

GREEN RISK 4 ALPS

French Presidency EUSALP 2020
& D.T 5.1.1 Report 'Policy needs'

Interreg 
Alpine Space

 **GREEN RISK 4 ALPS**

Midterm Conference, 9 June 2020



EUSALP EU STRATEGY FOR THE ALPINE REGION



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PARN



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Alpine Center for Natural Hazards and Risks Prevention



Plan

- **EUSALP Action Group 8 and EUSALP French Presidency 2020 objectives and programme**
- **INRM and CCA in the French Alps**
- **GR4A Deliverable D.T 5.1.1: Report 'Policy needs for a sustainable strategy for ecosystem-based risk-management'**





EUSALP Action Group 8 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 **improving risk management and better managing climate change in the Alpine Region** by pursuing the following objectives:

- Stocktaking of relevant actors and interests, mapping and enhancing governance structures and processes in the policy fields of risk/hazard management and climate change adaptation.
- 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 Related projects

Alpine Space projects supporting AG8 objectives and activities:

- AlpES
- AlpGov 1 & 2
- ALPTREES
- CHEERS
- GoApply
- **GreenRisk4Alps**
- HYMOCARES
- Links4Soils
- RockTheAlps
- ...

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AG8 Main Results

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:

- The “Climate Adaptation Platform for the Alps - CAPA”: www.capa-eusalp.eu





AG8 Conferences



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)
- “Climate-Risks-Energy”, Chamonix (30th Sept. and 1st Oct. 2020)





AG8 Current tasks

Ongoing activities (last AG8 virtual meeting, 29th May):

- White Paper – Forest Fires in the Alps: Panel discussion 5/5 delayed until autumn 2020
- Activities “Natural hazard check for municipalities” (local hazards audit tool)
- Update and mainstreaming the CAPA platform
- New working thematic: Climate change risks and spatial planning
- Strategic Briefing (AlpGov II): workplan for implementation of the EUSALP MRS
- Embedding EUSALP MRS into funding programs → Network of Managing Authorities

Future activities (2020-2022):

- Study on physical natural hazards models: compilation study and construction of an up-to-date prototype (hydrological natural hazards)
- EUSALP Road Show: 3 stops in EUSALP Annual Fora + 6 other stops: 1 stop per country, to reach schools/children and the general public





Task Force “Multifunctional 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)
- The goal is to raise awareness of CC and the role of forests
- ARPAF-2 project REDIAFOR (2019-2021) on Multifunctional Forests in the Alps: to reinforce dialogue and enhance horizontal cooperation
- Currently this Task Force is dormant (need for a leader)
- No information on the future steps





EUSALP French Presidency 2020



TOGETHER FOR A GREENER
ALPINE REGION



Boosting the ecological
transition of the Alpine region
to tackle climate change

“Working together for a
sustainable alpine region”

<https://www.alpine-region.eu/french-presidency-2020>





EUSALP French Presidency 2020

Co-Presidency
State/Regions:

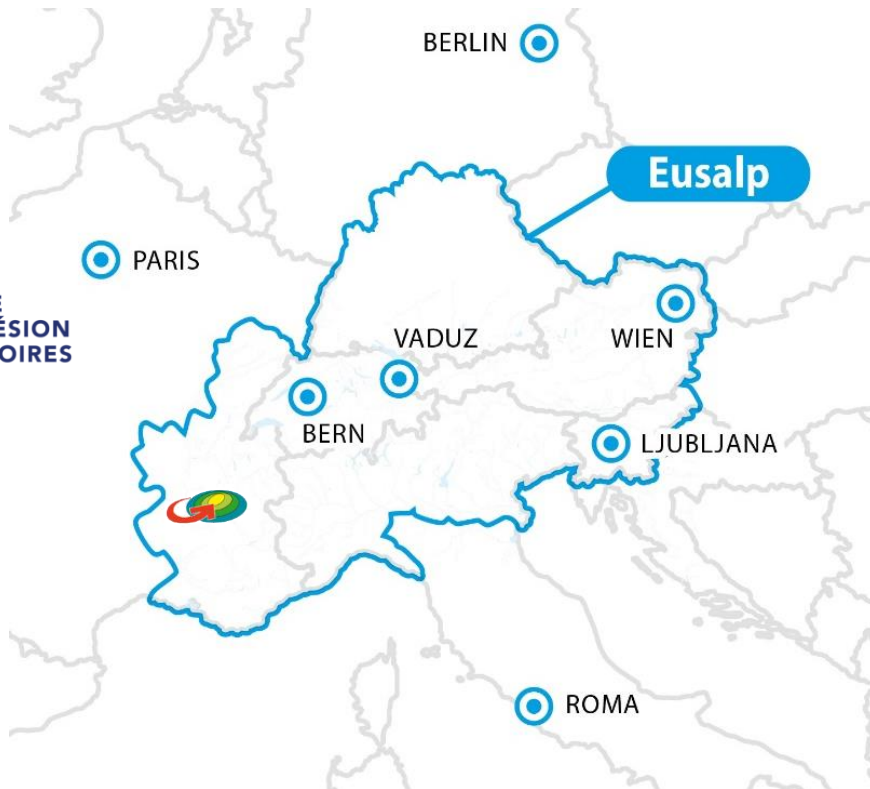


MINISTÈRE
DE LA COHÉSION
DES TERRITOIRES
ET DES RELATIONS
AVEC LES
COLLECTIVITÉS
TERRITORIALES

AGENCE
NATIONALE
DE LA COHÉSION
DES TERRITOIRES

RÉGION
BOURGOGNE
FRANCHE
COMTE

La Région
Auvergne-Rhône-Alpes



Link with
the EC:



Link with
AlpConv:



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EUSALP French Presidency 2020



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Involved Participants (Metropoles, Départements, Associations, EUSALP AG)



GRENÔBLE • ALPES
MÉTROPOLITAINE

MÉTROPOLÉ
NICE CÔTE D'AZUR



SAVOIE
LE DÉPARTEMENT



isère
LE DÉPARTEMENT



DÉPARTEMENT
DES ALPES-MARITIMES



haute
savoie
le Département



ALPES DE HAUTE
PROVENCE
LE DÉPARTEMENT



Hautes-Alpes
le département



CIPRA
France



ADRETS



alparc
Ensemble pour les Alpes



VILLE
DES ALPES de
L'ANNÉE



Alliance dans les Alpes
Le Réseau de communes



EUSALP
EU STRATEGY FOR
THE ALPINE REGION

AG co-
leaders &
members





French Presidency General Philosophy

A prefiguring presidency

Post-2020 transition

A cohesive presidency

Cooperation between cities, valleys and mountains

A presidency for youth

Participation of alpine youths

A partnership presidency

Involving as many stakeholders as possible

A pragmatic and coordinating presidency

Articulation with other Alpine cooperation

An operational and concrete presidency

Identification of actions and results

A rewarding presidency

EUSALP results and territorial actions





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**





Conserve biodiversity and prevent natural risks (Priority 1)

Actions

- **Adopt a political declaration** of the States and Regions of the Alpine Region, including:
 - decides to experiment with governance mechanisms for the coordination of ecological corridors
 - **promotes the uses of mountain forests** and sustainable forestry to preserve biodiversity and **prevent risks**
- **Establish a network of territories involved in an integrated natural risk management approach**

Event

- The kick-off meeting of the LUIGI project on ecological continuities between urban and rural areas in Grenoble in April (delayed)
- A special event **promoting the different uses of mountain forests** [*including risk prevention*] and **sustainable forestry** in the Chartreuse Massif on 3-4 Sept.
- A **specific event on climate change and natural risk management** in Chamonix on 30 Sept.
- An event on alpine biodiversity on the sidelines of the IUCN World Congress in Marseille in January 2021



INRM and CCA in the French Alps



Interregional level (AuRA & PACA Regions)

