GREEN RISK 4ALPS

EUSALP perspective on Forest-Based Solutions for INRM and CCA







Mountain Conference, 28-29th June 2021



EUSALP EU STRATEGY FOR THE ALPINE REGION













Plan

EUSALP perspective on Forest-Based Solutions for Integrated **Natural Risk Management and Climate Change Adaptation:**

- **EUSALP** vision for the Alpine Space
- **EUSALP French Presidency 2020-2021**
- **EUSALP Action Group 8 "Risk Governance"**
- FBS dissemination for INRM and CCA in the French Alps



EUSALP vision for the Alpine Space

The EU Strategy for the Alpine Region (EUSALP) is the fourth EU macro-regional strategy, adopted by the European Commission in 2015 and endorsed by the European Council in 2016. The Strategy covers a territory inhabited by 80 million people and includes 48 regions in seven countries (Austria, France, Germany, Italy, Slovenia, Liechtenstein and Switzerland).





EUSALP vision for the Alpine Space

Why a Strategy for the Alpine region?

- One of the economically most dynamic, innovative and competitive areas in Europe.
- Environmental, economic and social challenges requiring a common response.
- Important number of cooperation structures already operating in the area.
- Strong request from the regions.

EUSALP objective

 To improve territorial cooperation and multi-level governance to address these specificities and common challenges for a sustainable development of the Alpine areas.

EUSALP Objectives and Action Groups

AG 1: To develop an effective **research** and **innovation** ecosystem

AG 2: To increase the **economic potential of strategic sectors**

AG 3: To improve the adequacy of **labour market**, **education** and **training** in strategic sectors

AG 4: To promote inter-modality and interoperability in passenger and freight transport

AG 5: To **connect** people **electronically** and promote accessibility to public services

AG 6: To preserve and valorise **natural resources**, including water and cultural resources

AG 7: To develop **ecological connectivity** in the whole EUSALP territory

AG 8: To improve <u>risk management</u> and to better <u>manage climate change</u>, including major natural risks prevention

AG 9: To make the territory a model region for energy efficiency and renewable energy

Thematic policy area / objective 1:
Economic Growth & Innovation

Thematic policy area / objective 2: **Mobility & Connectivity**

Thematic policy area / objective 3:
Environment & Energy

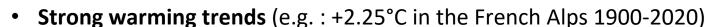
Cross-cutting policy area 4: **Governance**





Climate Change and Alpine Forest 🌞



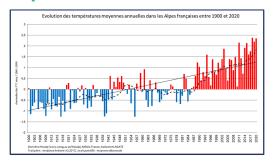




- Very important observed and expected impacts in the Alpine Region
- More heat waves, intense precipitations, forest fires, storms, pests, landslides... \rightarrow an increasing pressure on mountain forest ecosystemic services and protective function



Alpine forest is a cross-cutting issue for EUSALP











Task Force "Multifunctionnal Forests and Sustainable use of Timber"

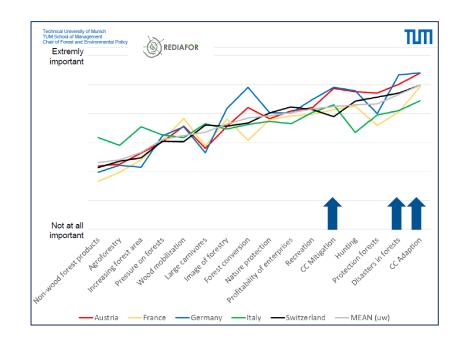


Cross-sectoral Working Group:

 AG2 (wood economy), AG6 (natural resources), AG7 (green infrastructure), AG8 (risks and climate) and AG9 (energy)

Goals:

- To raise awareness of CC and to promote an integrated and sustainable forest management
- To reinforce dialogue and enhance horizontal cooperation in the Alpine Region → ARPAF-2 project REDIAFOR (2019-2021) on Multifunctional Forests in the Alps









AG8 Mission

Sustainable and effective protection from natural hazards is an essential predisposition for settling, as well as, socio-economic development in the Alps. Limited settlement space and climate change lead to increasing exposure and damage risk of private property and infrastructure in the Alps.



The interests of economic development, social welfare, mobility and tourism need to balance risk reduction and safety management. This requires **new risk governance instruments and processes** with a view to find the optimal approach for multiple land use demands.







AG8 Objectives

Therefore AG8 aims at to improve governance mechanisms in the fields of **NHM and CCA**, including the interface of these two fields:

- Stocktaking of relevant actors and interests, mapping and enhancing governance structures and processes in the policy fields of risk/hazard management and CCA.
- Improving risk and adaptation governance mechanisms in the EUSALP region by enhancing, valorizing and leveraging the existing cooperation structures.
- Identification of good practice solutions in tackling challenges in natural hazard and climate change adaptation policy.
- Promoting, developing and implementing local, regional and international pilot projects and programs based on strategic priorities, and exploring funding opportunities on both EU as well as national/regional/private levels.



