Forest Owner
41	Ireland	Ireland	Regional	AD	Tegasc	Land Manager
42	Ireland	Ireland	Regional	DB	Tegasc	Land Manager
43	Ireland	Ireland	Regional	JC	Tegasc	Land Manager
44	Ireland	Ireland	Regional	JC		Land Manager
45	Ireland	Ireland	Regional	CS	University of Swansea	Research
46	Ireland	Ireland	Regional	SHD	University of Swansea	Research
47	Ireland	North Ireland	Regional	MB	North Ireland FRS	Emergency Manager
48	Ireland	North Ireland	Regional	BI	North Ireland FRS	Emergency Manager
49	Italy	Sardegna	Regional	GD	Servizio territoriale dell'Ispettorato ripartimentale di Cagliari	Emergency Manager
50	Italy	Veneto	Regional	EV	Sezione Protezione Civile	Emergency Manager
51	Netherlands	Netherlands	National	WS	Politie Nederland	Research
52	Russia	Russia	National	AE	Smokejumper	Emergency Manager
53	South Africa	South Africa	World	JH	Kishugu	Fire Manager

Nb	Country	State	Scope	Name	Organisation	Profile
54	South Africa	South Africa	World	CA	Working on Fire	Fire Manager
55	South Africa	South Africa	World	PF	Advanced Fire Information System	Research
56	South Africa	World	World	BC	Working on Fire	Fire Manager
57	South Africa			BS		Fire Manager
58	South Africa			FF	Working on Fire	Training
59	Spain	Andalucía	Regional	ML	Junta de Andalucía	Emergency Manager
60	Spain	Andalucía	Regional	VR	Junta de Andalucía	Emergency Manager
61	Spain	Andalucía	Regional	FS	Plan Infoca	Emergency Manager
62	Spain	Andalucía	Regional	CR	Plan Infoca	Emergency Manager
63	Spain	Andalucía	Regional	FJAM	Almería	Forest Manager
64	Spain	Aragón	Regional	JS	Servicio Forestal Aragón	Emergency Manager
65	Spain	Aragón	Regional	FM	Servicio Forestal Aragón	Land Manager
66	Spain	Aragón	Regional	MB	Gobierno de Aragón	Emergency Manager
67	Spain	Aragón	Regional	FL	Gobierno de Aragón	Forest Manager
68	Spain	Asturias	Regional	LAP	Servicio de Montes	Forest Manager
69	Spain	Canary Islands	Regional	JB	Cabildo de Gran Canaria	Emergency Manager
70	Spain	Cantabria	Regional		Gobierno de Cantabria	Forest Manager
71	Spain	Cantabria	Regional		Gobierno de Cantabria	Forest Manager
72	Spain	Castilla La Mancha	Regional	MA	Unidad de Análisis y Planificación	Emergency Manager
73	Spain	Castilla La Mancha	Regional	JC	Unidad de Análisis y Planificación	Emergency Manager
74	Spain	Castilla La Mancha	Regional	JJF	GEACAM	Emergency Manager
75	Spain	Castilla La Mancha	Regional	DG	GEACAM - INFOCAM - JCCM	Emergency Manager
76	Spain	Catalonia	Regional	AG	Bombers de Catalunya	Emergency Manager
77	Spain	Catalonia	Regional	MB	Bombers de Catalunya	Emergency Manager
78	Spain	Catalonia	Regional	SM	Bombers de Catalunya	Emergency Manager
79	Spain	Catalonia	Regional	JG	GRAF	Emergency Manager
80	Spain	Catalonia	Regional	AL	GRAF - Bombers de la Generalitat de Catalunya	Emergency Manager

