

---

# Stocktaking Update

## 2024

---

***An information source for further developing the activities  
of the Alpine Climate Board***



**Alpine Climate Board of the Alpine Convention**

*Mandate 2023-2024*



ALPENKONVENTION  
CONVENTION ALPINE  
ALPSKA KONVENCIJA  
CONVENZIONE DELLE ALPI

## IMPRINT

This report is the result of the Alpine Climate Board's mandate, chaired by Austria and was elaborated by Helen Lückge (Climonomics) with inputs from the members.

The members of the Board were:

**Chairs:** Helmut Hojesky & Katharina Zwettler (*Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie* – Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology)

**Supported by:** Helen Lückge (*Climonomics*)

### Contracting Parties:

- **Austria:** Ewald Galle, Cornelia Jäger (*Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie* – Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology), Jakob Egg (*Land Tirol* – Federal Province of Tyrol), Jochen Bürgel, Wolfgang Lexer (*Umweltbundesamt Österreich* – Environment Agency Austria)
- **France:** Jérôme Duvernoy, Alix Menahem, Frédéric Schafferer (*Ministère de la Transition écologique et de la Cohésion des territoires* – Ministry of Ecological Transition and Territorial Cohesion)
- **Germany:** Mathias Ulrich (*Umweltbundesamt Deutschland UBA* – German Environment Agency UBA), K23 unit (*Bayerische Staatsministerium für Umwelt und Verbraucherschutz* – Bavarian State Ministry of the Environment and Consumer Protection)
- **Italy:** Luca Cetara, Elisa Ravazzoli, Marc Zebisch (*EURAC Research*), Antonio Ballarin Denti (*Fondazione Lombardia per l'Ambiente* – Lombardy Foundation for the Environment)
- **Liechtenstein:** Karin Jehle, Sarah Weber (*Amt für Umwelt* – Office of Environment)
- **Monaco:** Astrid Claudel-Rusin (*Direction de l'Environnement* – Environment Directorate)
- **Slovenia:** Zala Strojín Božič, Lara Vrtovec (*Ministrstvo za okolje, podnebje in energijo* – Ministry of the Environment, Climate and Energy), Maja Dovžak (*Ministrstvo za kmetijstvo, gozdarstvo in prehrano* – Ministry of Agriculture, Forestry and Food)
- **Switzerland:** Silvia Jost (*Bundesamt für Raumentwicklung ARE* – Federal Office for Spatial Development ARE)

### Observers:

- **Alliance in the Alps:** Maya Simon
- **ALPARC:** Michelle Geringer
- **Alpine Space Programme:** Nuno Madeira
- **Alpine Town of the Year:** Magdalena Holzer

- **CIPRA International:** Jakob Dietachmair, Wolfgang Pfefferkorn, Kaspar Schuler
- **Club Arc Alpin:** Tobias Hipp
- **Euromontana:** Marie Laurent
- **EUSALP AG9:** Benjamin Auer, Maren Meyer, Étienne Viénot
- **ISCAR:** Stefanie Gubler, Christian Rohr
- **UNEP:** Harald Egerer, Matthias Jurek, Ansgar Fellendorf, Sabine McCallum
- **WWF:** Ann-Kristin Winkler

**Permanent Secretariat of the Alpine Convention:** Nathalie Morelle

**Cover photo:** Vera Bornemann

 Federal Ministry  
Republic of Austria  
Climate Action, Environment,  
Energy, Mobility,  
Innovation and Technology

 Climonomics

Permanent Secretariat of the Alpine Convention, October 2024

Herzog-Friedrich-Straße 15  
6020 Innsbruck  
Austria

Operational branch office  
Viale Druso/Drususallee 1  
39100 Bolzano/Bozen  
Italy

[info@alpconv.org](mailto:info@alpconv.org)

[www.alpineclimate2050.org](http://www.alpineclimate2050.org)

Contents

---

Executive Summary: The 2024 Stocktaking Update at a glance.....

1. Background: The stocktaking as information source for the ACB ..... 1

    Role of the stocktaking over the years: from common starting point to information base.... 1

    2024 Stocktaking Update: Insights on cross-sectoral activities and basis for monitoring.... 1

    Objectives and structure of this report..... 1

2. Overview on the inputs to the 2024 stocktaking update..... 3

3. Indicator-based analysis of feedback – 2024 stocktaking and comparison to the previous stocktaking exercises ..... 7

    3.1 Type of activity and relevance for climate change..... 7

    3.2 Relevance for climate neutral and climate resilient Alps: mitigation or adaptation focus9

    3.3 Relevance for different sectors of the Alpine Climate Target System ..... 10

4. Relevance for cross-sectoral hotspots..... 14

    4.1 Cross-sectoral hotspot “Energy transition” ..... 15

    4.2 Cross-sectoral hotspot “Lifestyles” ..... 16

    4.3 Cross-sectoral hotspot “Nature-based solutions”..... 17

ANNEX 1: Overview table on reported activities – main information..... 18

## Executive Summary: The 2024 Stocktaking Update at a glance

---

### **Background: The role of the stocktaking for the Alpine Climate Board**

The Alpine Climate Board (ACB) has become the central platform at Alpine level to bundle climate-related activities. With the Climate Action Plan 2.0 (CAP 2.0), the ACB has provided a broad pool of ideas for implementing specific sectoral activities that contribute to its vision of climate-neutral and climate-resilient Alps. The ACB itself is not an implementation body but rather aims at facilitating and supporting implementation activities of relevant stakeholders and multipliers in the Alps. To design relevant support activities, the ACB depends on a comprehensive overview on ongoing climate change mitigation and adaptation activities at transnational but also national level. A regular stocktaking thus has become an important building block for the activities of the ACB – building on the initial stocktaking in 2017. This 2024 update adds 73 new activities to the existing 171 stocktaking entries (2017, 2019, 2021-2022) and provides insights to the new cross-sectoral hotspots, which were developed under the 2023-2024 mandate of the ACB.

### **Main fields of action: which sectors see a high level of activity?**

Again, the 2024 stocktaking update covers activities related to all sectors of the Alpine Climate Target System 2050 and the CAP 2.0. Nearly one fifth of the reported activities have a cross-cutting focus, thus impacting multiple sectors. These include general awareness raising, exchange and educational programmes, e.g. implemented by the Observer organisations CIPRA or Alpine Town of the Year. The three sectors transport, energy and tourism with close interlinkages each cover about 10-12% of the reported activities, reflecting the ambitions of the ACB itself (cross-sectoral hotspot “Energy transition”), the activities of the Working Group Transport of the Alpine Convention with many related activities as well as a broad range of tourism related projects of the Observer organisations but also including new projects under the Alpine Space Programme. As in the previous stocktaking update, the sector of natural hazards is also well covered in the stocktaking, and includes EUSALP activities. On the other hand, the “green” sectors water, soil, mountain agriculture and mountain forestry were no major focus in the stocktaking update, each of these sectors only received 2-3 inputs. For the sector Municipal Action, quite a high number of inputs were reported – this being due to the comprehensive feedback from the Alpine Town of the Year Association, which had not taken part in the previous stocktaking exercises.

### **Link to cross-sectoral hotspots of the ACB mandate and the pathways**

Under its 2023-2024 mandate, the ACB went beyond the sectoral focus and looked more closely at the interfaces between the sectors to support synergies and avoid blind spots. Three cross-sectoral hotspots were identified: energy transition, lifestyles and nature-based solutions. The 2024 stocktaking update provides interesting insights to these cross-sectoral hotspots and, in general, confirms their relevance. Only 25% of all reported activities do not have a link to any of the three cross-sectoral hotspots. The largest link is visible to the hotspot

of “lifestyles” with 23 activities providing a contribution. Here, activities of the ACB itself but especially of some of the Observer organisations with broad awareness raising, capacity building and educational activities play an important role. Many activities in this cross-sectoral hotspot have their starting point in the tourism sector but clearly go beyond the sectoral scope. 13 reported activities are linked to the cross-sectoral hotspot “nature-based solutions”, especially as many new projects under the Interreg Alpine Space Programme contribute to this aspect. The energy hotspot has a direct link to the energy sector of the CAP 2.0 and all 10 activities reported for the energy sector also relate to the energy hotspot.

As in the previous stocktaking update in 2021-2022, the direct link of stocktaking inputs to the implementation pathways is mostly difficult to assess. Only few measures are directly dedicated to the implementation of the CAP 2.0 (e.g. activities of the Thematic Working Bodies of the Alpine Convention on Spatial Planning and Soil Protection). Most activities contribute in a more indirect way as they support the general objectives and rationales of the CAP 2.0. In this respect, a more detailed monitoring would be necessary as basis for further developing and implementing the CAP 2.0 and its implementation pathways.

### **Main fields of activity: types of activity and balance between mitigation and adaptation**

The stocktaking also takes a look at which types of activity were taken forward at transnational and national level: projects, publications, planning or implementation measures, events, online tools and others. Similar to the initial stocktaking in 2017-2019 and the 2021-2022 update, the 2024 update covers all types of activities in a quite balanced manner. As positive outcome, it is interesting to note the rising importance of implementation measures: the share of implementation measures has increased compared to the previous stocktaking update for both mitigation and adaptation. When looking at the section “publication”, again the policy-oriented publications play the strongest role, thus also contributing to the implementation focus. This is, of course, a promising development as these implementation-oriented activities can support the activities of the ACB to implement the CAP 2.0.

Looking at the relevance of activities for climate change mitigation and/or adaptation, the 2017-2019 stocktaking displayed a balanced picture between mitigation and adaptation activities. The 2021-2022 update reflected a slight shift to a stronger adaptation focus, which was due to specific input from active members of the ACB with a strong adaptation focus. In 2024, the overall picture is more balanced again, even with a slightly stronger focus on mitigation. As in the previous stocktaking update, we can also see a strong role of inputs that have an integrated focus: about one fourth of all reported activity contribute to the vision of both climate-neutral and climate-resilient Alps.

### **Insights from the 2024 stocktaking update for further activities of the ACB**

Considering this summary and main insights of the 2024 stocktaking update, the following conclusions can be drawn for further activities of the ACB:

- First, the 2024 stocktaking reconfirms the strong commitment of all policy levels and stakeholders in the Alps to reach the vision of climate-neutral and climate-resilient Alps 2050. 73 new projects were added to the stocktaking (nearly 50% more than in the last

stocktaking update in 2021-22), displaying the broad range of activities of stakeholders related to the ACB. The ACB can build on this pool of activities to increase visibility, transfer to other regions and exchange and thus to create a broader impact.

- Looking at the types of activities, it can be seen that implementation activities are well under way. Instead of kick-starting new activities, it seems reasonable to continue the approach of supporting stakeholders and multipliers in their work. This approach has already been pursued by the ACB during its recent mandate, e.g. with training sessions on improving stakeholder engagement.
- Regarding the two elements of the climate-neutral and climate-resilient Alps vision, there is no specific need for corrective action. Activities reported in the stocktaking cover mitigation and adaptation in a balanced way, integrated activities also take a strong role.
- Looking at the sectors of the CAP 2.0, the 2024 stocktaking update confirms that the ACB has a good overview on ongoing activities in most of the sectors. This is due to the active role of ACB members themselves in sectoral activities as well as related activities of the Thematic Working Bodies of the Alpine Convention. Some sectors are however covered to a lesser extent and it is more difficult for the ACB to receive insights into relevant activities and thus to identify support needs. Relating to the “green” sectors water, soil, ecosystems and mountain agriculture & forestry, a separate study on “Nature-based solutions” has however been launched by the ACB to fill information gaps and to provide relevant recommendations for further activities.
- As in the previous stocktaking update, some direct links to the implementation pathways of the CAP 2.0 can be seen. However, the sectoral “caretakers” and the Implementation Communities have not been specifically involved in the stocktaking update. Thus, the “monitoring function” of the stocktaking update with respect to the implementation pathways needs to be seen as limited. It needs to be discussed whether a specific monitoring activity could be useful under the next ACB mandate.

Overall, it can be summarised that the regular update of the stocktaking remains a meaningful support for the work of the ACB: it not only gives a summary on ongoing activities, it also shows (information) deficits and “blind spots” of the work of the ACB. To ensure a comprehensive overview of all sectors, the ACB needs to collect information on the sectors that are less represented in the stocktaking update via other sources, networking activities and outreach. This needs to be kept in mind for future updates of the stocktaking and a potential targeted update of the implementation pathways.

## 1. Background: The stocktaking as information source for the ACB

---

### **Role of the stocktaking over the years: from common starting point to information base**

The Alpine Climate Board (ACB) was first established by the XIV Alpine Conference at the end of 2016 to bundle all relevant activities on climate change mitigation and adaptation that are carried out within the framework of the Alpine Convention. Since then, the ACB has established itself as a key player in the frame of the Alpine Convention and, with its Alpine Climate Target System 2050 (adopted at the XV Alpine Conference) and the new Climate Action Plan 2.0 (CAP 2.0; adopted at the XVI Alpine Conference) provided some new milestones that shape the activities of the Alpine Convention and all its implementation bodies.

The ACB understands itself as platform and “facilitator” rather than as an implementation body and thus depends on a good overview on ongoing activities and starting points. Thus, first activities of the ACB were built on a comprehensive stocktaking exercise to provide insights on relevant activities of the Thematic Working Bodies of the Alpine Convention (TWBs) with a link to climate change, to assess the role of Alpine-specific projects (Alpine Space Programme, Horizon 2020 etc.) and further activities and ideas reported by the Contracting Parties and Observers. This initial stocktaking was further developed into a regular information base to provide insights for the Implementation Communities of the ACB (as led by the “caretakers”) but also the ACB itself to design specific activities and actions.

### **2024 Stocktaking Update: Insights on cross-sectoral activities and basis for monitoring**

While previous activities of the ACB and both the Alpine Climate Target System 2050 and the CAP 2.0 were built around a sectoral approach, the major activities of the ACB in the 2023-2024 mandate took a cross-sectoral viewpoint. Three cross-sectoral hotspots were identified to capture better the synergies and innovation potentials coming along with a more integrated viewpoint. For each of the hotspots, specific activities were developed to provide insights and recommendations and to support all members and multipliers in the broader community of the ACB to implement the CAP 2.0 and its specific implementation steps. With this stocktaking update, the ACB wants to provide further insights to the cross-sectoral hotspots through an overview on relevant current projects.

At the same time, the 2024 stocktaking update aims at identifying gaps and catch-up needs with respect to the implementation of the CAP 2.0. These insights will become the basis for a potential targeted update of the implementation pathways.

### **Objectives and structure of this report**

This synthesis report provides an overview of the 2024 stocktaking update and compares it to the results of the initial 2017-2019 stocktaking and the first update in 2021-2022. Chapter 2 provides an overview on the 73 feedbacks to the stocktaking, differentiated into activities with a transnational and national focus. Chapter 3 provides an indicator-based analysis, along the indicators of the initial stocktaking, and providing comparisons were possible. This chapter also



highlights some insights into further activities of the ACB. Chapter 4 gives an overview on the cross-sectoral hotspots of the ACB and insights from the stocktaking.

The Annex includes some key information on all reported activities and the factsheets collection (separate document) provides an in-depth information source for selected reported activities.

## 2. Overview on the inputs to the 2024 stocktaking update

The update of the stocktaking reconfirms the high commitment of all policy levels and stakeholders in the Alps to reach the vision of climate-neutral and climate-resilient Alps. In the initial stocktaking, a list of 118 activities was compiled and evaluated and a first update round in 2021-2022 added 53 relevant projects. With this stocktaking update, 73 new projects are added to the stocktaking – thus reaching nearly the milestone of 250 projects and activities.