AG8 Main Results

Alpine Space GREEN RISK 4 ALPS

Reports & Policy papers:

- "Beyond the expected Dealing with cases of overload and the residual risk of natural hazards in the Alpine region" (2018)
- "Dealing with Disaster Risk: The risk governance approach A status quo analysis" (2019)
- "Mainstreaming CCA and DRR in the Alpine Macro-Region" (2019)
- "Forest Fires in the Alps State of knowledge and further challenges" (2019)

Tools:

- "Climate Adaptation Platform for the Alps CAPA": www.capa-eusalp.eu
- "Natural hazard check for municipalities" (local hazards audit tool)

International conferences:

- "Forest Summit: Protective.Forest.Climate", Innsbruck (Oct. 2017)
- "Cooperation in Natural Hazard Management", European Forum Alpbach (Aug. 2018)
- "Protective functions of forests in a changing climate" with the FAO, Innsbruck (Oct. 2019)
- "Mountain Forests and Climate Change", Aix-les-Bains (3th 4th Sept. 2020)
- "Climate-Risks-Energy", Chamonix (30th Sept. 1st Oct. 2020)









AG8 Work Plan 2020-2022

- 1. Implement a shared risk governance policy regarding alpine natural hazards, based on the results of a survey on risk governance mechanisms.
- 2. Pave the ground for shared CCA governance policies, including stocktaking, mapping and comparing adaptation governance systems as well as surveying the status of horizontal integration of climate change adaptation in priority sector policies to enhance policy mainstreaming in the Alpine region. → Study on Climate-Resilience in Spatial Planning (in cross-sectorial cooperation with other AGs)
- 3. Advancing and maintaining the Climate Adaptation Platform for the Alps (CAPA) and integrating crosscutting knowledge about thematic interfaces of CCA and NHM.
- **4. Strengthen communication and awareness raising** activities for NH, CCA in the Alpine region and related risks. → *Study on Natural Hazard Communication Tools, development of a state- of-the-art Natural Hazard Model and EUSALP Road Show exhibition*
- 5. Collaborate on embedding the EUSALP and AG8 priorities in potential funding schemes to pave the ground for shared governance policies in the context of INRM and CCA.







AG8 and Alpine forest

- The work has shown the essential role of Alpine forests as a nature-based prevention measure for the protection of property and infrastructure, but also the vulnerability of protection forests to the impacts of climate change. An integrated and sustainable **approach** is needed to adapt and preserve this ecosystem service in the coming decades.
- On the issue of **protection forests**, the AG8 has organized 3 international conferences and cooperates closely with other international networks (EFC-WPMMW, PLANALP...).
- It capitalizes and disseminates **knowledge and good practices** of risk governance, risk communication and integrated natural risk management (INRM), in particular for the diagnosis and management of protection forests (ROCKtheALPS, GreenRisk4ALPS).
- It develops an innovative approach to "climate resilient territorial planning".



"Working together for a sustainable alpine region"



French Presidency 2020-2021

PARIS

Co-Presidency French State

and 3 Regions:

FRENCH PRESIDENCY OF THE EUROPEAN

UNION STRATEGY FOR

THE ALPINE REGION



AGENCE NATIONALE DE LA COHÉSION **DES TERRITOIRES**

REGION BOURGOGNE FRANCHE COMTE













LJUBLJANA Link with **AlpConv:**



posting the ecological ansition of the Alnine region

TOGETHER FOR A GREENER

ALPINE REGION



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ROMA

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VADUZ

BERN





French Presidency Thematic Priorities

6 complementary Thematic Priorities + 1 transversal Priority on Governance

Conserve biodiversity and prevent natural risks

Speeding up the energy transition of the alpine region

Develop sustainable transport

Develop year-round sustainable tourism

Promote the consumption of locally-sourced mountain products

Encourage young people to participate in sustainable development of the Alps

Make the Alpine region a model laboratory for multi-level governance





French Presidency Thematic Priorities

Priority 1

Conserve biodiversity and prevent natural risks

Leading players: THE PROVENCE-ALPES-CÔTE-D'AZUR REGION AND THE STATE

- Developing activities to mitigate the impact of climate change and anticipating its effects
- Preventing natural hazards in order to protect the population and encouraging economic development by creating suitable governance tools.

Proposed focuses:

- Promote the uses of mountain forests and sustainable forestry to preserve biodiversity and prevent risks.
- Establish a network of territories involved in integrated natural risk management approach



Manifesto for a sustainable and resilient Alpine region adopted in June 2020 under the French Presidency



The Manifesto expresses the **priorities of the States and Regions for the coming years in the Alpine region**; priorities that the next financial programmes of the European Union as well as the next State-Regions contractualisations should try **to integrate and co-finance**:

- Commit to balancing environmental protection and economic development despite the context of the health crisis marked by the Covid19;
- Accelerate the implementation of the UN Agenda 2030 for Sustainable Development and the Paris Agreement;
- Preserve Alpine biodiversity and prevent exposure to natural risks linked to climate change;
- Accelerate the energy transition in the Alpine region;
- Develop sustainable transport and mobility solutions;
- Stimulate the transition towards sustainable year-round tourism;
- Stimulate the production, processing and consumption of local mountain products from the Alpine region in short circuits:
- Educating young people in mountain culture and enabling them to participate in the sustainable development of the Alpine region;
- Make the Alpine region a model laboratory for multi-level governance.