Nb	Country	State	Scope	Name	Organisation	Profile
81	Spain	Catalonia	Regional	JP	GRAF - Bombers de la Generalitat de Catalunya	Emergency Manager
82	Spain	Catalonia	Regional	JR	Direcció General de Prevenció, Extinció d'Incendis i Salvaments	Emergency Manager
83	Spain	Catalonia	Regional	AL	UT GRAF- Cos de Bombers	Emergency Manager
84	Spain	Catalonia	Regional	EN	UT GRAF- Cos de Bombers	Emergency Manager
85	Spain	Catalonia	Regional	JP	UT GRAF- Cos de Bombers	Emergency Manager
86	Spain	Catalonia	Regional	MC	UT GRAF- Cos de Bombers	Emergency Manager
87	Spain	Catalonia	Regional	MM	UT GRAF- Cos de Bombers	Emergency Manager
88	Spain	Catalonia	Regional	LCF	GRAF - Bombers de la Generalitat de Catalunya	Emergency Manager
89	Spain	Catalonia	Regional	AFC		Emergency Manager
90	Spain	Catalonia	Regional	CETFC	Col·legi Enginyers Tècnics Forestals de Catalunya	Forest Manager
91	Spain	Catalonia	Local	EB	Ramats al Bosc	Forest Manager
92	Spain	Catalonia	Regional	LB	Col·legi Ambientòlegs de Catalunya	Forest Manager
93	Spain	Catalonia	Local	PF	Direcció General de Medi Natural i Biodiversitat	Forest Manager
94	Spain	Catalonia	Regional	XCA	Direcció General de Medi Natural i Biodiversitat	Forest Manager
95	Spain	Catalonia	Regional	FFC	Centre de la Propietat Forestal	Forest Manager
96	Spain	Catalonia	Regional	RF	Centre de la Propietat Forestal	Forest Manager
97	Spain	Catalonia	Regional	TC	Centre de la Propietat Forestal	Forest Manager
98	Spain	Catalonia	Regional	JMQ	Pasturabosc	Forest Manager
99	Spain	Catalonia	Regional	JMTA	Consorti Forestal de Catalunya	Forest Manager
100	Spain	Catalonia	Regional	NN	Forestal Catalana	Forest Manager
101	Spain	Catalonia	Regional	CPF	Centre de la Propietat Forestal	Forest Owner
102	Spain	Catalonia	Regional	FP	Diputació Tarragona	Land Manager
103	Spain	Catalonia	Local	JR	Consorti de la Serra de Llaberia	Land Manager
104	Spain	Catalonia	Regional	EP	Centre Tecnològic Forestal de Catalunya	Research
105	Spain	Catalonia	Regional	MP	Centre Tecnològic Forestal de Catalunya	Research
106	Spain	Catalonia	Regional	MTV	Centre Tecnològic Forestal de Catalunya	Research
107	Spain	Catalonia	Regional	DMG	Centre Tecnològic Forestal de Catalunya	Research

Nb	Country	State	Scope	Name	Organisation	Profile
108	Spain	Catalonia	Regional	ADB	Centre Tecnològic Forestal de Catalunya	Research
109	Spain	Catalonia	Regional	LBA	Centre Tecnològic Forestal de Catalunya	Research
110	Spain	Catalonia	Regional	MSD	Centre Tecnològic Forestal de Catalunya	Research
111	Spain	Catalonia	Regional	JP	CREAF	Research
112	Spain	Catalonia	Regional	AA	CREAF	Research
113	Spain	Catalonia	Regional	DM	Universitat de Lleida	Research
114	Spain	Catalonia	Regional	JRGO	Centre Tecnològic Forestal de Catalunya	Research
115	Spain	Catalonia	Regional	JT	Direcció General d'Ordenació del Territori i Urbanisme	Urban planner
116	Spain	Catalonia	Regional	MRV	Direcció General d'Ordenació del Territori i Urbanisme	Urban planner
117	Spain	Catalonia	Regional	SL	Institut Català del Sòl	Urban planner
118	Spain	Catalonia	Regional	AZ	Màster d'Arquitectura del Paisatge - UPC	Urban planner
119	Spain	Catalonia	Regional	PM	Màster d'Arquitectura del Paisatge - UPC	Urban planner
120	Spain	Comunitat Valenciana	Regional	BS	Bombers de Valencia	Emergency Manager
121	Spain	Comunitat Valenciana	Regional	JA	Bombers de Valencia	Emergency Manager
122	Spain	Comunitat Valenciana	Regional	RQ	Consorcio Bomberos Valencia	Emergency Manager
123	Spain	Comunitat Valenciana	Regional	JLS	Consorcio Bomberos Valencia	Emergency Manager
124	Spain	Comunitat Valenciana	Regional	JC	Alicante	Forest Manager
125	Spain	Comunitat Valenciana	National	JP	CSIC	Research
126	Spain	Extremadura	Regional	AG	Servicio de Montes	Forest Manager
127	Spain	Galicia	Regional	JMA	Xunta de Galicia	Emergency Manager
128	Spain	Galicia	Regional	RISÁ	Xunta de Galicia	Emergency Manager
129	Spain	Galicia	Regional	JST	Xunta de Galicia	Forest Manager
130	Spain	Illes Balears	Regional	EB	CAIB	Forest Manager
131	Spain	Illes Balears	Regional	B	Servicio Forestal Baleares	Forest Manager
132	Spain	Illes Balears	Regional	LT	CAIB	Forest Manager
133	Spain	Illes Balears	Regional	FS	IBANAT Ibiza	Land Manager
134	Spain	Illes Balears	Regional	EdS	Servicio Forestal Baleares	Land Manager