The following table provides an overview of inputs provided by the members of the Alpine Climate Board.

- 53 activities with a transnational focus were reported. These include several activities of the previous and ongoing Presidency of the Alpine Convention, of the TWBs who support the implementation of the CAP 2.0 through their mandates (inputs via the Permanent Secretariat of the Alpine Convention), of related Action Groups of the EUSALP strategy as well as selected projects implemented by the Alpine Space Programme and other European programmes. Also, activities of CIPRA and Alpine Town of the Year (as Observers to the ACB) are reported under the transnational activities.
- 20 activities with national focus were reported from Germany, Italy, Switzerland, Austria and Slovenia. These include activities and projects implemented by the Contracting Parties or Observer organisations, which have a particular potential for transferability to other Alpine regions or countries and to directly contribute to the implementation of the CAP 2.0.

All reported activities were implemented or at least launched since the publication of the last stocktaking report in 2021-2022; some of them are already finalised.

**Table 1: Feedbacks to the 2024 stocktaking update**

Input provided by	Name of activity
Germany, UBA	ACB Permafrost webinar: "Permafrost thawing in the Alps: New insights on risks, monitoring & hazard management"
Austria, UBA (link to EUSALP AG8)	X-RISK-CC – 'How to adapt to changing weather eXtremes and associated compound RISKS in the context of Climate Change
	Beyond the Expected: Dealing with the Case of Overload and Residual Risk of Natural Hazards in the Alpine Region
	CLISP-ALP – Climate-resilient spatial planning in the Alps
	Mainstreaming Climate Change Adaptation and Disaster Risk Reduction in the Alpine Macro-Region
	APCC Special Reports: "Strukturen für ein klimafreundliches Leben" ("Structures to enable climate-friendly living") & "Tourism and Climate Change"

Input provided by	Name of activity
	TRANSREAL: "Regionale Transformationsagenturen" ("Regional agencies for transformation") Policy Paper
Italy	F2C- Fondazione Cariplo for Climate program (2019 - 2024)
	Decree on Supporting and Funding Renewable Energy Communities (2024-2025)
	Implementation project of the Budoia Charter for local adaptation to climate change
	IRRIFRAME
	RACES – Raising Awareness on Climate and Energy Saving
	CLIMO Climate-Smart Forestry in Mountain Regions
	CLIMAERA – Tools for territorial planning for climate change
Slovenia	CARE4CLIMATE – Awareness raising programme climate action
	Improving the energy efficiency of mountain facilities (2017-2018)
Alpine Town of the Year Association	Alps2030 – Involving young people
	UrbaBio – Urban green spaces
	Tour des Villes – study trip for representatives of Alpine Towns
	Climate Action in Alpine Towns
CIPRA	Ground:breaking - Improving soil, climate and biodiversity through desealing in urban and peri-urban areas of the Alps
	speciAlps2 & speciAlps Podcast
	SteinReich – dry stone walls and cairns
	Green Deals for Municipalities
	Alpine Climate Action, Re:Sources & Bon Appetit! - Education programs for young adults
	Alpine Climate Camps – Climate action & mountain sports
	Trata 2.1 – Study trip in Slovenia on sustainable mobility
Permanent Secretariat	Multi-Annual Work Programme of the Alpine Conference 2023-2030
	Simplon Alliance Alpine Action Plan 2022
	Booklet "Closing the gap on climate action" of the ACB
	Recommendations on climate change education (Slovenian Presidency)
	Preserving moors in the Alps (statement by the WG Soil Protection)
	Climate Scenarios in Alpine Countries and Indications for Spatial Planning; Overview of guidelines for municipalities for assessing and activating innerurban development potentials (activities of WG Spatial Planning)

Input provided by	Name of activity
	<p>Knowledge transfer in risk communication (activity of WG PLANALP)</p> <p>Accelerating the electrification of road transport in the Alps; Implementation of the energy transition in transalpine logistics, measures and regulations; Assessment of the potential of combined transport for the modal shift in alpine crossing freight transport (activities of WG Transport)</p> <p>Beyond Snow (ASP project with involvement of Alliance in the Alps and the Permanent Secretariat)</p>
Bavaria	<p>AlpSenseRely – Study on early warning systems</p> <p>Foundation of the “Research center and early warning system for alpine natural hazards”</p> <p>International Peatland Science Conference (18-21 September 2024 in Freising, DE)</p> <p>„Klimaschutz- und Anpassungspotenziale in Mooren Bayerns“ (KliMoBay – Potential for climate change mitigation and adaptation in moors in Bavaria) project</p>
DAV, German Alpine Club	<p>National climate protection strategy of the DAV</p> <p>Moobly.de: Carpooling for mountain sports</p>
Alpine Space Programme	<p>ADAPTNOW – ADAPtation Capacity Strengthening for Highly Affected and Exposed Territories in the Alps NOW</p> <p>FRACTAL – Fostering green infrastructure in the Alps</p> <p>I-SWAMP – Integrated small wetlands of the Alps monitoring and protection</p> <p>MOSAIC – Managing protective forest facing climate change compound events</p> <p>PlanToConnect – Mainstreaming ecological connectivity in spatial planning systems of the Alpine Space</p> <p>TranStat – Transitions to Sustainable Ski Tourism in the Alps of Tomorrow</p>
Activities reported by the ACB Chair	<p>MulitBios; RiKoSt: An enabling approach to risk communication; AlpPlan network on green infrastructures; Amigo – Active commuter mobility; Bahn-zum-Berg/Zuugle; Booklet/Hiking guide with tours reachable by public transport (Protect our Winters with Bahn-zum-Berg); Technical report on Renewable Energies in Alpine protected areas (ALPARC); Cervino Project; Energy Governance Booklet; Training "Engaging stakeholders for climate action: how to better consider “the human factor” and make use of positive narratives; 9<sup>th</sup> Report on the State of the Alps "Alpine Towns"; Spatial Energy Planning in Styria, Vienna, Salzburg; Round table waterpower in Switzerland; Climate-neutral agriculture Grisons; Climate-neutral tourism destinations in Switzerland; AMooRe – Austrian Moor Restoration;</p>

To avoid any confusion with the previous stocktaking campaigns, the new inputs were added at the end of the stocktaking table. This ensures that the previous numbering of projects can be maintained. The new inputs start with no. 172 in the overall list of projects (see Annex).

### 3. Indicator-based analysis of feedback – 2024 stocktaking and comparison to the previous stocktaking exercises

---

To provide continuity with the previous stocktaking activities of 2017-2019 and 2021-2022, this year's update used the same questionnaire. The information and criteria collected were the same, only some slight changes were incorporated to consider the new cross-sectoral approach of the ACB:

- In addition to the relevance of each input on the sectors of the CAP 2.0, the stocktaking update analyses if the inputs have a relevance for one of the cross-sectoral hotspots of the ACB: “energy transition”, “lifestyles” and “nature-based solutions”.
- In the description of the relevance for the ACB, the new questionnaire also asks if the relevant input has a relevance for developing further crosscutting activities under the ACB.

All inputs, including inputs to the initial stocktaking in 2017-2019 and the 2021-2022 update, were assessed with the help of an overall evaluation table to get a comprehensive picture of the state of climate change mitigation and adaptation activities in the Alps and to see how priorities have changed over the last years.

This chapter provides a detailed overview of results for the main indicators of the stocktaking. It highlights the results of the 2024 update and provides a comparison to the previous stocktaking activities 2017-2019 and 2021-2022. Results of this analysis can be used by the ACB to further develop its activities, to identify deficits and to make better use of synergies with crucial partners and stakeholders.

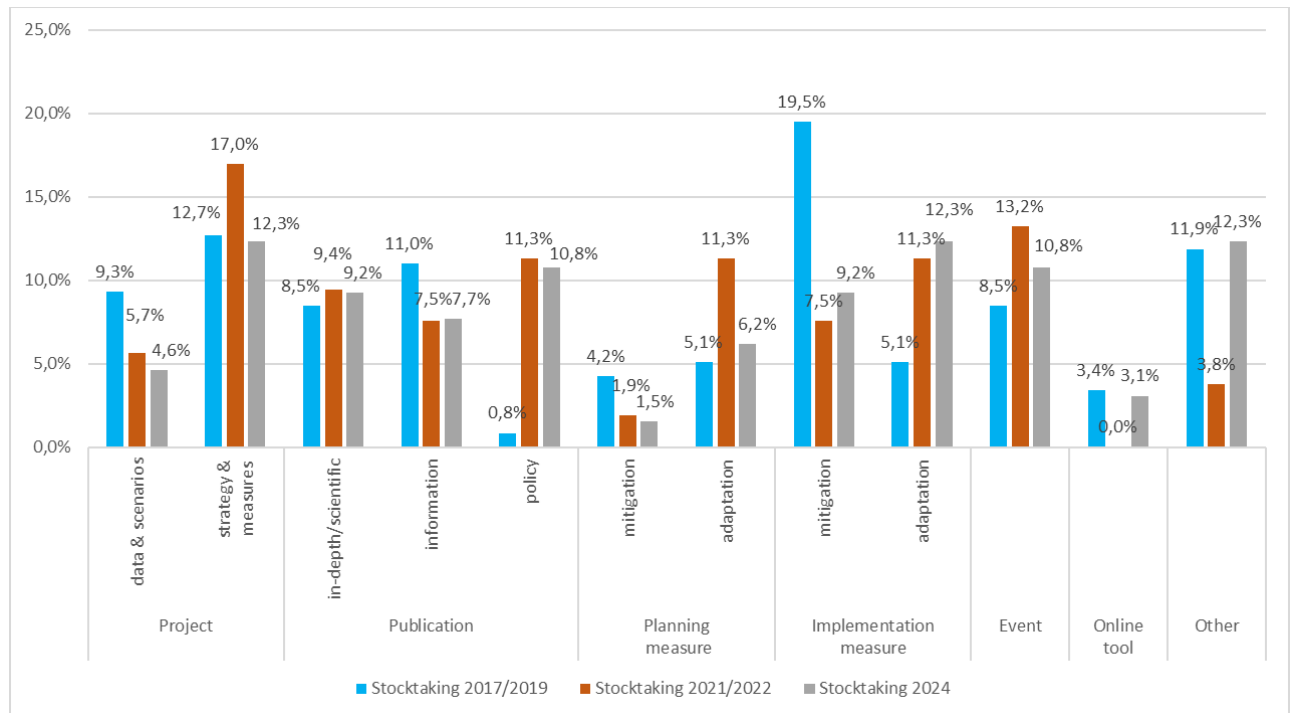
#### 3.1 Type of activity and relevance for climate change

To identify the main types of activities, the classification scheme of the previous stocktaking was carried over in the update. This includes the following types of activities:

- Project (data & scenarios focus or strategy & measures focus)
- Publication (in-depth/scientific or information focus, policy focus)
- Planning measure (mitigation or adaptation)
- Implementation measure (mitigation or adaptation)
- Event
- Online info tools
- Other (set-up of networks, training, etc.)

The following figure provides an overview on the main types of activity, differentiated by stocktaking inputs 2017-2019 (up to no. 118), inputs 2021-2022 (no. 119 to 171) and inputs 2024 (no. 172 to 244). To allow an easier interpretation, the results per type of activity are presented as shares of the overall reported activities.

Figure 1: Overview: Type of activity (stocktaking 2017-2019, 2021-2022, 2024, in percent)



Considering this picture, the following conclusions can be drawn:

- With the 2024 stocktaking update, all types of the above-mentioned activities are covered. “Planning measures mitigation” and “online tools” play the lowest role but are still represented. Online tools include activity no. 172 with the Cervino data set and no. 174 with Bahn-zum-Berg/Zuugle.
- Apart from these two activity types with low occurrence, a quite balanced distribution can be seen for all other types of activities.
- As in the previous update, implementation measures have gained an increasing importance. The share of implementation measures has increased compared to the previous stocktaking update for both mitigation and adaptation. When looking at the section “publication”, again the policy-oriented publications play the strongest role, thus also contributing to the implementation focus.
- Regarding the planning and implementation measures, adaptation-related measures are again slightly better represented than mitigation-related measures. This is not necessarily a representative picture of overall activities in the Alpine region, but rather reflects the sources of inputs to the stocktaking with one large contribution on adaptation-related activities (see table 1).
- The share of events has decreased compared to the previous stocktaking update. After the restrictions of the COVID-pandemic, the number of online events has decreased again, especially the role of webinars as a form of online exchange.
- Others include: Strategic frameworks (Multi-Annual Work Programme, Simplon Alliance), new networks and several study trips (Alpine Town of the Year, activities in Slovenia).

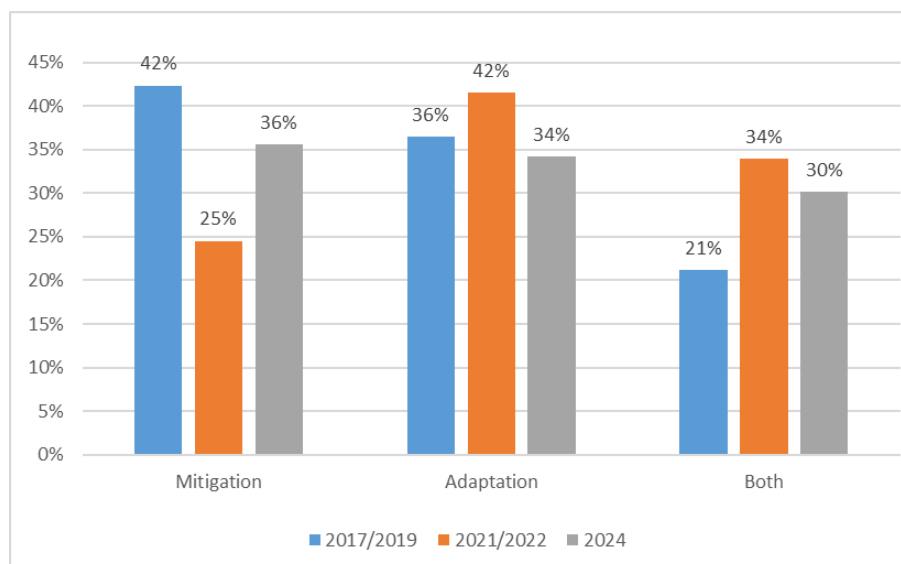
→ Insights for further ACB activities:

Implementation activities are well under way. Instead of kick-starting new activities, it seems reasonable to support stakeholders and multipliers in their work. This approach has already been pursued by the ACB during its recent mandate with its logic to work as a platform.

### 3.2 Relevance for climate neutral and climate resilient Alps: mitigation or adaptation focus

Looking at the relevance of activities for climate change mitigation and/or adaptation, the 2017-2019 stocktaking displayed a balanced picture between mitigation and adaptation activities. The 2021-2022 update reflected a slight shift to a stronger adaptation focus, which was due to specific input from active members of the ACB with a strong adaptation focus. In 2024, the overall picture is more balanced again, even with a slightly stronger focus on mitigation.

Figure 2: Relevance of adaptation & mitigation (stocktaking 2017-2019, update 2021-2022 and 2024, in percent)



- Looking at the grey bars in figure 2, it can be seen that the shares of mitigation, adaptation or both aspects in 2024 is similar to the initial stocktaking in 2017/2019. In absolute values, 26 activities with focus on mitigation were reported in 2024, 25 activities with adaptation and 22 activities with both focuses.
- Adaptation measures mostly include activities at transnational level (and only few activities with national focus). This was the other way around in the previous stocktaking and is due to a large range of new projects with adaptation focus that have started under the framework of the Interreg Alpine Space Programme or were launched by EUSALP AG8.
- The share of activities that cover both mitigation and adaption is slightly lower than in the last update in 2021-2022. Still, 30% of all reported activities have an integrated focus and thus contribute to the vision of both climate-neutral and climate-resilient Alps.



