

ALP FFIRS

Alpine Forest Fire waRning System

- AS priority area: Environment and Risk Prevention
- Duration: 01/09/2009 - 31/10/2012
- [Project webpage](#)
- [Project on the website of the Alpine Space Programme](#)

Project Partners

- **Lead partner:** [Regional Agency for Environmental Protection of Piedmont - Forecasting Dept.](#) (I) **Contact person:** Renata Pelosini, Tel.: +39 011 196 80306, r.pelosini[at]arpa.piemonte.it
- [Central Institute for Meteorology and Geodynamics](#) (A) **Contact person:** Alexander Beck, Tel.: +43 1 36026 2327, alexander.beck[at]zamg.ac.at
- [University of Natural Resources and Applied Life Sciences, Department of Forest and Soil Sciences, Institute of Silviculture](#) (A) **Contact person:** Harald Vacik, Tel.: +43 (0)1 47654 4052, harald.vacik[at]boku.ac.at
- [Fire brigade federation of Canton Ticino](#) (CH) **Contact person:** Daniele Ryser, Tel.: 0041 91 857 01 18, daniele.ryser[at]regionemalcantone.ch
- [Sezione forestale cantonale, Divisione dell'ambiente, Dipartimento del Territorio, Cantone Ticino](#) (CH) **Contact person:** Aron Ghiringhelli, Tel.: +41 91 814 36 5, aron.ghiringhelli[at]ti.ch
- [Swiss Federal Research Institute WSL](#) (CH) **Contact person:** Marco Conedera, Tel.: +41 91 821 52 31, marco.conedera[at]wsl.ch
- [Technical University of Munich, Institute of Ecoclimatology](#) (D) **Contact person:** Annette Menzel, Tel.: +49 (0)8161 714740, menzel[at]forst.tu-muenchen.de
- [Entente for the Mediterranean Forest / CEREN \(Test and Research Center of the Entente\)](#) (F) **Contact person:** Claude Picard, Tel.: +33 (0)4 42 60 86 90, adm.ceren[at]wanadoo.fr
- [Autonomous Region Friuli Venezia Giulia - Regional Civil Protection](#) (I) **Contact person:** Nadia Di Narda, Tel.: +39 0432 926753, nadia.dinarda[at]protezionecivile.fvg.it
- [Piemonte Region - Forest Policy Dept.](#) (I) **Contact person:** Federico Pelfini, Tel.: +39 0323 407070, federico.pelfini[at]regione.piemonte.it
- [Regional Agency for Development of Agriculture and Forestry \(RADAFA\)](#) (I) **Contact person:** Enrico Calvo, Tel.: +39 02 67404 655, enrico.calvo[at]ersaf.lombardia.it
- [Veneto Region - Civil defence project unit](#) (I) **Contact person:** Emanuela Ramon, Tel.: +39 0412795562, emanuela.ramon[at]regione.veneto.it
- [BSC, Business support centre ltd. Kranj](#) (SI) **Contact person:** Helena Cvenkel, Tel.: +386 4 281 72 30, helena.cvenkel[at]bsc-kranj.si
- [Slovenian Forestry Institute](#) (SI) **Contact person:** Marko Kovač, Tel.: +386 1 2007827, marko.kovac[at]gozdis.si

Project summary

"The project ALP FFIRS aims to improve forest fire prevention in [the Alpine Space](#) with the creation of a shared warning system based on weather condition affecting fire potential. The main goal is the development of a decision support tool for actors involved in forest fire prevention and suppression, consisting in a daily fire danger level assessment and forecast to identify critical periods in advance of their potential occurrence. Major target is the univocal European Forest Fire Danger Scale definition

and common danger level interpretation with resulting preparedness plans and operational procedures. Mutual aid in vigilance and extinction procedures will be defined. An Alpine network on forest fire impact mitigation will be assembled reflecting common political strategy in prevention management, also in relation to climate change affecting fire potential. The project allows modulation and coordination of alerting process and means dislocation in different countries as well as mutual aid protocol adoption.” Source: [ALP FFIRS project summary](#)

Hypotheses

- [Sensitive Alpine territory requires appropriate and diversified measures \(consensus-oriented multi-stakeholder approach\)](#)
- [Rural-urban partnership requires vital networks and processes](#)
- [Alps are a hotspot for maintaining and restoring ecosystem services](#)

Keywords

- [Natural resource management](#)
- [prevention](#)
- [Climate change](#)
- [legislation](#)

Topics

- [Reducing environmental damage](#)
- [Enhancing and protecting natural resources and natural heritage](#)
- [Limitation of natural disaster impacts](#)
- [Reducing environmental damage](#)
- [Safe development of energy resources](#)
- [Developing access to information and knowledge](#)

Results

[Results](#) of a project can be differentiated in [outputs](#), [outcomes](#) and [impacts](#) of an intervention.
Source: [OECD Glossary of Key Terms in Evaluation and Results Based Management](#).