Nb	Country	State	Scope	Name	Organisation	Profile
135	Spain	Islas Canarias	Regional	DD	Cabilda Gran canaria	Forest Manager
136	Spain	Islas Canarias	Regional	EÁ	Cabildo La Palma	Forest Manager
137	Spain	Islas Canarias	Regional	FG	Servicio Forestal de Gran Canaria	Forest Manager
138	Spain	La Rioja	Regional	F	La Rioja	Emergency Manager
139	Spain	La Rioja	Regional	JR	La Rioja	Emergency Manager
140	Spain	Madrid	Regional	JA	Madrid	Emergency Manager
141	Spain	Madrid	National	RZ	Madrid	Emergency Manager
142	Spain	Madrid	National	DC	Meteogrid	Land Manager
143	Spain	Madrid	National	LG	Universidad Autónoma de Madrid	Land Manager
144	Spain	Madrid	National	CM	Universidad Complutense de Madrid	Land Manager
145	Spain	Navarra	Regional	RDC	Agencia Navarra de Emergencias	Emergency Manager
146	Spain	Navarra	Regional	JV	Agencia Navarra de Emergencias	Emergency Manager
147	Spain	Navarra	Regional	JCS	Bomberos de Navarra	Emergency Manager
148	Spain	Navarra	Europe	RG	TECNUM	Research
149	Spain	Pais Basco	Regional	JC	Bomberos Bizkaia	Emergency Manager
150	Spain	Spain	Europe	MB	Pau Costa Foundation	Research
151	Spain	Spain	Europe	OV	Pau Costa Foundation	Research
152	Spain	Spain	Europe	JV	Pau Costa Foundation	Research
153	Spain	Spain	Europe	HB	Pau Costa Foundation	Research
154	United Kingdom	Cumbria	Regional	A H	FRS	Emergency Manager
155	United Kingdom	Cumbria	Regional	BW	FRS	Forest Owner
156	United Kingdom	Ireland	Regional	JB	NIFRS	Emergency Manager
157	United Kingdom	Ireland	Regional	KB	NIFRS	Emergency Manager
158	United Kingdom	Ireland	Regional	RB	NIFRS	Emergency Manager
159	United Kingdom	Ireland	Regional	GC	NIFRS	Emergency Manager
160	United Kingdom	Ireland	Regional	DG	NIFRS	Emergency Manager
161	United Kingdom	Ireland	Regional	DG	NIFRS	Emergency Manager

Nb	Country	State	Scope	Name	Organisation	Profile
162	United Kingdom	Ireland	Regional	MG	NIFRS	Emergency Manager
163	United Kingdom	Ireland	Regional	AH	NIFRS	Emergency Manager
164	United Kingdom	Ireland	Regional	T H	NIFRS	Emergency Manager
165	United Kingdom	Ireland	Regional	JLW	NIFRS	Emergency Manager
166	United Kingdom	Ireland	Regional	DMA	NIFRS	Emergency Manager
167	United Kingdom	Ireland	Regional	PMG	NIFRS	Emergency Manager
168	United Kingdom	Ireland	Regional	LM	NIFRS	Emergency Manager
169	United Kingdom	Ireland	Regional	WS	NIFRS	Emergency Manager
170	United Kingdom	Ireland	Regional	MS	NIFRS	Emergency Manager
171	United Kingdom	Ireland	Regional	ND	NIFRS	Emergency Manager
172	United Kingdom	London	National	T S	King's College London	Emergency Manager
173	United Kingdom	London	National	RG	Forestry Comission	Fire Manager
174	United Kingdom	Northumberland	Regional	PC	Brecon Beacons Nat. Parks	Emergency Manager
175	United Kingdom	Northumberland	Regional	SG	South Walles FRS	Emergency Manager
176	United Kingdom	Northumberland	Local	AM	Northumberland National Park	Forest Manager
177	United Kingdom	Scotland	Regional	MB	Michael Bruce	Forest Owner
178	United Kingdom	South Wales	Regional	CH	South WalesFRS	Emergency Manager
179	United Kingdom	Wales	Local	A	Cardiff University	Research
180	United Kingdom	West Wales	Regional	GW	West Wales FRS	Emergency Manager
181	United Kingdom	West Wales	Regional	GL	West Wales FRS	Emergency Manager
182	United Kingdom	West Wales	Regional	NE	West Wales FRS	Emergency Manager
183	United Kingdom	West Wales	Regional	NG	West Wales FRS	Emergency Manager

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