→ Insights for further activities of ACB: there is no need for corrective action, the ACB should rather ensure that balanced approach remains visible.

### 3.3 Relevance for different sectors of the Alpine Climate Target System

An important element of the stocktaking is the analysis of how the relevant sectors of the Alpine Climate Target System are covered by the reported activities. This provides insights for the implementation communities and their caretakers, but also for the ACB as platform to identify deficits and gaps.

This section illustrates which sectors are covered and how the 2024 stocktaking update compares to the 2021-2022 update and the initial stocktaking in 2017-2019.

*Please note: the initial stocktaking in 2017-2019 used the topics covered at the time by the TWBs as reference. With the Alpine Climate Target System in place, the ACB moved to a more comprehensive approach with the aim to cover all sectors relevant for mitigation and adaptation activities in the Alps. To remain consistent, these sectors are now also used for the stocktaking. The inputs of the 2017-2019 stocktaking were adjusted accordingly.*

#### Analysis differentiated according to transnational and national focus

The following table illustrates the relevant sectors of the reported activities, differentiated by activities with a transnational and a national focus. When comparing the results of the initial stocktaking in 2017-2019, the 2021-2022 update and the new update in 2024, the following results can be summarised:

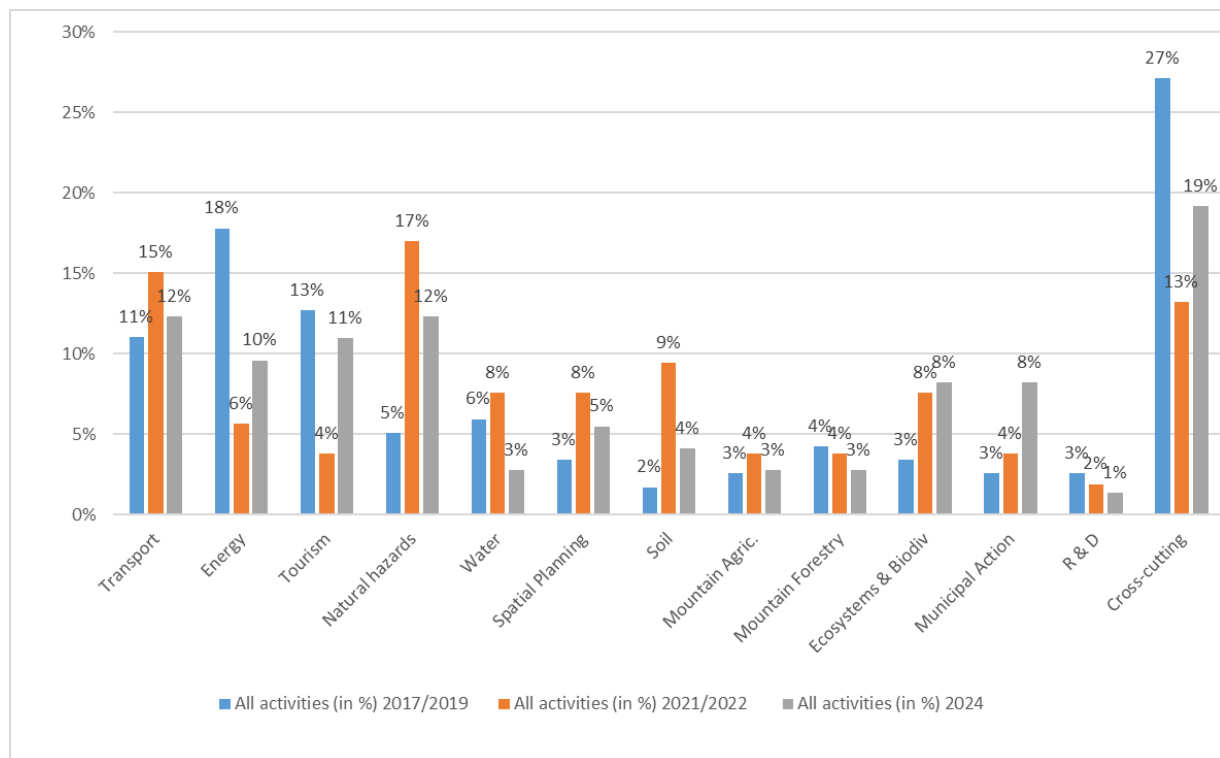
- “Cross-cutting activities” had the highest number of activities in the initial stocktaking but then only played a minor role in the 2021-2022 update. In this 2024 stocktaking update, they again play a more important role. This is mostly due to a large set of inputs coming from CIPRA and Alpine Town of the Year Association, which often have a crosscutting focus.
- The three sectors Transport, Energy and Tourism, with close interlinkages, have received a similar number of reported activities. Compared to the stocktaking update in 2021-2022, more activities were reported in the sectors Energy and Tourism – this also due to the activities of the ACB itself in the two relevant cross-sectoral hotspots (“energy transition” and “lifestyles”).
- The Natural hazards sector is well represented in the stocktaking, also including activities of EUSALP Action Group 8 thanks to active members of both the ACB and that group.
- Activities related to the “green” sectors Water, Soil, Mountain agriculture and Mountain forestry were no major focus in the stocktaking update, each of these sectors only received 2-3 inputs. On the other hand, Ecosystems and biodiversity play a stronger role than in the two previous stocktaking exercises, this being due to new projects in the Alpine Space Programme and several activities of CIPRA.
- For the Municipal Action sector, quite a high number of inputs were reported – this being due to the comprehensive feedback from the Alpine Town of the Year Association, which had not taken part in the previous stocktaking exercises.

**Table 2: Relevant sectors of the reported activities: main focus**

	Activities with transnational focus - Main links			Activities with national focus - Main links			All activities		
	2017/2019	2021/2022	2024	2017/2019	2021/2022	2024	2017/2019	2021/2022	2024
Transport	9	8	7	4	0	2	13	8	9
Energy	14	2	3	7	1	4	21	3	7
Tourism	11	1	5	4	1	3	15	2	8
Natural hazards	6	5	9	0	4	0	6	9	9
Water	7	4	1	0	0	1	7	4	2
Spatial Planning	3	4	4	1	0	0	4	4	4
Soil	1	4	2	1	1	1	2	5	3
Mountain Agric.	2	2	1	1	0	1	3	2	2
Mountain Forestry	5	2	1	0	0	1	5	2	2
Ecosystems & Biodiv	4	3	5	0	1	1	4	4	6
Municipal Action	2	1	4	1	1	2	3	2	6
R & D	1	1	1	2	0	0	3	1	1
Cross-cutting	18	2	10	14	5	4	32	7	14
<b>TOTAL</b>	<b>83</b>	<b>39</b>	<b>53</b>	<b>35</b>	<b>14</b>	<b>20</b>	<b>118</b>	<b>53</b>	<b>73</b>

Figure 3 displays the composition of the inputs per sector in percent, highlighting clearly the important role of crosscutting activities and showing the comparable importance of transport, energy, tourism, natural hazards and ecosystems and biodiversity.

*Figure 3: Relevant sectors of the report activities – main focus for all activities (transnational and national focus), in percent*



### Contribution to the implementation of the CAP 2.0

A question in the stocktaking template is whether the reported activity can be seen as a part of one of the implementation pathways included in the CAP 2.0. It can be summarised that most reported activities have a strong link to the implementation pathways, but still need to be seen as “independent” activities of the relevant projects, networks or working groups. As many activities had already been launched before the CAP 2.0 was adopted, this result is however not surprising.

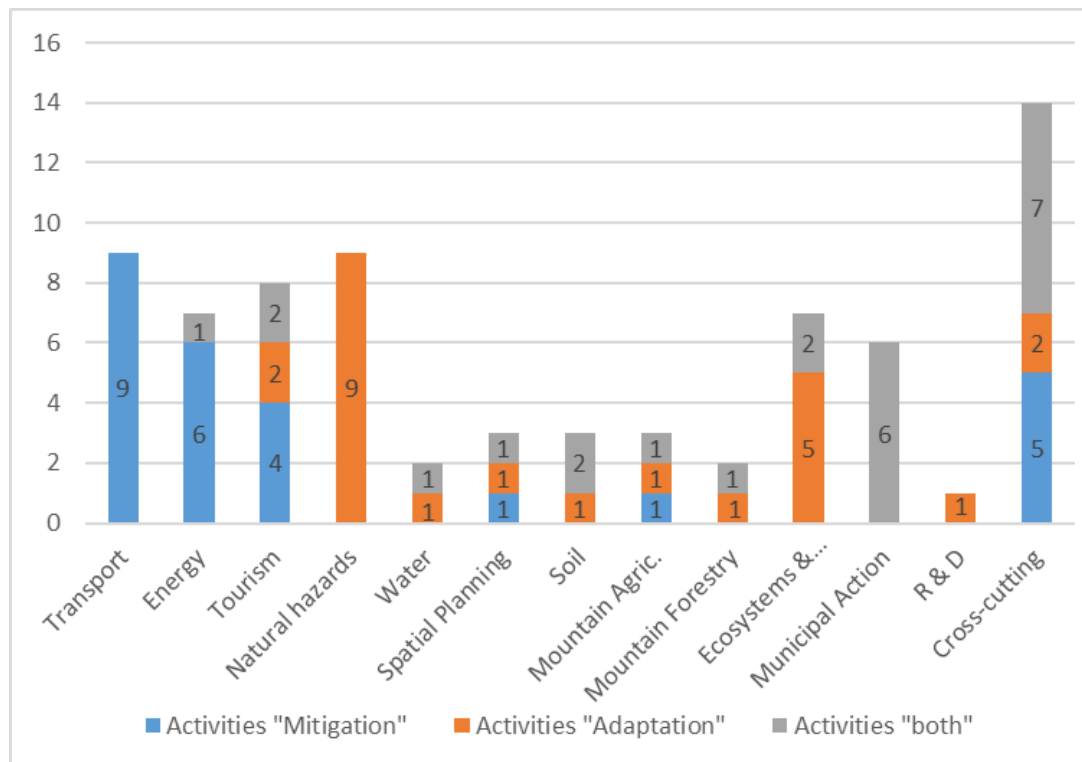
The activities having a direct link to the CAP 2.0, referring to specific implementation steps, are mostly those reported by the Working Group on Soil Protection and the Working Group on Spatial Planning and Sustainable Development.

### Fields of action – adaptation and mitigation

When differentiating into adaptation- and mitigation-related activities within each sector, the insights from the initial stocktaking and the 2021-2022 update can be confirmed:

- Some sectors clearly have a stronger role for mitigation, e.g. transport and energy. The initial stocktaking also referred to “Green Economy”, which also had a clear mitigation focus but is now integrated into the specific sectoral activities or the “cross-cutting” ones.
- On the other hand, other sectors like natural hazards, water and ecosystems & biodiversity have a stronger adaptation focus.
- All the other sectors require an integrated approach, considering both mitigation and adaptation. The 2024 stocktaking update shows this integrated approach especially for tourism-related activities, including relevant new projects under the Alpine Space Programme, which look into the transformation of the tourism sector under changing climate conditions (no. 208 and no. 220). Also, the spatial planning activities, mountain agriculture and, of course, the municipal and crosscutting activities require an integrated approach considering both mitigation and adaptation.

Figure 4: Differentiation into mitigation- and adaptation-related initiatives per sector



→ Which insights can be derived for further activities of the ACB?

- The 2024 stocktaking update confirms that the ACB has a good overview on ongoing activities in most of the sectors covered by the CAP 2.0. This is due to the active role of ACB members themselves in sectoral activities as well as related activities of the TWBs. Some sectors are however covered to a lesser extent and it is more difficult for the ACB to receive insights into relevant activities and thus support needs. Relating to the “green” sectors water, soil, ecosystems and mountain agriculture & forestry, a separate study on “Nature-based solutions” has however been launched by the ACB to fill information gaps and to provide relevant recommendations for further activities.
- As in the previous stocktaking update, some direct links to the implementation pathways of the CAP 2.0 can be seen. However, the sectoral “caretakers” and the Implementation Communities have not been specifically involved in the stocktaking update. Thus, the “monitoring function” of the stocktaking update with respect to the implementation pathways needs to be seen as limited. It needs to be discussed whether a specific monitoring activity could be useful within the next ACB mandate.

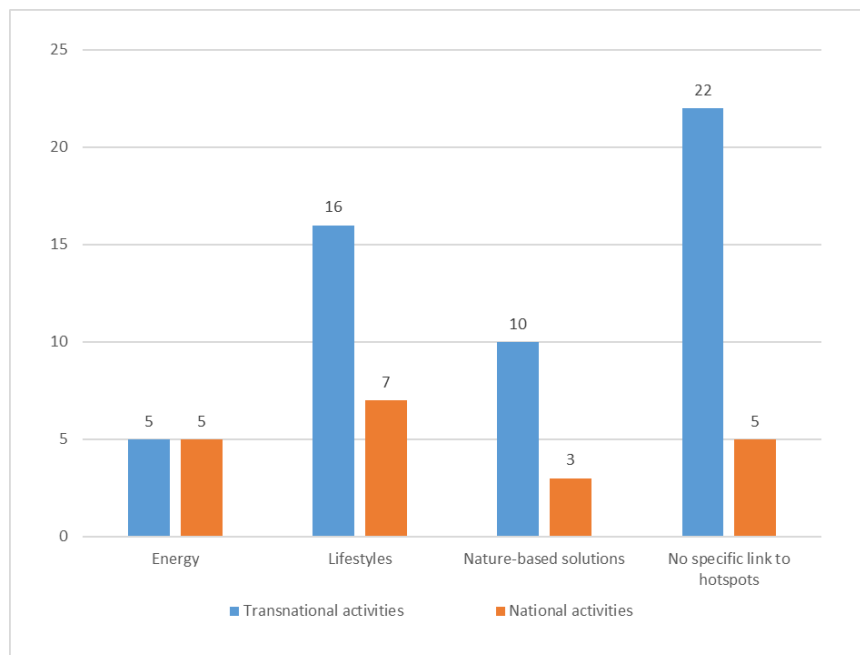
#### 4. Relevance for cross-sectoral hotspots

With the 2024 stocktaking update, the ACB furthermore aims at getting more insights into its cross-sectoral hotspots: which ACB members, Observers, other Thematic Working Bodies of the Alpine Convention or stakeholders of the broader Alpine climate community contribute activities to the cross-sectoral hotspots? Moreover, how relevant are the selected hotspots in the frame of the overall stocktaking?

The following figure provides an overview and illustrates how the inputs of the stocktaking relate to the cross-sectoral hotspots. It can be seen that within the transnational activities (blue columns), the largest share of reported activities have no direct link to any of the cross-sectoral hotspots of the ACB. These inputs relate, for example, to activities with focus on resilience/adaptation in general (e.g. no. 180, without nature-based focus), to general information activities on climate change impacts (e.g. no. 182) or to activities with general awareness raising focus (e.g. no. 187).

When looking at the activities with a link to the cross-sectoral hotspots, 30% of the reported activities relate to the lifestyles hotspot and 19% of the reported activities to the nature-based solutions hotspot. For the energy hotspot, only five transnational activities (9% of reported activities) were reported. When looking at the activities with national focus, about 25% of the activities have no link to the cross-sectoral hotspots. 35% of the reported activities with national focus are linked to lifestyles, 25% are linked to the hotspot energy transition and 15% are linked to the nature-based solution hotspot.

Figure 5: Link to the cross-sectoral hotspots of the ACB 2023-2024 mandate



The following sections provide a further analysis of the three cross-sectoral hotspots and deriving insights.

