

MANFRED

Management strategies to adapt Alpine Space Forests to climate change

- AS priority area: Environment and Risk Prevention
- Duration: 01/08/2009 - 31/07/2012
- [Project webpage](#)
- [Project on the website of the Alpine Space Programme](#)

Project Partners

- **Lead partner:** [Forest Research Institute of Baden-Wuerttemberg](#) (D) **Contact person:** Bin You, Tel.: +49 761 40 18 365, [Bin.You\[at\]forst.bwl.de](mailto:Bin.You[at]forst.bwl.de)
- [AIT Austrian Institute of Technology GmbH, Department Foresight & Policy Development, Business Unit Regional and Infrastructure Policy](#) (A) **Contact person:** Ernst Gebetsroither, Tel.: +43 50 550 4582, [Ernst.Gebetsroither\[at\]ait.ac.at](mailto:Ernst.Gebetsroither[at]ait.ac.at)
- [Research and Training Centre for Forests, Natural Hazards and Landscape](#) (A) **Contact person:** Silvio Schueler, Tel.: +43 (0)1 87838 2228, [silvio.schueler\[at\]bfw.gv.at](mailto:silvio.schueler[at]bfw.gv.at)
- [Stand Montafon - Forstfonds](#) (A) **Contact person:** Bernhard Maier, Tel.: +43 5556 72132 8, [bernhard.maier\[at\]stand-montafon.at](mailto:bernhard.maier[at]stand-montafon.at)
- [Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Research Programme Forestry and Climate](#) (CH) **Contact person:** Norbert Kraeuchi, Tel.: +41 44 739 25 95, [kraeuchi\[at\]wsl.ch](mailto:kraeuchi[at]wsl.ch)
- [Federal Office for the Environment \(FOEN\), Transport, Energy and Communication \(DETEC\)](#) (CH) **Contact person:** Luuk Dorren, Tel.: +41 31 32 410 24, [luuk.dorren\[at\]bafu.admin.ch](mailto:luuk.dorren[at]bafu.admin.ch)
- [Bavarian Forest Institute, Department Forest Management](#) (D) **Contact person:** Holger Griebß, Tel.: +49 8161 71 4837, [holger.griess\[at\]lwf.bayern.de](mailto:holger.griess[at]lwf.bayern.de)
- [National Research Institute on Science and Technology for Environment and Agriculture IRSTEA \(ex CEMAGREF\)](#) (F) **Contact person:** Frédéric Berger, Tel.: +33 4 7676 2800, [frederic.berger\[at\]irstea.fr](mailto:frederic.berger[at]irstea.fr)
- [French National Forest Service](#) (F) **Contact person:** Cedric Fermond, Tel.: +33 4 75 82 15 67, [cedric.fermond\[at\]onf.fr](mailto:cedric.fermond[at]onf.fr)
- [Catholic University of the Sacred Heart, Department of Mathematics and Physics](#) (I) **Contact person:** Giacomo Gerosa, Tel.: +39 030 2406719, [giacomo.gerosa\[at\]unicatt.it](mailto:giacomo.gerosa[at]unicatt.it)
- [Italian Ministry for the Environment, the Land and the Sea-Department for Environmental research and Development](#) (I) **Contact person:** Angelini Paolo, Tel.: +39 0657228154, [angelini.paolo\[at\]minambiente.it](mailto:angelini.paolo[at]minambiente.it)
- [Regional Agency for Development of Agriculture and Forestry \(RADAF\)](#) (I) **Contact person:** Enrico Calvo, Tel.: +39 0267404655, [enrico.calvo\[at\]ersaf.lombardia.it](mailto:enrico.calvo[at]ersaf.lombardia.it)
- [Regione Autonoma Valle d'Aosta - Direzione foreste e infrastrutture](#) (I) **Contact person:** Jean-Claude Haudemand, Tel.: +39 0135 775722, [j.haudemand\[at\]regione.vda.it](mailto:j.haudemand[at]regione.vda.it)
- [Slovenian Forestry Institute \(SFI\)](#) (SI) **Contact person:** Gal Kusar, Tel.: + 386 (0)1 200 78 36, [gal.kusar\[at\]gozdis.si](mailto:gal.kusar[at]gozdis.si)
- [Slovenia Forest Service](#) (SI) **Contact person:** Andrej Breznikar, Tel.: + 386 (0)1 470-00-50, [Andrej.Breznikar\[at\]zgs.gov.si](mailto:Andrej.Breznikar[at]zgs.gov.si)