Outputs

Output	Category	Language(s)	Target group	Remark
Unique shared Alpine Forest Fire Danger Scale	Indicator	SI, IT, FR, EN, DE, CH	Decision makers, Civil servants / administration, Planners, Scientists, Specific institutions, Civil society / citizen, Project stakeholders	Definition of an single fire danger scale in Alpine Space
Final Booklet	Report	SI IT EN DE	Decision makers, Civil servants / administration, Planners, Scientists, Specific institutions, Civil society / citizen, Project stakeholders, JTS	Includes main results of the project: common system for forest fire danger rating and warning in the Alps, regional climate scenarios and statistical study about
Alpine Forest Fire Glossary Part 1 Part 2	Guidelines	EN, FR, IT, DE, SI	Decision makers, Civil servants / administration, Planners, Scientists, Specific institutions, Civil society / citizen, Project stakeholders, JTS	Includes terms about forest fire, both technical and generic terms also about different field connected with forest fire, as meteorology, divided for thematic
ALPFFIRS Recommendations	(Policy) Recommendations	IT, EN, SI, DE, FR	Decision makers, Civil servants / administration, Planners, Specific institutions, Civil society / citizen, Project stakeholders	Institutional recommendations

Output	Category	Language(s)	Target group	Remark
Analysis of case studies	Analysis & Data	EN	Decision makers, Civil servants / administration, Planners, Scientists, Specific institutions, Civil society / citizen, Project stakeholders, JTS	During the project, the case studies concerning significant fires were described using a standard card, derived from the Fire Paradox and MANFRED projects
ALPFFIRS Brochure	Public relation	SI IT FR EN DE	Decision makers, Civil servants / administration, Planners, Scientists, Specific institutions, Civil society / citizen, Project stakeholders, JTS	A synthesis of the project and main results
Children Tale	Educational material	EN, IT	Civil servants / administration, Specific institutions, Civil society / citizen	An education story for children, to help them understand how important and valuable is the natural environment
Projection of fire potential to future climate scenarios in the Alpine area	Methodology/implementation plan	EN	Scientists	Scientific paper with methodological considerations
Statistical description of the datasets : weather	Indicator	EN	Scientists	Fire weather indice
Fire conditions Weather index	Indicator	EN	Scientists	Relationships on fires occurrences and burnt areas to weather indices were studied for a period of 1995-2009
Wildfires in the Alpine region: first results from the ALP FFIRS project	Conference proceedings	EN	Scientists	Paper for 5th International Wildland Fire Conference (South Africa) summarizing the first results of the project

Output	Category	Language(s)	Target group	Remark
Potential Fire Intensities in the Alpine Region based on characteristic fuels in Austria and Italy	Conference proceedings	EN	Scientists	Fire intensities custom fuel models of vegetation types, with special importance to local fire managers
Climate change impact on meteorological forest fire danger in the Alpine region	Conference proceedings	EN	Scientists	Paper for European Geosciences Union General Assembly 2011
Regional climate model downscaling with Multimodel SuperEnsemble in the Alpine area and wildfire potential evaluation in the scenario	Conference proceedings	EN	Scientists	Paper for European Geosciences Union General Assembly 2011
Climate change impacts on forest fires in the Alpine region	Conference proceedings	EN	Scientists	Paper for VI International Conference on Forest Fire Research 2010

Outcomes and Impacts

Unlike project outputs, outcomes and results cannot be described in a standardised way. Therefore, they are listed as free text:

<to be filled in>

Synergies

- Climate change
- Forest management
- Educational tool kit
- Reducing environmental damage and natural hazard risk prevention

Natural resource management, Risk management, Climate change, Environmental policy, EU project

From:

<http://www.wikialps.eu/> - **WIKIAlps - the Alpine WIKI**

Permanent link:

http://www.wikialps.eu/doku.php?id=wiki:alp_ffirs

Last update: **2018/07/18 12:16**