#### 4.1 Cross-sectoral hotspot “Energy transition”

The energy transition towards a renewable and efficient energy system has seen a new dynamic with the start of the war in Ukraine. All Alpine countries have stepped up their efforts to move away from fossil fuels. This comprehensive transformation process goes clearly beyond changes in the energy system itself and requires contributions in many other sectors, e.g. transport, agriculture, tourism, spatial planning and buildings/settlement. In the Alps, these cross-sectoral considerations often have specific challenges and characteristics. Also, especially in the sensitive Alpine environment, potential trade-offs need to be considered, e.g. conflicts related to ecosystems and land-use, (over-)use of wood for renewable heating etc.

To ensure that these cross-sectoral interfaces that come along with the energy transition are better considered both in activities of the ACB itself, but also in all energy-related discussions and activities at Alpine level, the ACB launched a cross-sectoral hotspot “Energy transition” under its ongoing mandate (2023-2024). With the Booklet on Energy governance in the Alps (also to be submitted to the Alpine Conference), the ACB analyses relevant governance questions around the energy transition. For several “energy nexus”, the governance booklet provides insights from best practices and ongoing “governance challenges” to improve cross-sectoral governance and make use of synergies between the different sectors.

The 2024 stocktaking supports the analysis of the governance booklet and provides an overview on additional activities. While the energy sector is one of the sectors that has received the highest number of inputs in a relative perspective, the absolute number of inputs is still not very comprehensive. So the inputs received can only be seen as spotlight.

The following table summarises the inputs that were reported for the cross-sectoral hotspot “Energy transition”. In the last column, the relevant “energy nexus” is shown – thus the interface between the energy sector and other sectors of the CAP 2.0. The stocktaking provides interesting insights on the “Energy & transport” nexus, which is not covered in the booklet on Energy Governance.

**Table 3:** Inputs with relevance for the energy hotspot

No.	Name	Energy nexus
172	Cervino Project	Energy & transport
173	Technical report on Renewable Energies in Alpine protected areas (ALPARC)	Energy & spatial planning <i>(for more details see Energy booklet)</i>
217	Accelerating the electrification of road transport in the Alps	Energy & transport
218	Implementation of the energy transition in transalpine logistics, measures and regulations	Energy & transport
221	Energy Governance booklet	All energy nexus covered
225	Spatial Energy Planning in Styria, Vienna, Salzburg provinces	Energy & spatial planning <i>(for more details see Energy booklet)</i>

226	Waterpower round table in Switzerland	Energy & Water <i>(for more details see Energy booklet)</i>
236	Improving the energy efficiency of mountain facilities in Slovenia	Energy & tourism
237	National “Climate protection strategy” of the German Alpine Club DAV	Energy & tourism
240	Decree on Supporting and Funding Renewable Energy Communities (2024-2025)	Energy Communities

#### 4.2 Cross-sectoral hotspot “Lifestyles”

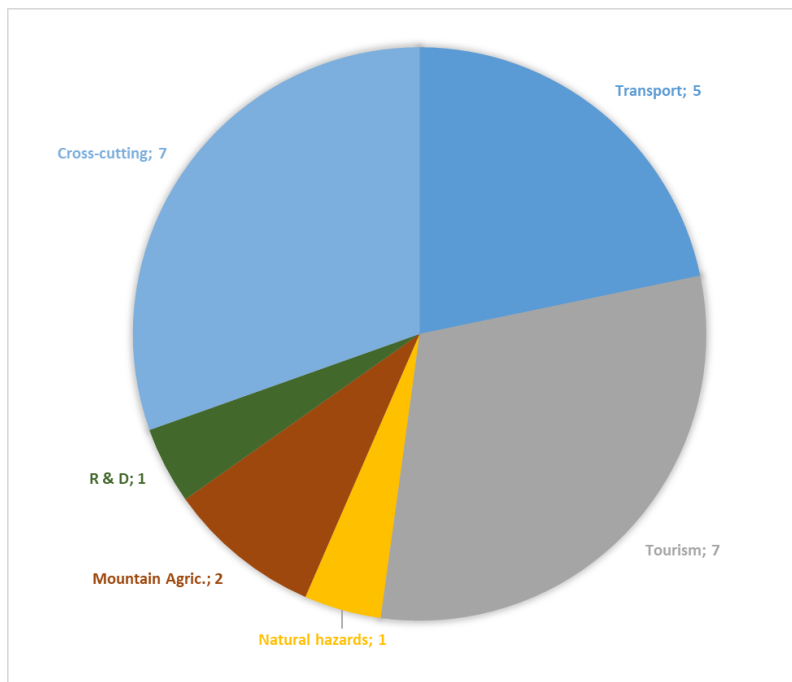
Within the “lifestyles” hotspot, the ACB aims at reaching out more broadly to multipliers and stakeholders, to bring the ideas and activities of the ACB “to the ground”. Under the 2023-2024 mandate, several activities were implemented by the ACB itself, especially with the focus to support stakeholders at Alpine level to go “beyond the bubble” and to engage new stakeholders in their activities – thus motivating new target groups and actors to support the implementation of the CAP 2.0.

The 2024 stocktaking update highlights that this need of engaging stakeholders has been recognised by other Alpine initiatives/platforms/networks as well, especially CIPRA International has implemented a broad range of awareness raising and capacity building activities, partly with a focus on engaging young people for climate action in the Alps (e.g. no. 189 Alpine Climate Camps, no. 190 Re:Sources, no. 192 Alps2030).

Furthermore, the 2024 stocktaking includes activities that were already highlighted in the ACB booklet “Closing the Gap on Climate Action” and the training activities of the ACB itself.

The following figure illustrates how the reported lifestyles activities relate to the sectors of the CAP 2.0. It can be seen that the transport and tourism sectors play an important role, as they have a direct link to lifestyles and, of course, the crosscutting activities. Mountain agriculture also has an important impact on “what we eat” and is thus covered by the lifestyles activities.

*Figure 6: Lifestyle activities of 2024 update and their link to sectors of the Climate Action Plan 2.0*



#### 4.3 Cross-sectoral hotspot “Nature-based solutions”

The third cross-sectoral hotspot of the 2023-2024 ACB mandate refers to the role of nature-based solutions for climate-neutral and climate-resilient Alps. A first collection of relevant activities was already conducted in spring/summer 2024. On this basis, it was decided that a broader overview on the role of “nature-based solutions”, relevant best practices, governance models and success factors would be interesting as basis for further activities of the ACB. Thus, an in-depth study on nature-based solutions was launched by the ACB in spring 2024, based on funding made available by the German Environment Agency. However, as this project is still under way, its results cannot be considered in the 2024 stocktaking.

Even if the “green” sectors water, soil, ecosystems, etc. are underrepresented in the 2024 stocktaking, the current update includes 10 activities that have a link to the nature-based solutions cross-sectoral hotspot:

- 5 relevant activities are new projects launched under the Interreg Alpine Space Programme (e.g. no. 196 X-RISK-CC, no. 204 FRACTAL, no. 205 I-SWAMP).
- 2 relevant activities are implemented as awareness raising/educational activities by CIPRA and Alpine Town of the Year for its communities (no. 186 SteinReich, no. 193 UrbaBio)
- Also, activities of the TWBs contribute to the cross-sectoral hotspot, e.g. the Soil Protection Working Group with its statement “Preserving moors in the Alps”.



## ANNEX 1: Overview table on reported activities – main information

*All activities and updates in italics and purple font were added during the 2024 stocktaking update. This includes new activities no. 172 to no. 244 as well as updates reported on the previously listed activities.*

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
<b>Activities implemented by Alpine Convention bodies</b>						
1	Energy Platform (2013-2014, 3 workshops and background report)	Publication (in-depth/scientific)	Background report and accompanying workshops, agenda setting for implementing "renewable Alps" vision	Both	Energy	Energy Platform
2	Platform Ecological network (2006-2019)	Implementation measure adaptation	Raise awareness for the needs and methods to Increase ecosystem resilience by creating natural landscape elements in the form of corridors or stepping stones	Adaptation	Ecosystems & Biodiv.	Ecological network Platform
3	Alpine strategy for adaptation to climate change in the field of natural hazards (2013, PLANALP)	Publication (focus information)	Alpine strategy for adaptation to climate change in the fields of natural hazard (2012), brochure (2014), recent development RSA7	Adaptation	Natural hazards	Natural Hazards Platform PLANALP
4	Statement on the "Role of Ecological Connectivity for Adaptation to Climate Change Impacts in the Alps" (Platform Ecological Network, 2016)	Publication (focus information)	2 pages introductory document	Adaptation	Ecosystems & Biodiv.	Ecologic network Platform
5	6th Report on the State of the Alps "Greening the Economy in the Alpine Region" (+ Declaration of the XIV.	Publication (in-depth/scientific)	Report with Good Practice examples, data and information (focus energy efficiency and low carbon economy)	Mitigation	Crosscutting	Ad-hoc expert group RSA6 "Green Economy"

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
	Alpine Conference on Fostering a Sustainable Economy in the Alps)					
6	Task Force Climate Change of the Italian Presidency (2013-14)	Other	Agenda setting on Climate Change	Both	Crosscutting	Italy
7	Alpine Signals 7: Guidelines for Climate Change Adaptation at the Local Level in the Alps (IT, 2014)	Publication (focus information)	Guidelines for Climate Change Adaptation at the local level	Adaptation	Municipal Action	Italy
8	Guidelines on local adaptation to Climate Change for Water Management And Natural Hazards in the Alps (Platform Water Management, 2014)	Planning measure adaptation	Guidelines with focus water resources management and natural hazards Support for assessing vulnerability and resilience capacity	Adaptation	Water	Water Management Platform
9	Action Programme for a Green Economy in the Alpine Region (2019)	Planning measure mitigation	Development of Action Programme for Green Economy in the Alps	Mitigation	Crosscutting	Green Economy Advisory Board
10	Facing droughts in the Alpine Region (2019)	Planning measure adaptation	Expert paper, based on a questionnaire, two expert workshops and the 7 <sup>th</sup> Alpine Water Conference (cf infra)	Adaptation	Water	Water Management Platform
11	Alps2050 - Common spatial perspectives for the Alpine Space. Towards a common vision (Project with the ESPON programme) (2019)	Project (focus data & scenarios)	Implementation of the Declaration on sustainable spatial development in the Alps, scientific base	Adaptation	Spatial Planning	Ad-hoc working group spatial planning
12	Joint Alpine-Carpathian Statement on Adaptation to Climate Change (2014)	Other	Joint statement with the Carpathian Region on adaptation, focus on exchange of information	Adaptation	Crosscutting	All contracting parties
13	Statement On the Value of Alpine Forests and the Alpine Convention's Protocol on Mountain Forests in the framework of the international forestry policies beyond 2015 (2014)	Publication (focus information)	Political statement, report on the state of Alpine forests, recommendations for monitoring, research, management, communication, and overview of the international institutional context	Both	Mountain forests	Mountain Forests Working Group

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
14	Statement on "Contribution of mountain farming to food security in Alpine regions" (2016)	Publication (focus information)	Statement on contribution of mountain farming to food security in Alpine regions (work programme 2014-2016), climate change adaptation with co-benefits	Adaptation	Mountain agriculture	Mountain Agriculture Platform
15	Statement on "Mountain agriculture and energy" (2019)	Publication (focus information)	Overview of the potential role of mountain agriculture in energy production and energy saving, highlighting co-benefits and with innovative examples from the entire alpine region	Mitigation	Mountain agriculture	Mountain Agriculture Platform
16	Best Practice Examples for land-use and nature conservation-compatible renewable energy projects in the Alps (DE, 2016)	Publication (in-depth/scientific)	Report with 28 exemplary renewable energy examples that avoid land-use conflicts and protect nature	Mitigation	Energy	BMUB Germany
17	Towards Renewable Alps	Publication (focus information)	Progress report towards the "vision Renewable Alps" for 2015-16	Mitigation	Energy	Permanent Secretariat
18	Flyer on Climate change in the Alps (2017)	Publication (focus information)	Information flyer on climate change in the Alps	Both	Crosscutting	Permanent Secretariat
19	Recommendations for the sustainable organisation of meetings and events of the Alpine Convention (2016)	Publication (focus information)	Check-list and recommendations drafted by the Permanent Secretariat, referring to existing standards	Mitigation	Energy	Permanent Secretariat
20	We are Alps Press Tour <i>Topic 2019: climate change, natural hazards and governance. No edition in 2020 and 2021 due to the Covid-pandemic</i>	Other	Annual press tour with changing specific focus topic (2015: Climate change); every edition is carried out with sustainable transportation means	Mitigation	Transport	Permanent Secretariat
21	Alpen-Forum-Innsbruck (2015-2017)	Event	Series of discussion workshops on specific fields of action on climate change	Both	Crosscutting	Permanent Secretariat

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
22	5 <sup>th</sup> Alpine Water Conference 2014 and workshop "Water and risk management facing climate change: towards the local adaptation"	Event	Conference based on results of the Water Management platform, including other mountain regions	Adaptation	Water	Water Management Platform
23	International Conference and Appeal on climate protection at municipal level (Alliance in the Alps, Alpine Town of the Year, CIPRA International, 2015)	Event	International conference + joint appeal to the UN Climate Conference	Mitigation	Crosscutting	Alliance in the Alps, Alpine Town of the Year, CIPRA
24	Contribution to the report by the European Environmental Agency "Climate change, impacts and vulnerability in Europe 2016"	Publication (in-depth/scientific)	Inputs to EEA report, especially chapter on climate change in the Alps	Both	Crosscutting	Permanent Secretariat
25	Multi-Annual Work Programme of the Alpine Conference 2017-2022 + Alpine Conference Declaration	Other	"Taking action on climate change" is one of the 6 priorities	Both	Crosscutting	All contracting parties
26	Multi-Annual Work Programme of the Alpine Conference 2011-2017 (+ Declaration of the XIV. Alpine Conference on the Multi-Annual Work Programme)	Other	Climate change was one of the 5 priorities	Both	Crosscutting	All contracting parties
27	Cooperation with the European Environmental Agency	Other	Partnership agreement with EEA and contribution to EEA's activities (incl. Climate-ADAPT platform, Technical Paper on Adaptation in Mountain Regions)	Adaptation	Crosscutting	Permanent Secretariat
28	7 <sup>th</sup> Report on the State of the Alps "Natural Hazard Risk Governance" (2019)	Publication (in-depth/scientific)	Principles and good practices in the field of risk governance	Adaptation	Natural hazards	Natural Hazards Platform PLANALP
29	6 <sup>th</sup> Alpine Water Conference	Event	Conference "Water Management in a Field of Conflicting Interests: Between Natural Hazards and Nature Protection" (Herrenchiemsee, DE, 2016)	Adaptation	Water	Water Management Platform