These priorities were translated into **recommendations** formulated at a meeting of the Managing Authorities.



Manifesto for a sustainable and resilient Alpine region adopted in June 2020 under the French Presidency



Priority "Preserving Alpine biodiversity and preventing exposure to natural risks related to climate change"

Focus on:

- e. Territories to adopt integrated and regionally coordinated natural risk management mechanisms that give priority to nature-based solutions where possible;
- f. Taking into account and close monitoring of climate change and the increase in risks in regional planning;
- g. The promotion of **sustainable forest management**, the only one capable of ensuring all the **multiple functions of forests** to mountain and lowland populations, from economy to biodiversity to risk reduction.



Project of an operational contribution:



Forests and Multifunctionality: nature-based solutions as tools for the resilience of alpine territories

- Nature Based Solution (NBS) as an operational solution to meet the global challenges of preserving biodiversity and maintaining the Multifunctionality of alpine forests, in the service of territorial resilience (face to climate change).
- Capitalize on outputs generated by the Alpine Convention, by the EUSALP activities and cooperation project
- To push a real **integrated management of the forest and its Multifunctionality** in the territories to increase their resilience.

Governance:

- Consolidate the Task Force
- Specify in the AGs how to better promote forests and Multifunctionality,
- To support a follow-up to the REDIAFOR project, and more project about alpine forest Multifunctionality.

Finance:

 Real Transcription of Forest Multifonctionality issues in Next Programming Period 2021-2027

Concrete implementation of dedicated projects through experimentations:

- Capitalization on more integrated risk management (AlpGov 2)
- Protection Forests as real NBS

NBS dissemination networks in the French Alps



Pôle Alpin Risques Naturels (PARN)

Annecy

Gap

Chambery

Digne-les-bains

Alpine Center for Natural Hazards and Risks Prevention

Integrated Natural Risk Management (INRM):

a toolbox for Disaster Risk Reduction (DRR)

and Climate Change Adaptation (CCA)



Alpine Network of INRM Territories:

https://risknat.org/girn-inrm-alps/?lang=en





1. CC Vallée de Thônes

2. CC Vallée de Chamonix Mont-Blanc

3. Arlysère

4. Bourg-Saint-Maurice

5. Grenoble-Alpes Métropole

6. Syndicat des Pays de Maurienne

7. PETR Briançonnais, Ecrins, Guillestrois, Queyras

8. PNR du Queyras

9. SMIGIBA (Buëch)

10. PNR Baronnies Provencales

11. CC Ubaye Serre-Ponçon

12. CC Alpes Provence Verdon

13. CC Alpes d'Azur

14. SMIAGE (Alpes Maritimes)















Research-action projects co-construction & Network animation:



Science-Decision-Action INRM Alpine Network

- Research-action projects co-built with stakeholders to support INRM strategies at local level in Alpine territories → New knowledge, methods and tools
- Multi-stakeholders workshops on specific subjects, bringing together elected officials, scientists and technicians → Local risk dialogue











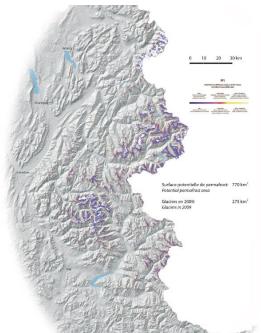




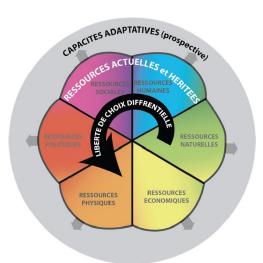




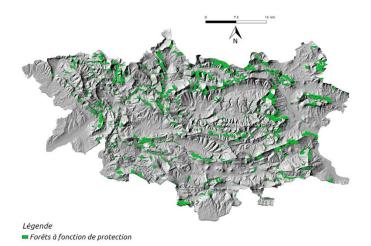
How Scientists support Local NH Managers?



Permafrost Map of the French Alps – PermaRisk project



Resilience Index – CO-RESTART project



Protective Forest Mapping in Baronnies Provençales Regional Natural Park — VERTICAL project (RockTheAlps Methodology)

Another network for NBS dissemination in the French Alps



Union of Forest Communities (COFOR)







Alpine Network of Mountain Forest programme 2014-2020

http://www.alpesboisforet.eu/

European Territorial Cooperation projects on NBS



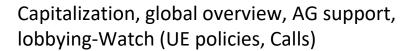








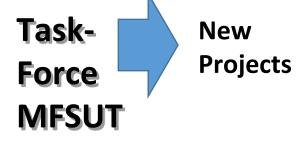


















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Waiting for new projects to develop and disseminate knowledge, tools and best practices in the field of

Forest-Based Solutions for INRM and CCA

GreenRisk4ALPs Mountain Conference, 28-29 June 2021

EUSALP perspective on Forest-Based Solutions for INRM and CCA

Interreg Alpine Space





European Regional Development Fund

Thank you for your attention!