- **TAGIRNs** network: Alpine Territories of Integrated Natural Risk Management
- **Science-Decision-Action** network: research-action projects and transversal workshops (scientists, practitioners and politics)
- **Alps-Climate-Risk Platform**

Cross-Border level: Interreg Alcotra

- Alpine Prevention and Crisis management Actors Network: **RiskNET**
→ **PITEM RISK** project



INTEGRATED NATURAL RISK MANAGEMENT in Alpine Territories

Toolbox for Mainstreaming
Disaster Risk Reduction (DRR) and
Climate Change Adaptation (CCA)



Goals:

- Implement local strategies to reduce vulnerabilities and enhance territorial resilience
- Share good practices and feedbacks from experience



Integrated Natural Risk Management

Prevention

Raising public awareness,
preventive information
and development of risk
culture and risk memory
Anticipation and preparation
for event management

Feedback from experience

Capitalisation of experience
and analysis of strengths and
weakness of crisis management



Event management

Early warning systems
Coherent and coordinated
actions between all actors
and stakeholders in crisis
management

Recovery

Implementation of actions allowing
to come back to an acceptable
situation as soon as possible
(example: road reopening)



Network of Involved Territories in the French Alps since 2009



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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 Provençales



11. CC Ubaye Serre-Ponçon



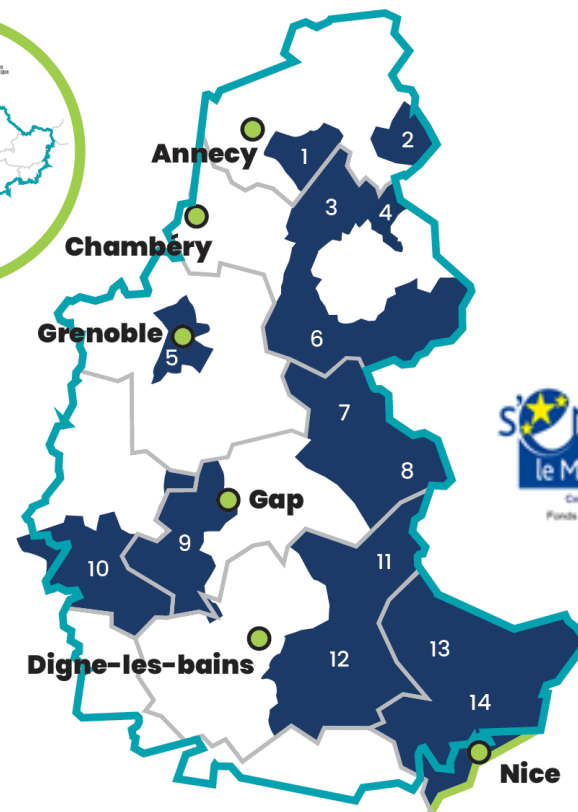
12. CC Alpes Provence Verdon



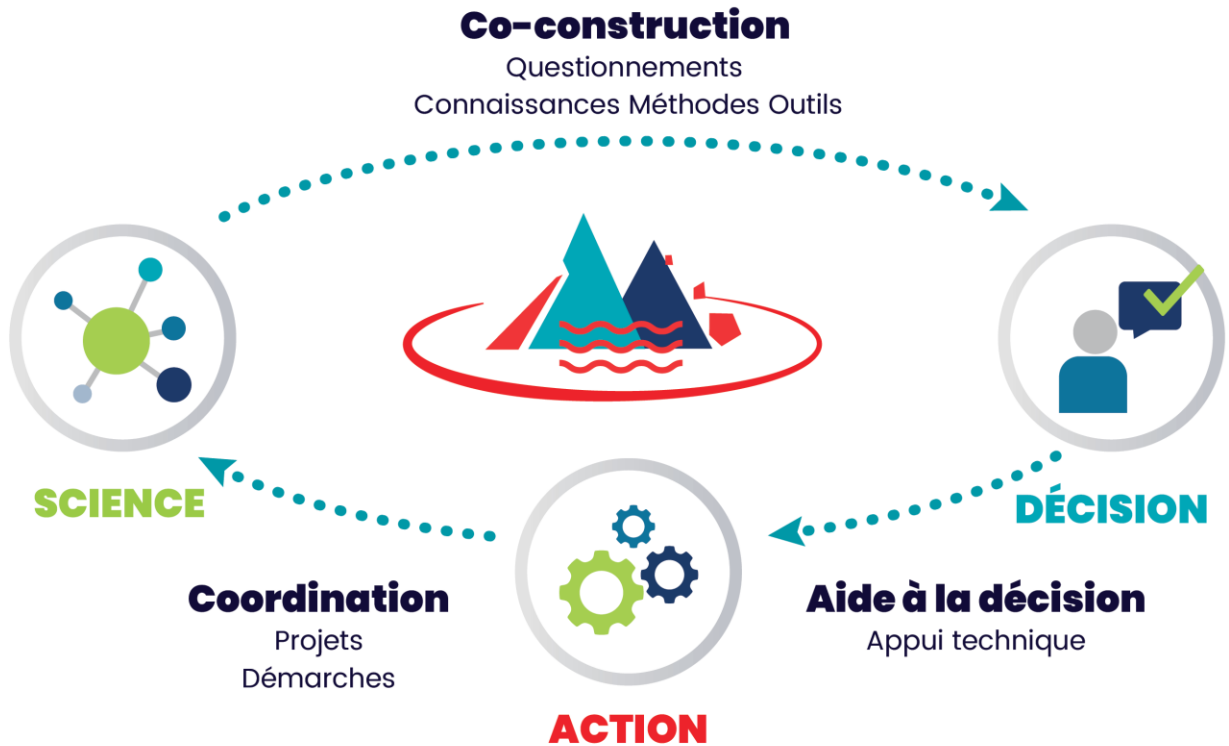
13. CC Alpes d'Azur



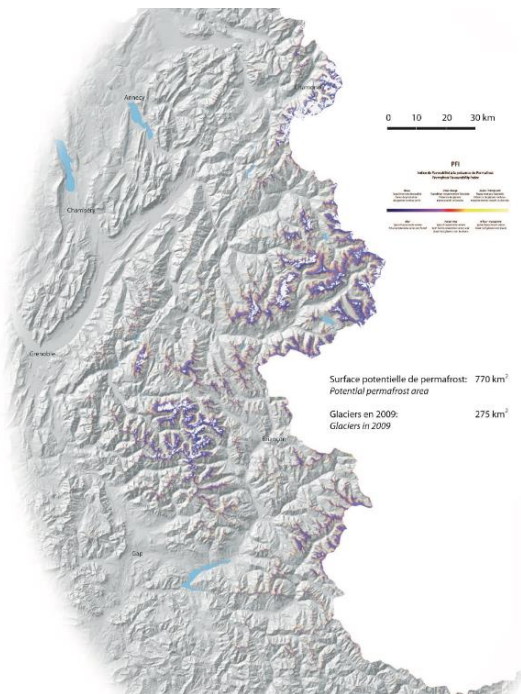
14. SMIAGE (Alpes Maritimes)



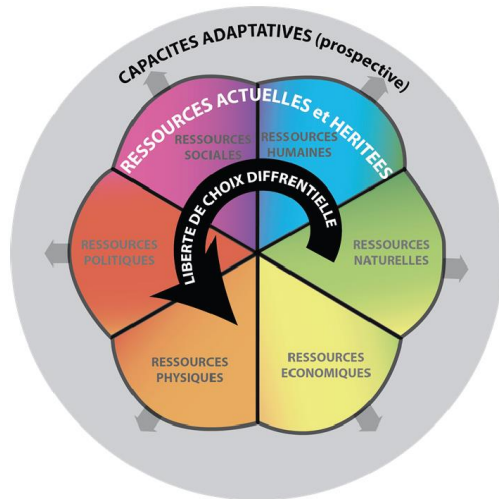
Science-Decision-Action INRM Alpine Network