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
30	ForumAlpinum & 7 <sup>th</sup> Alpine Water Conference	Event	Conference “Alpine Water – Common Good or Source of Conflict” (Breitenwang, AT, 2018)	Adaptation	Water	ISCAR, Water Management Platform
31	Application of the Common Guidelines for the use of Small Hydropower in the Alpine region + <i>Report on the application of the guidelines published in 2019</i>	Publication (in-depth/scientific)	Evaluation of the implementation of the Alpine Convention’s guidelines for balancing the interests of energy production and ecology	Mitigation	Water	Water Management Platform
32	Report on Interactions between mountain forests and flood protection (2019)	Publication (in-depth/scientific)	Overview of the role and requirements of protective forests, also in the view of climate change	Adaptation	Mountain forests	Mountain Forests Working Group
33	Mobility solutions in the Alps Database (2015)	Publication (in-depth/scientific)	Best-practice examples of sustainable mobility solutions in remote Alpine territories and for logistics and freight delivery	Mitigation	Transport	Transport Working Group
34	Analysis of innovative technologies for freight transport (2019)	Publication (in-depth/scientific)	Studies on combined transport, rail freight and alternative fuels	Mitigation	Transport	Transport Working Group
35	ClimaHost competition <i>2nd edition planned for 2021-2022 (Germany + Permanent Secretariat)</i>	other	Contest rewarding good practices in mitigation and energy management in Alpine hotels and restaurants	Mitigation	Tourism	Germany, Austria, Permanent Secretariat
<b>Activities implemented by Contracting Parties with direct reference to Alpine Convention</b>						
36	Energy Forum (CH, during the “Mountain week” at EXPO2015)	Event	Workshop during the Expo 2015 to discuss the potential role of common principles and guidelines for RES development in the Alps	Mitigation	Energy	Switzerland
37	Constructive Alps (since 2010)	Other	4th Constructive Alps award for sustainable architecture in the Alps (new	Both	Energy	Switzerland, Liechtenstein

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			construction and renovation); travelling exhibition <i>5<sup>th</sup> Constructive Alps award (2020) with a strong focus on climate conscious architecture, travelling exhibition</i> <i>6<sup>th</sup> Constructive Alps award (2022) ongoing, award ceremony and travelling exhibition foreseen in 2022</i>			
38	Alpine Building Conference (DE, 2016)	Event	International conference	Both	Energy	BMUB Germany
39	Virtual Alpine Observatory VAO (DE, since 2014)	Project (focus data & scenarios)	Network of High Altitude Research Stations; ( <a href="http://www.vao.bayern.de">www.vao.bayern.de</a> ) (e.g. observatories Sonnblick and Kitzsteinhor (AT), Jungfraujoch/ Gornergrat (CH), Schneefernerhaus (DE), Otlica (Slovenia), facilities of EURAC Research (Italy) and OSUG (France) Associated partners from Norway, Georgia, Bulgaria, Czech Republic, Slovakia: The VAO is always open to new partners and is set for continued expansion in the coming years. VAO is currently trying to become an EGTC	Adaptation	Crosscutting	Project consortium of alpine research stations
40	Workshop "The future of Alpine forests in light of the potential impacts of climate change: threats and opportunities" (Udine/I, 17.05.2013)	Event	Final conference of MANFRED and ALPFFIRS projects	Adaptation	Mountain forests	Project consortium MANFRED and ALPFFIRS (see below)
41	Best practice guide on energy management in alpine hotels	Publication (focus information)	Best practice guide for hotels, based on one specific example in South Tyrol	Mitigation	Energy	BMUB Germany

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
42	Workshop "Sustainable Economy in the Alps – Climate mitigation and Energy Efficiency in Hotel and Restaurant businesses"	Event	Workshop for exchanging experiences and launching a network for climate change initiatives in the hotel and restaurant industry	Mitigation	Energy	BMUB Germany
42	Online platform "Alpine Energy" for knowledge transfer on Energy Efficiency in the Hotel and Restaurant businesses <i>(please note: the platform is out of date and not online anymore)</i>	Online info tools	Online info tool on energy efficiency in the hotel and restaurant business	Mitigation	Energy	BMUB Germany
44	AlpInfoNet project	Other	Pilot activities and handbook for cross-border information on sustainable mobility	Mitigation	Transport	Bavarian Ministry of the Interior, for Building and Transport and further partners, Transport Working Group
<b>Networks and platforms with transnational focus</b>						
45	CAPA – Climate Adaptation Platform for the Alps	Online info tools	Transnational knowledge portal for climate adaptation, filling gaps of EU Climate Adapt platform	Adaptation	Crosscutting	UBA Austria with other partners, EUSALP AG8
46	Network of national adaptation policy makers of the Alpine countries	Other	Transnational network of national adaptation policy makers	Adaptation	Crosscutting	All contracting parties
47	Alpine Pearls	Implementation measure mitigation	Umbrella brand of tourism destinations with focus on sustainable mobility for guests	Mitigation	Transport	Network of Alpine tourism destinations, initiated by Austrian Federal Ministry for Sustainability and Tourism

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
48	Alpine Partnership for Local Climate Action (ALPACA)	Other	Information, exchange and joint awareness raising action on climate mitigation and adaptation measures with focus on local level, bringing together existing initiatives and networks	Both	Crosscutting	CIPRA, Alliance in the Alps, Alpine Town of the Year Association with support from Germany, associated partners
<b>Projects/activities with project character with transnational focus</b>						
49	C3-Alps - Capitalizing Climate Change Knowledge for Adaptation in the Alpine Space ( <i>Project ASP</i> )	Project (focus data & scenarios)	Capitalisation project bringing together existing knowledge on adaption in the Alps	Adaptation	Crosscutting	Project consortium under the lead of UBA Austria
50	100max	Project (focus strategy & measures)	100max is an Alpine game for climate protection: 70 household testing climate-friendly lifestyles	Mitigation	Crosscutting	CIPRA
51	Project "cc.alps"	Project (focus data & scenarios)	Improve the performance of climate mitigation and adaptation measures; state-of-the art reports for different sectors	Both	Crosscutting	Project consortium under the lead of CIPRA
52	Project "climAlp"	Other	Information campaign for the promotion of energy efficient building and renovation, using regional timber	Mitigation	Energy	CIPRA
53	Project "PEMO"	Project (focus strategy & measure)	Effective reduction of CO2 emissions by motivating employees to commute to work by sustainable means of transport	Mitigation	Transport	Project consortium under the lead of CIPRA
54	Project "Alpstar"	Project (focus strategy & measure)	Development of strategy and measures to make the Alps carbon-neutral; pilot projects, e.g. on mobility	Mitigation	Crosscutting	Project consortium under the lead of Ministry for



No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
						Environment Slovenia
55	Project "MountEE"	Project (focus strategy & measure)	Support for energy-efficient buildings and renovation, focus on public buildings; support to municipalities in three mountain areas	Mitigation	Energy	Project consortium under the lead of CIPRA
56	Project "dynAlp-climate"	Implementation measure mitigation	20 municipalities and regions put into practice concrete actions for climate protection	Adaptation	Crosscutting	Project consortium under the lead of Alliance in the Alps
57	Project "Recharge Green" <i>(Project ASP)</i>	Project (focus strategy & measures)	Strategies and tools to reconcile renewable energy development and nature conversation; cost and benefits of different strategies	Mitigation	Energy	Project consortium under the lead of Forschungsinstitut für Wildtierkunde und Ökologie, Veterinär- medizinische Universität Wien
58	CLISP Transnational Strategy for Climate Proof Spatial Planning <i>(Project ASP)</i>	Project (focus strategy & measures)	Mainstreaming climate adaptation into spatial planning, vulnerability assessment for sectors with relevance to spatial planning	Adaptation	Spatial planning	Project consortium under the lead of UBA Austria
59	Alpine Climate Strategy (WWF)	Publication (focus policy)	A position paper of the WWF European Alpine Partnership	Both	Crosscutting	WWF
60	Alpine ecological connectivity for the next generations – Alpine Nature 2030	Implementation measure adaptation	Strategy and measures towards Alpine ecological connectivity; specific measures are currently developed in the frame of the AlpBionet2030 project: coherent and complementary Alps-wide system of Strategic Alpine Connectivity	Adaptation	Ecosystems& biodiv.	AlpArc

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			Areas (SACA) and integrated wildlife management.			
61	Bergsteigerdörfer (Mountaineering villages)	Implementation measure adaptation	Initiative of Alpine clubs to promote sustainable tourism; villages that participate in the initiative agree to dissociate from classical forms of tourism	Both	Tourism	Alpine Clubs (ÖAV, DAV, Alpenverein Südtirol, Alpenverein Slovenia)
62	Energy efficiency in mountain huts	Implementation measure mitigation	Tool to measure CO <sub>2</sub> footprint of Alpine huts and to identify measures for reducing energy consumption and CO <sub>2</sub> emissions	Mitigation	Energy	Club Arc Alpin (CAA)
63	Umweltgütesiegel für Alpenvereins-hütten - Environment Certificate for mountain huts	Implementation measure mitigation	Reward of Alpine huts with a certification when certain criteria of environmentally friendly and sustainable management are met; these include the use of biofuel, increase of energy efficiency, reduction of CO <sub>2</sub> emissions	Mitigation	Tourism	DAV, ÖAV, AVS
64	Project "So schmecken die Berge" (taste of the mountains)	Implementation measure mitigation	In the framework of alpine hut management, hut owners are motivated to increasingly use ingredients and products that are produced/ cultivated in the close vicinity of the alpine hut	Mitigation	Tourism	Alpine Clubs
65	Adapt-Alp (Project ASP)	Project (focus strategy & measures)	Products and recommendations for natural hazard and disaster management	Adaptation	Natural hazards	Project consortium under the lead of Bayerisches Staatsministerium für Umwelt und Gesundheit

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
66	ALP FFIRS - Alpine Forest Fire Warning System (Project ASP)	Project (focus strategy & measures)	Development of the Alpine Forest Fire Danger Scale; tool equipped with a warning system that issues a daily alert level bulletin for the Alpine Space	Adaptation	Mountain forests	Project consortium under the lead of Agenzia Regionale per la Protezione Ambientale del Piemonte
67	Alp-Water-Scarce - Water Management Strategies against Water Scarcity in the Alps (Project ASP)	Project (focus strategy & measures)	Tools to mitigate the risk of water scarcity and instruments for the long-term management of water resources	Adaptation	Water	Project consortium under the lead of Université de Savoie
68	ClimAlpTour - Climate Change and its Impact on Tourism in the Alpine Space (Project ASP)	Project (focus strategy & measures)	Vulnerability assessment for tourism in the Alps and development of adaptation strategies	Adaptation	Tourism	Project consortium under the lead of Regione de Veneto
69	GoApply – Multidimensional governance of climate change adaptation in policy making and practice (Project ASP)	Project (focus strategy & measures)	Improve adaptation governance: vertical implementation, mainstreaming, involvement of different governance levels	Adaptation	Crosscutting	Project consortium under the lead of UBA Austria
70	MANFRED - Management strategies to adapt Alpine Space forests to climate change risks (Project ASP)	Project (focus strategy & measures)	Development of adaptive forest management strategies and tools to support forestry practice	Adaptation	Mountain forests	Project consortium under the lead of Forstliche Versuchs- und Forschungs-anstalt Baden-Württemberg
71	PARAmount - imProved Accessibility: Reliability and security of Alpine transport infrastructure related to mountainous hazards in a changing climate (Project ASP)	Project (focus data & scenarios)	Vulnerability assessment for transport infrastructures with respect to natural hazards; implementation of early warning systems	Adaptation	Transport	Project consortium under the lead of Austrian Federal Ministry for Sustainability and Tourism

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
72	PermaNET - Long-Term Permafrost Monitoring Network (Project ASP)	Project (focus data & scenarios)	Development of permafrost monitoring network and strategy for dealing with natural hazards and their consequences	Adaptation	Natural hazards	Project consortium under the lead of Provincia Autonoma di Bolzano-Alto Adige
73	RocktheAlps – Harmonized ROCKfall natural risk and protection forest mapping in the ALPine Space (Project ASP)	Project (focus data & scenarios)	Development of rockfall risk zoning tool and harmonised map of rockfall risk and protection forests	Adaptation	Natural hazards	Project consortium under the lead of National research institute of science and technology for environment and agriculture (Grenoble)
74	SEAP_Alps – Supporting local authorities in the implementation of Sustainable Energy Action Plans in the Alpine Space Area (Project ASP)	Project (focus strategy & measures)	Adapting the SEAPs concept of the EU Covenant of Mayors to the Alpine region, platform for knowledge transfer	Both	Energy	Project consortium under the lead of Città Metropolitana di Torino
75	SedAlp -Sediment management in Alpine basins: integrating sediment continuum, risk mitigation and hydropower (Project ASP)	Project (focus data & scenarios)	Mapping and monitoring sediment and woody debris processes in Alpine basin; predictive tools and strategies to manage sediment-related hazards	Both	Water	Project consortium under the lead of Austrian Federal Ministry for Sustainability and Tourism
76	SILMAS - Sustainable Instruments for Lakes Management in the Alpine Space (Project ASP)	Project (focus strategy & measures)	Range of tools for sustainable management of Alpine lakes + catchments; educational material	Adaptation	Water	Project consortium under the lead of Région Rhône-Alpes France

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
77	Links4Soils (Project ASP)	Project (focus strategy & measures)	Link and improve soil management strategies and approaches, tools and knowledge for Alpine soil protection <i>Completed in 2020 with several outputs.</i>	Adaptation	Soil	Project consortium under the lead of Tyrol
78	The SINFONIA project for Alpine Smart Cities (Project ASP)	Implementation measure mitigation	Initiative between Bolzano and Innsbruck to deploy large-scale integrated and scalable energy-solutions; achieve 40-50% primary energy savings. <i>Project ended 07/2020.</i>	Mitigation	Energy	Contracting parties and project consortium
79	BB-CLEAN - Strategic tools towards a sustainable use of biomass for low carbon domestic heating (Project ASP)	Implementation measure mitigation	Development of transnational policies for a sustainable use of biomass for domestic heating to minimise negative environmental impacts and improve a smart use of this resource in the Alpine Space	Mitigation	Energy	Project consortium under the lead of Catholic University of the Sacred heart Milano
80	SMART ALTITUDE - Alpine winter tourism territories demonstrating an integrated framework for a low-carbon, high-impact and resilient future (Project ASP)	Implementation measure mitigation	Low-carbon policy implementation in winter tourism territories, taking into account the needs of mitigation and adaptation	Both	Tourism	Project consortium under the lead of municipality Les Orres (France)
81	MELINDA - Mobility Ecosystem for Low-carbon and INnovative moDal shift in the Alps (Project ASP)	Implementation measure mitigation	Inducement of a behavioural change in mobility patterns in a bottom-up manner and support policy making on mobility, air quality and territorial development; thanks to a better integration of mobility data and real time monitoring of mobility behaviours and patterns during a test, the project partners will support the development of services for multimodality and modal shift	Mitigation	Transport	Project consortium under the lead of Insiel S.p.A.