Project summary

“With the climate change, the ecological conditions for forests in the Alpine Space are fundamentally changing – with unknown effects on the forests’ essential protective, ecological, economical and social functions. Under different climate and land-use change scenarios only an adaptive management can provide the conservation of the natural heritage and the multiple functions. MANFRED bridges the gap between research and practical forest management and seeks to

- collect knowledge with regard to climate change effects on 4 main topics: forest growth and land use changes, hazards & stressors, best practices to face extreme events protection forests;
- identify hot spots with concrete need for action on the regional & local level;
- develop management strategies able to adapt to changing environmental conditions;
- contribute to the implementation of suggested adapted management strategies in cooperation with political decision makers in 4 transnational case study regions.” Source: [Manfred project summary](#)

Hypotheses

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

Keywords (additional in italics)

- [climate change](#)
- [natural resource management](#)
- [prevention](#)
- [landscape management](#)
- [*forest management*](#)
- [*ecosystem services*](#)
- [*land use change*](#)

Topics

- [Enhancing and protecting natural resources and heritage](#)
- [Developing access to information and knowledge](#)
- [Limitation of natural disaster impacts](#)

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
Climate Change Dossiers	Analysis & Data	EN	Scientists, Civil servants / administration, Enterprises	Presentation of potential climate futures for the Alps and their range, climate change impacts on forests, value of European forests, forecasting storm damages in forests, Mapping the potential future ranges of tree species in the Alps
MANFRED Brochure	Public relation	EN	Wider public	Project description
Climate and Land Use Scenarios and silvicultural strategies 2020-2050-2080	Analysis & Data	EN	Decision makers, Civil servants / administration, Planners, Scientists, Specific institutions	Climate and land use scenarios and maps of the potential future distributions of certain tree species in the Alps
Alternative, adapted seed sources and Map of trans-alpine provenance regions	Analysis & Data	EN	Civil servants / administration, Planners, Scientists, Specific institutions	Handbook for the utilization of alternative seed provenances for future climate and transnational seed transfer
Pest Management Platform	Guidelines	EN	Civil servants / administration, Planners, Scientists, Specific institutions	Descriptions of pests
Census of forest extreme events	Tool, GIS Tool	EN	Civil servants / administration, Planners, Scientists, Specific institutions	A census has been carried out with the aim to identify, in the Alps, areas where forest extreme events occur: fire, biotic factors, abiotic factors. The webpage provides a web-GIS tool containing, at different levels of both geographic and thematic detail, the census results.
Extreme stress events in the Alpine forests: management experiences based on recent occurrences	Analysis & Data	EN	Civil servants / administration, Practitioners, Scientists	Review of the management experiences of scientists and practitioners with so called extreme events that occurred in the recent past across the Alpine region.
Protection Forests Engineering EN short FR short EN Long Part 1 EN Long Part 2	Best practice, Public relation	EN, FR	Civil servants / administration, Practitioners, Scientists	Videos on protection forests engineering

Output	Category	Language(s)	Target group	Remark
Adaptive Management: The 22nd Century Potential of Alpine Space Forests	Report	EN	Civil servants / administration, Practitioners, Scientists	Report on contemporary forest management.
Adaptive forest management strategies	Guidelines	EN	Civil servants / administration, Practitioners, Scientists	Guidelines for adaptive forest management.
MANFRED Training Courses	training	SI	Civil servants / administration, Practitioners, Scientists	Training in forest management, invitations and slides.

Outcomes and Impacts

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

<not yet available>

Synergies

- [Climate change](#)
- [Forest management](#)
- [GIS based tools](#)
- [Educational tool kit](#)
- [Reducing environmental damage and natural hazard risk prevention](#)

[climate change](#), [natural resource management](#), [risk management](#), [prevention](#), [EU project](#)

From:

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

Permanent link:

<http://www.wikialps.eu/doku.php?id=wiki:manfred>

Last update: **2017/03/23 14:21**