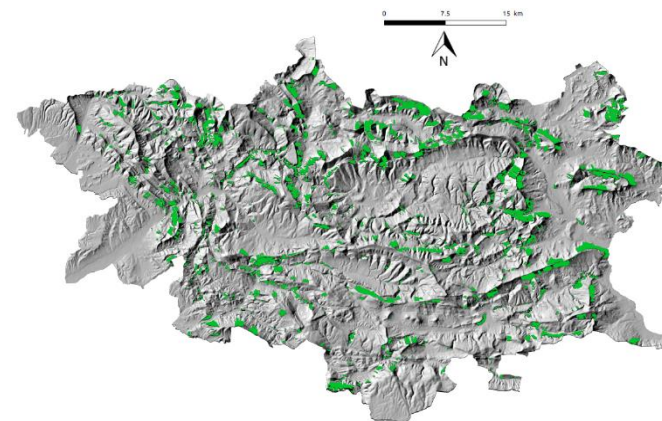
How Scientists support Local NH Managers?



Permafrost Map of the French Alps – PermaRisk project



Resilience Index – CORESTART project



Légende
■ Forêts à fonction de protection

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



PLATEFORME ALPINE SUR LE CLIMAT ET LES RISQUES

pour l'adaptation et la résilience des territoires



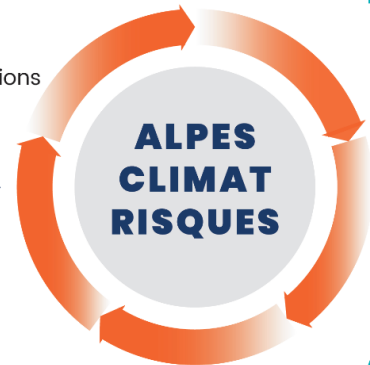
Centre de ressources / Portail web

- Bibliographie (base de données études et recherches)
- Lettre d'information ACR
- Publications et communications



Animation de démarches partenariales / participatives

(ex : projet #montagnessentinelles)



Suivi des événements naturels et impacts du changement climatique

- Consultation du réseau d'experts opérationnels (remontée terrain)
- Fiches événements
- Rapport annuel événements remarquables



Réseau d'experts alpin sur le climat



Appui aux politiques publiques d'adaptation

Accompagnement des collectivités dans l'élaboration des documents de planification territoriale (ex : SRADDET, plans climats, PLUI / OAP, etc.)



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Alps-Climate-Risk Platform



INRM in the French Alps



A new frame of reference for specific place-based approach:

- Global and multi-risk: crisis prevention and management
- Local scale covering multi-communal living areas
- Co-construction of innovative tools adapted to Alpine context
- Mobilization of scientists through research-action projects
- Improving local risk governance

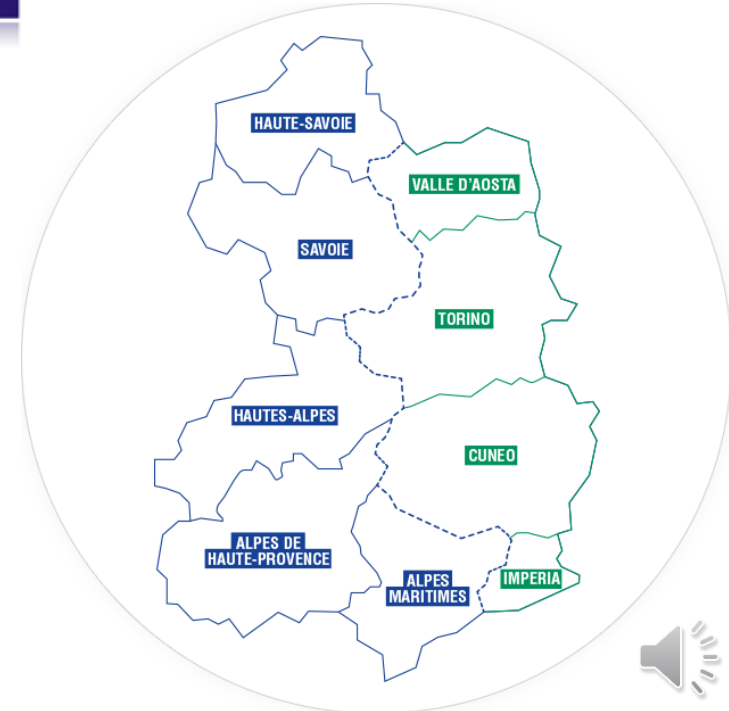


NHM Cross-border Network



Structuration projects:

- **PRINAT (2003-2007)**
 - Network building
- **RiskNat (2009-2012)**
 - Strategic project & simple projects
- **RiskNET (2013-2015)**
 - Network
- **PITEM RISK (2019-2022)**
 - Network extension (prevention & crisis management)



D.T 5.1.1 Report

D.T 5.1.1 Report '**Policy needs for a sustainable strategy for ecosystem-based risk-management**'

Dec 31 Benjamin Einhorn

D.T 5.1.2 Report '**Conclusions from the regional dialog event: saving the Alpine future**' Dec 31 Jean-Pierre Fosson

D.T 5.2.1 Report '**Survey/comparison of national barriers for application of ecosystem-based natural hazard risk mitigation**' Dec 31 Fred Berger

D.T 5.3.1 Report '**New Recommendation for governance of protection forests and ecosystem-based risk mitigation**' Apr 16, 2021 Roland Schreiber & Anne Stöger

D.T 5.4.1 '**Workbooks on risk oriented protection forest management**' Jan 31, 2021 Karl Kleemayr & Michaela Teich

D.T 5.4.3 Report '**Best practice examples of ecosystem-based risk management implementation in the GR4A PAR**' Jan 31, 2021 Jurij Begus



D.T 5.1.1 Report

- We need to define:
 - the objectives: to identify gaps and needs (in each country?) to better take into account Nature-Based Solutions in NHM and DRR + to identify best regulatory and technical elements that could be useful to transfer in other countries?
 - the scope: from local to macro-regional level
 - who participates in writing the report
 - retro-planning and the agenda
 - a date for a dedicated meeting?



Some ideas (Torino Meeting)

- To manage alpine territories and natural risks in a sustainable way, we need to consider the **3 pillars of sustainable development** (environmental, social and economic).
- We also need to take into account and **to adapt to the specificities of the Alpine Region**: multi-hazards/multirisk context, rapid climatic and environmental changes, specific vulnerabilities due to the relief, important stabilisation and protective functions of the forest, etc.
- We need a more **integrated natural risk management (INRM)** including mountain forests, soils, water/rivers and urban planning at the scale of living spaces / territories taken into account related ecosystemic services (including their economic evaluation).



Some ideas (Torino Meeting)

- To achieve this goal, we need **to enhance risk governance**, hence to involve all the relevant stakeholders (including the land owners and local population): *Cf. EUSALP AG8 / AlpGov “Governance Report” and Policy brief on risk governance.*
- To manage alpine ecosystems in an integrated way, we need to take into account their **multifunctional uses**, that require prioritization and criteria for decision arbitration: *Cf. EUSALP Task Force “Multifunctional Forests and Sustainable Use of Timber”.*
- We need also to work on **integrated forest fires management**, e.g. with forest tracks management and cooperation with the emergency services: *Cf. EUSALP AG8 Forest Fires study and panel discussion.*



Some ideas (Torino Meeting)



These new approaches will make it possible to work on a whole range of natural, technical and organisational solutions, and optimise their combination to better face adverse effects of climate change.

Examples:

- In the French Alps, the Forest Law allows to take forest into account in risk prevention plans, but it is not done. We need new approaches (like mixed structures civil and vegetal engineering), new tools, guidelines (forestry guides) and financial support
- In the Austrian Alps forest fires is a relatively new phenomenon and there is a need of knowledge-based approaches. It is possible to benefit from the learning of more experienced states like France and Italy



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EUROPEAN UNION



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European Regional Development Fund

Thank you for your attention