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
82	SaMBA - Sustainable Mobility Behaviours in the Alpine Region (Project ASP)	Implementation measure mitigation	Promotion of mobility behaviour change by reducing the perceived gap between sustainable transport modes and private cars through reward/pricing policies that are equitable and directly related to the external costs of transport	Mitigation	Transport	Project consortium under the lead of Regione Piemonte
83	GreenRisk4ALPs - Development of ecosystem-based risk governance concepts with respect to natural hazards and climate impacts - from ecosystem-based solutions to integrated risk assessment, (Project ASP)	Planning measure adaptation	Development of ecosystem-based concepts to support risk governance with respect to natural hazards and climate impacts	Adaptation	Ecosystems & Biodiv.	Project consortium under the lead of Bundesforschungszentrum für Wald Österreich
<b>Projects and activities with national focus (with potential for transferability)</b>						
84	Klimafreundlicher Bergsport – Climate-friendly mountain sports (project, DAV)	Implementation measure mitigation	Awareness-raising campaign on climate change in the Alps with target group mountain sports; improve accessibility of Alps by public transport	Both	Tourism	Deutscher Alpenverein DAV
85	Bergsport mit Zukunft - Future-proof mountain sports (project, DAV)	Implementation measure mitigation	Follow-up project of Klimafreundlicher Bergsport; three thematic Work Packages: climate-friendly infrastructure of DAV, education for sustainable development, resource protection in mountaineering	Mitigation	Tourism	DAV
86	Improvement of the public transport for mountaineers in the Naturpark Karwendel (project DAV)	Implementation measure mitigation	Reduction of CO <sup>2</sup> footprint of hikers/mountaineers/climbers/bikers on their trips by choosing public transport; awareness raising	Mitigation	Tourism	DAV

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
87	ALPENHUMUS	Project (focus data & scenarios)	Project detecting effects of current climate change on C-storage in humus layers in the Alps <i>Completed in 2020</i> <i>Report as Book available, only in German:</i> <i>Alpenhumus als klimasensitiver C-Speicher und entscheidender Standortfaktor im Bergwald</i>	Mitigation	Soil	Germany (BMEL)
88	Klima-Toolbox Surselva	Planning measure adaptation	Toolbox for developing a plan of action, together with regional decision-makers	Adaptation	Crosscutting	CIPRA
89	Austrian Assessment Report 2014 (AAR14)	Publication (in-depth/scientific)	Austrian Assessment Report 2014, based on model of IPCC reports	Both	Crosscutting	UBA Austria
90	CC-Act: Awareness raising, capacity building and training on climate change adaptation at municipality level	Online info tools	Interactive online decision support tool for municipalities intended for joint application with multiplier agents	Adaptation	Crosscutting	UBA Austria
91	FAMOUS - Methods and tools for adaptation to climate change: Manual for provinces, cities and regions	Publication (focus information)	Support adaptation processes in Provinces and at municipal level; development of methods and tools	Adaptation	Crosscutting	UBA Austria
92	Good Practice Brochure: Our Municipalities in Climate Change	Publication (focus information)	Good practice brochure depicts 11 diverse examples of successful adaptation from different Austrian regions	Adaptation	Crosscutting	UBA Austria
93	klimaaktiv mobil - Mobility management for leisure and tourism	Implementation measure mitigation	Mobility management programme with focus on tourism; supports purchase of environmental-friendly vehicles and investments in cycling infrastructures	Mitigation	Transport	Austrian Federal Ministry for Sustainability and Tourism

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
94	Environmental Support Schemes (Austria)	Other	Environmental Support Schemes provides financial support for environmental projects	Both	Crosscutting	Austrian Federal Ministry for Sustainability and Tourism
95	Implementation Plan for Electric Mobility (Austria)	Planning measure mitigation	Measures and initiatives to encourage the development and use of electric vehicles	Mitigation	Transport	Austrian Federal Ministry for Sustainability and Tourism
96	Mobility Management and Fuel saving initiative (Austria)	Implementation measure mitigation	Development and implementation of projects for the promotion of sustainable mobility; training sessions for fuel-efficient driving	Mitigation	Transport	Austrian Federal Ministry for Sustainability and Tourism
97	Sustainable mobility in practice (Slovenia)	Implementation measure mitigation	Awareness raising and information project on sustainable mobility, since 2017 with focus on schools	Mitigation	Transport	Slovenia, Ministry for Environm. and spatial planning
98	Life ViVaCCAdapt (Adapting to the impacts of climate change in the Vipava Valley)	Implementation measure adaptation	Adaptation project for Vipava Valley with focus on pilot decision support system (DSS) for irrigation in order to rationalise water consumption	Adaptation	Mountain farming	Slovenia, Ministry for Environm. and spatial planning
99	Climate mitigation and adaptation support for municipalities in Tyrol	Publication (focus information)	Information folder for Tyrolean communities with facts and links to climate change and adaption to climate change	Both	Crosscutting	Tyrol
100	Course for Climate protection Consultants (Kommunaler Klimaschutzbeauftragter) (Tyrol)	Other	Training for municipal staff; participants get holistic and application-oriented information about climate protection	Mitigation	Energy	Tyrol
101	Strategy Tyrol 2050	Planning measure mitigation	Energy strategy: until 2050 the energy consumption in Tyrol is to be halved,	Mitigation	Energy	Tyrol



No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			share of renewable energies increased by 30%			
102	Liechtenstein Aktionsplan Klimabericht	Planning measure mitigation	Action Plan for implementation of Liechtenstein's climate strategy	Mitigation	Crosscutting	Liechtenstein
103	ACRP – Austrian Climate Research Programme	Other	The ACRP supports high quality research aimed at advancing the science of climate change, adaptation and (partly) mitigation in AT	Both	Crosscutting	Austrian Federal Ministry for Sustainability and Tourism
104	Klimawandelanpassungsmodellregionen - climate adaptation model regions	Implementation measure adaptation	Support for climate adaptation model regions, the participants become flagship regions for climate change adaptation	Adaptation	Crosscutting	Austrian Federal Ministry for Sustainability and Tourism
105	Austrian Climate and Energy Fund (KLI.EN)	Implementation measure mitigation	Fund to support the reduction of GHGs in Austria; focus on research and development	Mitigation	Energy	Austrian Federal Ministry for Sustainability and Tourism
106	Green Electricity Act 2012 and Feed-In tariff ordinance	Implementation measure mitigation	System of fixed feed-in tariffs for various forms of renewable electricity generation; 2012 amendment includes expansion targets for RES production until 2020	Mitigation	Energy	Austrian Federal Ministry for Sustainability and Tourism
107	Increased energy efficiency in buildings	Implementation measure mitigation	Different support programmes to improve energy efficiency in buildings	Mitigation	Energy	Austrian Federal Ministry for Sustainability and Tourism
108	Increased share of renewable energy for space heating (Austria)	Implementation measure mitigation	Different support programmes for exchanging heating systems with focus renewable heating	Mitigation	Energy	Austrian Federal Ministry for Sustainability and Tourism

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
109	Programme for rural development (Austria)	Implementation measure mitigation	The Austrian Agri-Environmental Programme 2014–2020 includes several measures designed to reduce GHG emissions from the agricultural sector	Mitigation	Mountain farming/ Agriculture	Austrian Federal Ministry for Sustainability and Tourism
110	Local adaptation to climate change in Alpine municipalities in Italy	Event	4 seminars with public officers and experts from local and subregional institutions to spread information on the Climate Action Plan of the Alpine Convention, based on local adaptation guidelines	Adaptation	Crosscutting	Italy
111	The Lombardy Region's "Document of Regional Adaptation to Climate Change" (Plan) - DARACC	Planning measure adaptation	Action Plan for Adaptation in Lombardia; governance tool to define priority fields for action	Adaptation	Crosscutting	Lombardy Region
112	The Cortina Charter (La Carta di Cortina)	Implementation measure mitigation	Charter to reduce environmental footprint of winter sport (events); implementation of specific measures, e.g. renovation of existing winter sport facilities and new public transport links	Mitigation	Tourism	
113	ADAMONT Project (France)	Planning measure adaptation	Partnership and integrated research action on adaptation in medium-mountain territory (near Grenoble); knowledge exchange and operational approach	Adaptation	Crosscutting	France
114	TEPCV Tarentaise Vanoise (France)	Planning measure mitigation	Regional strategy focusing on reduction of GHG; TEPCV = territory with positive energy and green growth	Mitigation	Crosscutting	Region Tarentaise Vanoise
115	Climate adaptation consulting for municipalities (Unterstützung von Gemeinden bei der Anpassung an den Klimawandel)	Implementation measure adaptation	Support of municipalities in developing risk and vulnerability analysis, to conduct stakeholder workshops and to develop	Adaptation	Crosscutting	Tyrol

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			specific adaptation measure; implementation of the project in 12 municipalities in Tyrol			
116	LIFE – ClimAct: Climate action campaign for low- income households (Doppelplus Tirol)	Implementation measure mitigation	Initiating change in everyday action of low-income households; The CO2 reduction will be reached with 60 volunteer counsellors called „energy and climate coaches“ and over 1000 coachings. <i>End of project 03/2021 – working on the follow-up project</i>	Mitigation	Energy	Tyrol
117	WAVE (2019)	Project (focus data & scenarios)	Atmospheric measurements	Adaptation	Other (monitoring)	Bavaria
118	AlpEnDAC I and II (2015, 2018)	Project (focus data & scenarios)	Development: Alpine Environmental Data Analysis Centre	Adaptation	Other (monitoring)	Bavaria
<b>Activities implemented at transnational level (2021-2022 stocktaking update)</b>						
119	YOALIN - Youth Alpine Interrail	Implementation measure mitigation	Yoalin enables 100 selected young people to travel sustainably across the Alps by public transport in the summer (2018, 2019, 2021) to create awareness for sustainable modes of transport.	Mitigation	Transport	CIPRA International
120	MoVe the Alps - Conference on cycling	Event	Conference dedicated to climate-friendly bike holidays in the Alps	Both	Transport	Switzerland
121	Climate Action in Alpine towns	Implementation measure mitigation	Pilot project on municipal climate action, connecting the expertise fo the Alpine Convention with the green priority of the Territorial Agenda.	Both	Municipal action	Switzerland

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
122	EUSALP Energy Observatory	Project (focus data & scenarios)	Establishment of an Alpine-wide body for monitoring of energy data, harmonisation of standards & methodologies; expert exchange;	Mitigation	Energy	EUSALP AG9
123	Stock-taking summary of permanent soil monitoring areas in the perimeter of the Alpine Convention	Planning measure adaptation	Summary of permanent soil monitoring areas in the perimeter of the Alpine Convention	Both	Soil	Working Group Soil
124	Adaptation at Altitude Programme: Strengthening Adaptation Knowledge, Interregional Learning and Exchange	Planning measure adaptation	This Programme aims at increasing knowledge on climate change and appropriate adaptation solutions in mountains, feeding into science-policy platforms for informed decision making.	Adaptation	Ecosystems & biodiv.	UNEP
125	Declaration of the XVI Alpine Conference on integrated and sustainable water management in the Alps	Other	Declaration addressing the protection/requalification of rivers, adaptation to climate change (floods and droughts), hydropower and governance in the field of water management.	Adaptation	Water	France
126	Alpine-wide conference on water resources and alpine rivers: adaptation to the challenges of climate change	Event	2-day conference organised by the French Presidency of the Alpine Convention, approx. 100 participants from 6 countries	Adaptation	Water	France
127	Young Academics Award 2020 – Emissions in the Alps: climate change and air quality, measurement and measures	Other	Award by the Alpine Convention to 5 Master theses on climate change issues	Both	Research & Development	Permanent Secretariat
128	Youth Parliament of the Alpine Convention (YPAC) – 2019 session on Climate change	Event	"Parliamentary exercise by 10 highschools from 7 Alpine countries	Both	Crosscutting	Permanent Secretariat

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			Outputs: 9 resolutions (demands) from the youth to decision-makers"			
129	Report on Climate-friendly and climate-resilient Mountain Agriculture and Forestry in operationalization of the Alpine Climate Target System	Publication (focus policy)	Report of WG Mountain Agriculture & Forestry on the 2019-2020 mandate and how the activities contribute to the Alpine Climate Target System.	Both	Mountain agriculture & mountain forestry	WG Mountain Agriculture and Forestry
130	Green Economy Progress Report	Publication (focus policy)	Summary of current status and ongoing activities regarding the implementation of a Green Economy in the Alps. Recommendations on concrete measures to sharpen the profile of an Alpine Green Economy.	Mitigation	Crosscutting	Ad-hoc working group Green Economy
131	Report on Contingency Planning in the Area of Natural Hazards	Project (focus strategy & measures)	Comparative analysis of challenges, strengths and weaknesses between contingency planning and natural hazard management	Adaptation	Natural hazards	Natural hazards Working Group
132	Exhibition of natural hazard models and risk communication tools	Event	Joint workshop of EUSALP AG8 and PLANALP WG to implement knowledge transfer and exchange on good natural disaster risk reduction practices, including risk communication focusing on different social groups.	Adaptation	Natural hazards	Natural hazards Working Group
133	Report on the Economical and prudent use of soil in the Alps	Publication (in-depth/scientific)	Overview report on the use of soil in the Alps, key facts & figures, main challenges regarding prudent use of soil, possible solutions and the role of soil monitoring	Both	Soil	Working group Soil

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
134	Report Towards a modal shift of transalpine freight transit	Publication (in-depth/scientific)	Overview report on potential policy and infrastructural measures to improve modal shift, including proposals on intersectoral governance	Mitigation	Transport	Working Group Transport
135	Reduction of mobility demand and shift to environmentally sustainable modes: strategies and measures in the Alps	Publication (in-depth/scientific)	The report summarised the activities of WG Transport regarding the collection and good practice analysis on measures that reduce transport demand through transport saving spatial structures, new working solutions, pooling of shipments, regional distribution chains, etc.	Mitigation	Transport	Working Group Transport
136	Linking Alps Project (Project ASP)	Project (focus strategy & measures)	By using innovative tools and transnationally aligned strategies for linking information mobility service, the options for low carbon mobility will be increased, by offering seamless mobility chains for passenger.	Mitigation	Transport	Project consortium under the lead of Austria Tec
137	E-smart - Integrated e-mobility planning in the Alpine Space (Project ASP)	Project (focus strategy & measures)	Transnational project cooperation to develop an integrated approach to electric vehicle charging infrastructure planning and e-mobility services development, focus on Local Public Transport and Last-Mile Freight Logistics.	Mitigation	Transport	Project consortium under the lead of Ricerca sul Sistema Energetico
138	ALPTREES Sustainable use and management of non native trees in the alpine region	Project (focus strategy & measures)	Developing a transnational approach for dealing with the challenges in non-native tree species	Adaptation	Mountain forestry	Project consortium under the lead of

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
	(Project ASP)		management, taking into account positive impacts with respect to climate adaptation but also their risks for Alpine biodiversity and ecosystems.			Federal Research and Training Centre for Forests, Natural Hazards and Landscape (AT)
139	HEALPS 2 Healing Alps: Tourism based on natural health resources for the development of Alpine regions (Project ASP)	Project (focus strategy & measures)	Develop and improve framework conditions and tools for a better utilisation of Alpine-specific natural health resources for the development of innovative tourism products and service chains - taking into account challenges like climate change.	Adaptation	Tourism	Project consortium under the Paracelsus Medical University Salzburg
140	ALPGRIDS Increasing RES uptake through Microgrids in the Alps (Project ASP)	Project (focus strategy & measures)	ALPGRIDS aims at creating a transnational enabling environment to foster microgrid solutions, supporting in particular the creation of local energy communities.	Mitigation	Energy	Project consortium under the lead of Auvergne-Rhône-Alpes Energy Environment Agency
141	LUIGI Linking Urban and Inner-Alpine Green Infrastructure - Multifunctional Ecosystem Services for more liveable territories (Project ASP)	Project (focus strategy & measures)	Development of common approaches, tools, business models, awareness raising on the role of a green infrastructure network between mountain/rural and urban areas.	Adaptation	Ecosystems & biodiv.	Project consortium under the lead of Metropolitan City of Milan
142	ADO - Alpine Drought Observatory (Project ASP)	Project (focus data & scenarios)	The project ADO aims to create an online drought monitoring platform and develop policy implementation guidelines for proactive drought	Adaptation	Water	Project consortium under the lead of EURAC Research

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			management in the Alpine Space region.			
143	CHEERS Project	Project (focus strategy & measures)	The CHEERS project focuses on the provision of approaches and tools to salvage Alpine cultural assests affected by natural risks.	Adaptation	Natural hazards	Project consortium under the lead of ###
144	OpenSpaceAlps - Sustainable development of alpine open spaces by enhancing spatial planning governance	Project (focus strategy & measures)	Foster multi-level transnational spatial governance with the aim to maintain open spaces as part of alpine Green infrastructure.	Adaptation	Spatial planning	Project consortium under the lead of ###
145	Stocktaking on organic agriculture in the Alps and Developing organic agriculture scenarios for Alpine regions	Publication (focus policy)	In its mandate 2021-2022, the MAMF Working Group has launched a stocktaking on organic agriculture in the Alps. Based on this, organic agriculture scenarios for Alpine regions shall be developed.	Both	Mountain Agriculture	WG Mountain Agriculture and Forestry
146	Promotion of sustainable value chains in forestry and farming sectors	Publication (focus policy)	Study report to promote sustainable value chains in forestry and farming sectors by involving the relevant actors. A focus will be laid on linkages between mountain farming and forestry and urban centres. The objective will contribute to the implementation of the GEAP as well as to IP_Agr1 of the ACB.	Both	Mountain forests	WG Mountain Agriculture and Forestry
147	Alpine-wide concept for soil data harmonisation & monitoring	Publication (in-depth/scientific)	Development of Alpine-wide concept to coordinate- harmonise and simplify soil data collection within the Alps.	Both	Soil	WG Soil Protection
148	Potential of technologies for the promotion of sustainable passenger transport in the Alpine region	Publication (focus information)	Review of new technologies like hydrogen-powered trains and their potential contribution to sustainable transport in the Alps.	Mitigation	Transport	WG Transport



No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
149	Policies and measures/instruments for sustainable mobility in the Alpine Area	Publication (focus policy)	Review of policies, measures and instruments to support sustainable mobility in the Alps	Mitigation	Transport	WG Transport
150	Climate Hour	Event	Local climate-related events to showcase diverse climate activities and inspire local action, initiated by the Swiss Presidency.	Both	Ecosystems & biodiv.	Swiss Presidency
151	MoVe Inn Now	Event	MoVe INN now is an environmental education project with the aim to sensitise children and young people to the characteristics, state and importance of Alpine ecosystems and links it with climate-friendly mobility.	Both	Water	Swiss Presidency
152	White Paper "Forest fires in the Alps" of EUSALP AG8	Publication (focus policy)	White Paper of AG8 to provide a blueprint for the development of regional integrated forest fire management plans.	Adaptation	Mountain forests	EUSALP AG8
153	Study of Physical Natural Hazard Models and new prototype of interactive model	Project (focus data & scenarios)	Analysis of existing hazard models and assessment of risk communication tools & instruments. Based on this analysis, development of a new interactive physical hazard model and educational concepts.	Adaptation	Natural hazards	EUSALP AG8
154	Report on Land take in the Alpine region: the data perspective	Publication (in-depth/scientific)	Contribution to the implementation of Pathway IP_SP1, focusing on a common data source on land take in the Alpine countries.	Both	Spatial Planning	WG Spatial Planning and Sustainable Development

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
155	Collection of good practices for growth and shrinking strategies	Publication (focus information)	Contribution to the implementation of Pathway IP_SP1, focusing on a collection of good practices as starting point for further activities.	Both	Spatial Planning	WG Spatial Planning and Sustainable Development
156	Land saving targets in Alpine countries and regions - Status report	Publication (focus information)	Contribution to the implementation of Pathway IP_SP1 by providing a status report on land saving targets as basis for further activities.	Both	Spatial Planning	WG Spatial Planning and Sustainable Development
157	Workshop on soil functions and spatial planning in the Alps,	Event	Joint workshop of WG Soil Protection and WG Spatial Planning to address tools and processes that are needed to enable a fact-based decision making on soil functions and soil protection (29/30. March 2022)	Both	Soill	WG Spatial Planning and Sustainable Development & WG Soil Protection
<b>Activities implemented at national level (2021-2022 stocktaking update)</b>						
158	Climate & Air Energy Plan Monaco with Energy Transition Pact (Vers un Etat climatiquement neutre et économe en énergie)	Planning measure mitigation	Action Plan on climate mitigation measures as implemented by the Government of Monaco. Implementation through Energy Transition Pact which includes individuals, associations, entrepreneurs, institutions.	Both	Energy	Monaca
159	National Strategy on Biodiversity "Stratégie Nationale pour la Biodiversité"	Planning measure adaptation	National Strategy for Biodiversity to comply with requirements of the Convention on Biological Diversity. The strategy comprises 7 strategic orientations and is linked to both mitigation and adaptation.	Both	Ecosystems & biodiv	Monaco

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
160	Advisory program "Climate-fit Tyrol regions" (Beratungsprogramm „Klimafitte Tiroler Regionen“)"	Implementation measure adaptation	Together with interested regions / community associations, awareness of the effects of climate change is raised in the context of an information event, in order to subsequently work out measures for adaptation to climate change or for climate protection in a workshop with relevant actors in the region.	Adaptation	Crosscutting	The free advisory service is carried out by the project partners Klimabündnis, Energie Tirol and alpS.
161	Green Deal Olympia Region Seefeld	Implementation measure mitigation	Development of sustainable tourism strategy in the Seefeld Plateau region, in close collaboration with the municipalities. The tourism association sees itself here as a link and regional developer. Seefeld would like to act as a pilot region in the coming years to start a sustainable change in tourism in Tyrol.	Mitigation	Tourism	Seefeld region
162	Climate alliance companies program (Klimabündnis-Betriebe Programm)	Implementation measure mitigation	Advisory program for companies that want to join Climate alliance: KlimaCheck with inspection of the company and collection of all relevant data, evaluation of possible measures, joint definition of company-specific goals and measures to implement within next 5 years.	Mitigation	Crosscutting	Land of Tyrol

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
163	KlimaAlps Project	Implementation measure adaptation	Project focusing on education and awareness raising with respect to climate change adaptation: training of climate educators and set-up of "KlimaTopes" as places where climate change is already visible + traveling exhibition.	Adaptation	Crosscutting	Land of Tyrol
164	Bavarian Report 2021 on the Climate (Klima-Report Bayern 2021)"	Publication (focus information)	Report and further information & tools on Climate change impacts in Bavaria. A specific chapter deals with impacts and potential adaptation measures in the Alps.	Adaptation	Crosscutting	Climate-Centre, Bavarian Environmental Agency
165	Pilot Study Bavarian Climate Impact Maps	Planning measure adaptation	Development of a methodology for climate impact maps in Bavaria, combining the analysis of climate change effects and the sensitivity of regions towards climate change impacts. Identification of sensitive areas and typology.	Adaptation	Crosscutting	Climate-Centre, Bavarian Environmental Agency
166	Monitoring Permafrost Zugspitze Summit (Monitoring Permafrost Zugspitzgipfel)	Implementation measure adaptation	Installation of permanent measuring station for observation of temperatures in the permafrost at the peak of the Zugspitze	Adaptation	Soil	Geological Survey, Bavarian Environmental Agency
167	Educational trail about alpine soils	Implementation measure adaptation	Educational adventure trail about alpine soils in the Bavarian alps.	Mitigation	Soil	Bavarian Environment Agency
168	GOAL –Governance of local climate adaptation	Implementation measure adaptation	GOAL supports climate adaptation in small municipalities in Austria and the Alpine region. From analysis of	Adaptation	Municipal Action	Environment Agency Austria, Climate and

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			good practices (also in other countries) to policy recommendations.			Energy Fund Austria
169	Natural Hazard and Climate Change Check for Municipalities	Planning measure adaptation	Councillor tool and audit procedure in Austria to support local authorities in reviewing and enhancing their risk precaution measures.	Adaptation	Natural hazards	Cross-sector WG in Austria, mandated by the Conference of State Environment Ministers
170	Project Flood Knowledge	Planning measure adaptation	Developing a cross-border coordinated approach to better deal with flood-related natural hazards.	Adaptation	Natural hazards	Project in the frame of the Austrian-German Interreg Programme
171	RiKoST - Risk communication strategies	Implementation measure adaptation	Target-group oriented risk communication to improve resilience to natural hazards, focusing on cross-border risks.	Adaptation	Natural hazards	Regions South Tyrol and Carinthia, EURAC,
<b>Activities implemented at transnational level (2024 stocktaking update)</b>						
172	<i>Cervino Project (Interreg ASP, small-scale project)</i>	<i>Online info tools</i>	<i>Set-up of an online platform to facilitate exchange and visualisation of energy data within the Alpine territory.</i>	<i>Mitigation</i>	<i>Energy</i>	<i>Project consortium under the lead of Regione Liguria</i>
173	<i>Technical report on Renewable Energies in Alpine protected areas (ALPARC)</i>	<i>Publication (in-depth/scientific)</i>	<i>Survey to obtain information on status-quo and potential for RES in protected areas and conflicts that came up during project realisation.</i>	<i>Mitigation</i>	<i>Energy</i>	<i>ALPARC</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
174	<i>Bahn-zum-Berg/Zuugle</i>	<i>Online info tools</i>	<i>Online search platform that provides information on hiking tours in the Alps and how they can be reached by public transport.</i>	<i>Mitigation</i>	<i>Transport</i>	<i>Verein Bahn-zum-Berg</i>
175	<i>Booklet/Hiking guide with tours reachable by public transport</i>	<i>Publication (focus information)</i>	<i>Printed hiking guide with tours reachable by public transport</i>	<i>Mitigation</i>	<i>Transport</i>	<i>Protect our Winters with Bahn-zum-Berg</i>
176	<i>Amigo – Active commuter mobility</i>	<i>Implementation measure mitigation</i>	<i>Testing experimental approaches to promote sustainable commuter mobility.</i>	<i>Mitigation</i>	<i>Transport</i>	<i>Project consortium under the lead of the Energy Institute of Vorarlberg</i>
177	<i>RiKoSt: An enabling approach to risk communication</i>	<i>Planning measure adaptation</i>	<i>In a cross-border context, new approaches to risk communication are tested, considering social &amp; cultural circumstances and personal involvement of affected stakeholders.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>Project consortium under the lead of the Agency for Civil Protection of Bolzano - South Tyrol</i>
178	<i>AlpPlan network on green infrastructure</i>	<i>Other - Network</i>	<i>Network to foster exchange on spatial planning and the role of green infrastructures in the Alps.</i>	<i>Adaptation</i>	<i>Spatial planning</i>	<i>Network coordinated by the German Academy for Territorial Development in the Leibniz Association Academy (ARL)</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
179	<i>MultiBios</i>	<i>Project (focus strategy &amp; measures)</i>	<i>MultiBios aims to develop a better understanding of a holistic governance and management of multiple hydro-climatic risks to improve the social-ecological resilience of Biosphere Reserves</i>	<i>Adaptation</i>	<i>Ecosystems &amp; Biodiv.</i>	<i>Project consortium under the lead of CIPRA International</i>
180	<i>MountResilience EU</i>	<i>Project (focus strategy &amp; measures)</i>	<i>MountResilience will conceptualise, test, and scale up multi-level, multidimensional and re-applicable climate change adaptation and nature-based solutions for mountainous areas.</i>	<i>Adaptation</i>	<i>Crosscutting</i>	<i>Project consortium under the lead of UNIMONT</i>
181	<i>MountAdapt - Impacts of climate change on healthcare</i>	<i>Project (focus strategy &amp; measures)</i>	<i>The project focuses on the impacts of climate change on healthcare and on potential measures with synergies between the two fields of action.</i>	<i>Adaptation</i>	<i>Research &amp; Development</i>	<i>Project consortium under the lead of EUROQUALITY SAS (Paris)</i>
182	<i>ACB Permafrost webinar: "Permafrost thawing in the Alps: New insights on risks, monitoring &amp; hazard management"</i>	<i>Event</i>	<i>Webinar of the ACB to present latest scientific findings related to permafrost in the Alps.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>ACB</i>
183	<i>Ground:breaking - Improving soil, climate and biodiversity through desealing in urban and peri-urban areas of the Alps</i>	<i>Project (focus strategy &amp; measures)</i>	<i>This project highlights the effects of land unsealing and develops political recommendations. It includes implementation measures in four municipalities as well as awareness-raising measures.</i>	<i>Adaptation</i>	<i>Soil</i>	<i>CIPRA International</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
184	<i>speciAlps2</i>	<i>Project (focus strategy &amp; measures)</i>	<i>speciAlps 2 reconciles the natural treasures of the Alpine region in a compatible way with those seeking recreation in the Alps. In this way, tourism should be gently managed and contribute to the nature conservation of the Alps.</i>	<i>Mitigation</i>	<i>Tourism</i>	<i>CIPRA International</i>
185	<i>speciAlps Podcast</i>	<i>Other - Podcast</i>	<i>The speciAlps podcast series and a webinar delve into the topic of visitor guidance for a broad audience.</i>	<i>Mitigation</i>	<i>Tourism</i>	<i>CIPRA International</i>
186	<i>SteinReich</i>	<i>Implementation measure adaptation</i>	<i>In six pilot regions in the Alpine region, people create dry-stone walls and cairns at selected sites under guidance.</i>	<i>Adaptation</i>	<i>Ecosystems &amp; Biodiv.</i>	<i>CIPRA International</i>
187	<i>Green Deals for Municipalities</i>	<i>Project (focus strategy &amp; measures)</i>	<i>This project aims at empowering local initiatives to act more effectively on climate protection in a global context. Qualification measures in the field of adult education form the basis for this work.</i>	<i>Both</i>	<i>Municipal Action</i>	<i>CIPRA International</i>
188	<i>Alpine Climate Action</i>	<i>Event</i>	<i>In four online workshops, young adults learn about a range of political engagement – and how they can use it to campaign for climate protection.</i>	<i>Both</i>	<i>Crosscutting</i>	<i>CIPRA International</i>
189	<i>Alpine Climate Camps</i>	<i>Event</i>	<i>The project combines mountain sports and climate protection while encouraging young climate activists. In two camps, young people find new motivation for climate protection.</i>	<i>Both</i>	<i>Tourism</i>	<i>CIPRA International</i>



No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
190	<i>Re.Sources</i>	<i>Project (focus strategy &amp; measures)</i>	<i>The Re.sources project brings together young people from different Alpine countries to work on questions around involvement in environmental and climate protection activities.</i>	<i>Mitigation</i>	<i>Crosscutting</i>	<i>CIPRA International</i>
191	<i>Bon Appetit!</i>	<i>Event</i>	<i>During workshops and job shadowings, young people from the Alpine region dig into the earth, taste and process regional products and visit farms in their region.</i>	<i>Mitigation</i>	<i>Agriculture</i>	<i>CIPRA International</i>
192	<i>Alps2030</i>	<i>Other</i>	<i>Workshops and pilot activities to raise awareness and to engage young people to carry out local project with linkage to the SDGs.</i>	<i>Mitigation</i>	<i>Crosscutting</i>	<i>CIPRA International</i>
193	<i>UrbaBio</i>	<i>Planning measure adaptation</i>	<i>Representatives of Alpine Towns develop innovative solutions for participation in the planning and implementation process to improve urban green spaces.</i>	<i>Both</i>	<i>Municipal Action</i>	<i>CIPRA International</i>
194	<i>Tour des Villes</i>	<i>Other</i>	<i>Study trips for representatives of Alpine Towns to learn about innovative solutions for sustainable settlement development, with special focus on conversion sites.</i>	<i>Both</i>	<i>Municipal Action</i>	<i>CIPRA International</i>
195	<i>Climate Action in Alpine Towns</i>	<i>Implementation measure mitigation</i>	<i>Alpine towns implemented climate actions related to spatial planning and citizen participation.</i>	<i>Both</i>	<i>Municipal Action</i>	<i>CIPRA International, in the framework of the Swiss</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
						<i>Presidency of the Alpine Convention and the TA 2030.</i>
196	<i>X-RISK-CC – ‘How to adapt to changing weather eXtremes and associated compound RISks in the context of Climate Change</i>	<i>Project (focus strategy &amp; measures)</i>	<i>X-RISK-CC aims to support risk managers and policy makers in addressing the compound risks of climate change extremes (cascading impacts) by developing new knowledge, local risk management actions and transnational guidelines.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>Project consortium under the lead of EURAC (Interreg ASP)</i>
197	<i>Beyond the Expected: Dealing with the Case of Overload and Residual Risk of Natural Hazards in the Alpine Region</i>	<i>Publication (in-depth/scientific)</i>	<i>Assess the status quo of dealing with cases of overload and residual risk in the different Alpine countries and states regarding the natural hazards floods, torrential hazards, avalanches, rockfall and landslides.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>EUSALP AG8</i>
198	<i>CLISP-ALP – Climate-resilient spatial planning in the Alps</i>	<i>Publication (in-depth/scientific)</i>	<i>Study to analyse the status quo of connecting climate change adaptation and spatial planning (including an analysis on CC impacts and role of spatial planning)</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>EUSALP AG8</i>
199	<i>Mainstreaming Climate Change Adaptation &amp; Disaster Risk Reduction in the Alpine Macro-Region</i>	<i>Publication (in-depth/scientific)</i>	<i>Governance study on potentials for mainstreaming and scaling climate change adaptation and disaster risk reduction in the EUSALP countries.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>EUSALP AG8</i>
200	<i>AlpSenseRely</i>	<i>Project (focus data &amp; scenarios)</i>	<i>Study to analyse reliability and potential of early warning systems based on remote sensing.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>Study under the lead of the Techn. University of Munich</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
201	<i>Foundation of the "Research center and early warning system for alpine natural hazards"</i>	<i>Other (new research centre)</i>	<i>New Research centre at TUM that will provide an information service to monitor risks like landslides, rockfalls and other natural hazards.</i>	<i>Adaptation</i>	<i>Natural hazards</i>	<i>Techn. University of Munich</i>
202	<i>International Peatland Science Conference (18-21 September 2024 in Freising, DE)</i>	<i>Event</i>	<i>International Science Conference on Peatlands</i>	<i>Both</i>	<i>Ecosystems &amp; Biodiv.</i>	<i>Bavaria</i>
203	<i>ADAPTNOW – ADAPTation Capacity Strengthening for Highly Affected and Exposed Territories in the Alps NOW</i>	<i>Planning measure adaptation</i>	<i>This project works on strengthening adaptive capacities of Highly Affected and Exposed Territories through provision of tools and practices.</i>	<i>Adaptation</i>	<i>Crosscutting</i>	<i>Project consortium under the lead of Auvergne-Rhone-Alpes (Interreg ASP)</i>
204	<i>FRACTAL – Fostering green infrastructure in the Alps</i>	<i>Implementation measure adaptation</i>	<i>FRACTAL (as follow-up of LUIGI project), aims at standardising requirements to plan green infrastructures at municipal level.</i>	<i>Adaptation</i>	<i>Ecosystems &amp; Biodiv.</i>	<i>Project consortium under the lead of Free Univers. of Bolzano (Interreg ASP)</i>
205	<i>I-SWAMP – Integrated small wetlands of the Alps monitoring and protection</i>	<i>Implementation measure adaptation</i>	<i>Roll-out of a method for the conservation of small Alpine wetlands with an approach based on both science-based decision-making and responsabilisation of local communities.</i>	<i>Adaptation</i>	<i>Water</i>	<i>Project consortium under the lead of University of Padua (Interreg ASP)</i>
206	<i>MOSAIC – Managing protective forest facing climate change compound events</i>	<i>Implementation measure adaptation</i>	<i>MOSAIC focuses on hazard-resilient and sustainable protective forest management, which is essential for managing climate-related risks. Set-</i>	<i>Adaptation</i>	<i>Mountain Forests</i>	<i>Project consortium under the lead of INRAE (Interreg ASP)</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			<i>up an Alpine network of forest living labs.</i>			
207	<i>PlanToConnect – Mainstreaming ecological connectivity in spatial planning systems of the Alpine Space</i>	<i>Implementation measure adaptation</i>	<i>The PlanToConnect project partners will cooperate with stakeholders in pilot areas to develop and test an Alpine spatial planning strategy for ecological connectivity, and a capacity-building package for its implementation.</i>	<i>Adaptation</i>	<i>Ecosystems &amp; Biodiv.</i>	<i>Project consortium under the lead of Urban Planning Institute of the Republic of Slovenia</i>
208	<i>TranStat – Transitions to Sustainable Ski Tourism in the Alps of Tomorrow</i>	<i>Planning measure adaptation</i>	<i>The TranStat project aims to support co-constructed transition processes in mountain resorts, understood as ski resorts associated with their territory.</i>	<i>Adaptation</i>	<i>Tourism</i>	<i>Project consortium under the lead of INRAE</i>
209	<i>Multi-Annual Work Programme of the Alpine Conference 2023-2030</i>	<i>Other (Work Programme)</i>	<i>The MAP identifies climate change as one of the three priority areas for the activities of the Alpine Convention until 2030. It sets the strategic framework for all activities of the Alpine Convention.</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Developed under the Swiss Presidency, approved by Alpine Conference</i>
210	<i>Simplon Alliance Alpine Action Plan 2022</i>	<i>Other (Action Plan)</i>	<i>Joint action plan of the Alpine Convention and the Zurich Process to accelerate action in the fields of Alpine crossing freight transport, passenger transport and tourism mobility.</i>	<i>Mitigation</i>	<i>Transport</i>	<i>Developed under the Swiss Presidency, approved by Alpine Conference</i>
211	<i>Booklet "Closing the gap on climate action"</i>	<i>Publication (focus information)</i>	<i>This brochure provides guidance on the development of new "rope teams" for climate action, including</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Alpine Climate Board</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			<i>good practice examples in the four areas of mobility, housing, food and leisure/culture.</i>			
212	<i>Recommendations on climate change education</i>	<i>Publication (focus policy)</i>	<i>Recommendations on the importance of formal school systems in the frame of climate change education, based on a discussion in the Permanent Committee of the Alpine Conference, a large-scale conference and good practices.</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Slovenian Presidency of the Alpine Convention 2023-2024</i>
213	<i>Preserving moors in the Alps</i>	<i>Publication (focus policy)</i>	<i>Statement on the importance of moor protection in the Alps and best practice examples.</i>	<i>Both</i>	<i>Soil</i>	<i>WG Soil Protection</i>
214	<i>Climate Scenarios in Alpine Countries and Indications for Spatial Planning</i>	<i>Publication (in-depth/scientific)</i>	<i>Meta-analysis of climate scenarios for Alpine countries and conclusions on future spatial challenges related to them.</i>	<i>Adaptation</i>	<i>Spatial Planning</i>	<i>WG Spatial Planning and Sustainable Development</i>
215	<i>Overview of guidelines for municipalities for assessing and activating innerurban development potentials</i>	<i>Publication (focus information)</i>	<i>Analysis of existing documents to illustrate the availability of guidelines already exist and there is no deficit in knowledge, but in implementation.</i>	<i>Both</i>	<i>Spatial Planning</i>	<i>WG Spatial Planning and Sustainable Development</i>
216	<i>Knowledge transfer in risk communication</i>	<i>Implementation measure adaptation</i>	<i>PLANALP is identifying best practice examples for successful risk communication from all alpine countries addressing people living in areas affected by natural hazards.</i>	<i>Adaptation</i>	<i>Natura hazards</i>	<i>Natural Hazard Working Group (PLANALP)</i>
217	<i>Accelerating the electrification of road transport in the Alps</i>	<i>Publication (focus policy)</i>	<i>Report with recommendations, based on a stakeholder meeting and relating to ongoing work on the draft</i>	<i>Mitigation</i>	<i>Transport</i>	<i>WG Transport</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			<i>EU-AFIR (alternative fuels infrastructure regulation) regulation</i>			
218	<i>Implementation of the energy transition in transalpine logistics, measures and regulations”</i>	<i>Publication (focus information)</i>	<i>Overview of the current and future landscape of decarbonisation policies for freight transport in the Alpine countries and the EU</i>	<i>Mitigation</i>	<i>Transport</i>	<i>WG Transport</i>
219	<i>Assessment of the potential of combined transport for the modal shift in alpine crossing freight transport”</i>	<i>Publication (focus policy)</i>	<i>Report with recommendations, based on a stakeholder meeting</i>	<i>Mitigation</i>	<i>Transport</i>	<i>WG Transport</i>
220	<i>Beyond Snow</i>	<i>Implementation measure adaptation</i>	<i>BeyondSnow aims to increase the socio-ecological climate resilience of snow tourism destinations to enable them to retain or even increase their attractiveness for residents &amp; tourists.</i>	<i>Adaptation</i>	<i>Tourism</i>	<i>Project consortium under the lead of EURAC (Interreg ASP programme)</i>
221	<i>Energy Governance Booklet</i>	<i>Publication (focus information)</i>	<i>The booklet illustrates good practices and ongoing governance challenges to illustrate how the transition to renewable energies and energy efficiency requires the collaboration with other sectors.</i>	<i>Mitigation</i>	<i>Energy</i>	<i>Alpine Climate Board</i>
222	<i>Training "Engaging stakeholders for climate action: how to better consider “the human factor” and make use of positive narratives</i>	<i>Event</i>	<i>Training session with three parts to help members of the broader ACB community to better consider the "human factor" in their activities.</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Alpine Climate Board</i>
223	<i>Report on the State of the Alps No.9 "Alpine Towns"</i>	<i>Publication (in-depth/scientific)</i>	<i>The RSA 9 focused on the role of Alpine Towns for sustainable development in the Alps. Part 1 of</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Swiss Presidency of the Alpine</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			<i>the RSA 9 highlights some key indicators on how Alpine towns are affected by climate change. Part 2 with the scenario analysis highlights potential ways forward.</i>			<i>Convention 2021-2022</i>
224	<i>CLIMAERA</i>	<i>Project (focus strategy &amp; measures)</i>	<i>The objective of the CLIMAERA project is to prepare and make available useful tools for territorial planning policies on the issues of "Air Quality" and "Climate-Energy" with positive effects on the quality of life of the cross-border population</i>	<i>Mitigation</i>	<i>Spatial Planning</i>	<i>Project consortium under the lead of Regione Liguria (Interreg Alcotra programme)</i>
<b>Activities implemented at national level (2024 stocktaking update)</b>						
225	<i>Spatial Energy Planning in Styria, Vienna, Salzburg</i>	<i>Project (focus data &amp; scenarios)</i>	<i>Development of a planning tool for spatially optimised development of heat supply infrastructures. A digital HEATatlas provides cartographic layers on energy demand, energy supply infrastructures and RES potentials.</i>	<i>Mitigation</i>	<i>Energy</i>	<i>Project consortium including a large range of partners from Austria</i>
226	<i>Round table waterpower in Switzerland</i>	<i>Event</i>	<i>Participatory approach to define sites for hydropower development/ expansion in CH (expansion target for seasonal storage production of 2 TWh/a).</i>	<i>Both</i>	<i>Water</i>	<i>Switzerland, Federal Council</i>
227	<i>Climate-neutral agriculture Grisons</i>	<i>Implementation measure mitigation</i>	<i>The Canton of Grisons has set up a platform and pilot approach to enable small-scale farmers (with often limited capacities) to explore</i>	<i>Both</i>	<i>Mountain agriculture</i>	<i>Switzerland, Canton of Grisons</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			<i>climate-neutral (and resilient) practices.</i>			
228	<i>Climate-neutral tourism destinations in Switzerland</i>	<i>Implementation measure mitigation</i>	<i>Developing an approach for transforming whole tourism regions into climate-neutral destinations, including methodological aspects like CO<sub>2</sub>-footprint but also innovative communication approaches.</i>	<i>Mitigation</i>	<i>Tourism</i>	<i>Project consortium under the lead of University of Applied Sciences, Grisons</i>
229	<i>AMooRe – Austrian Moor Restoration</i>	<i>Implementation measure mitigation</i>	<i>AMooRe aims to initiate the implementation of the Austrian Moorland Strategy 2030+, on the one hand by directly implementing measures within the project, and on the other hand by developing further strategic foundations as well as action and decision-making mechanisms.</i>	<i>Mitigation</i>	<i>Ecosystems &amp; Biodiv.</i>	<i>Project consortium under the lead of Region Vorarlberg (EU Life programme)</i>
230	<i>Trata 2.1</i>	<i>Other</i>	<i>Study trip for Slovenian delegation to learn about sustainable commuter mobility models in the border triangle of CH-A-Li</i>	<i>Mitigation</i>	<i>Transport</i>	<i>CIPRA International</i>
231	<i>APCC Special Report Strukturen für ein klimafreundliches Leben ("Structures to enable climate-friendly living")</i>	<i>Publication (focus policy)</i>	<i>Scientific report (similar to IPCC approach) to analyse necessary framework conditions to better enable climate-friendly lifestyles.</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Climate Change Centre Austria</i>
232	<i>APCC Special Report Tourismus und Klimawandel (Tourism and climate change)</i>	<i>Publication (focus policy)</i>	<i>Detailed report that sheds light on the complex relationships between tourism and climate change for</i>	<i>Both</i>	<i>Tourism</i>	<i>Climate Change Centre Austria</i>



No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
			<i>Austria as important tourism destination.</i>			
233	<i>TRANSREAL: Policy Paper Regionale Transformationsagenturen (Regional transformation agencies)</i>	<i>Publication (focus policy)</i>	<i>Pilot activities and policy paper to explore the role of "regional transformation agencies" as governance institutions that act as change makers.</i>	<i>Both</i>	<i>Crosscutting</i>	<i>Project consortium involving Umweltbundesamt GmbH and Institute for Multi-level Governance and Development, University of Vienna</i>
234	<i>Klimaschutz und Anpassungspotenziale in Mooren Bayerns (Climate change mitigation and adaptation potentials in Bavarian moors – KliMoBay)</i>	<i>Project (focus data &amp; scenarios)</i>	<i>The KliMoBay project focuses on three main areas of peatland utilisation and protection.</i>	<i>Both</i>	<i>Soil</i>	<i>Project consortium under the lead of University for Applied Sciences Weihenstephan.</i>
235	<i>CARE4CLIMATE</i>	<i>Planning measure mitigation</i>	<i>Integrated project involving awareness-raising, education and training of key stakeholders, to support the implementation of measures to help Slovenia meet its greenhouse gas emission reduction targets by 2030.</i>	<i>Mitigation</i>	<i>Crosscutting</i>	<i>EU Life Project implemented by Slovenia</i>
236	<i>Improving the energy efficiency of mountain facilities (2017-2018)</i>	<i>Implementation measure mitigation</i>	<i>Refurbishment of mountain facilities/buildings, including capacity building and strengthening the cooperation of NGOs in the field of environmental protection.</i>	<i>Mitigation</i>	<i>Energy</i>	<i>German Alpine Club</i>

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
237	National “Climate protection strategy” of the German Alpine Club DAV	Implementation measure mitigation	The climate protection strategy of the DAV aims at climate neutrality by 2030. Measures will be implemented in the sections of the DAV, focusing on mobility, infrastructure, hut maintenance and courses.	Mitigation	Crosscutting	German Alpine Club
238	Moobly.de: Carpooling for mountain sports	Implementation measure mitigation	A new carpooling site with a special focus on destinations in the Alps for mountain sports has been launched by the travel agency of the DAV (Summit Club). The site facilitates carpooling to the courses and travels of the Summit Club, but is open for public and is now used for events of the alpine clubs.	Mitigation	Transport	German Alpine Club
239	F2C- Fondazione Cariplo for Climate program (2019 - 2024)	Implementation measure mitigation	Elaboration and implementation of Climate Transition Strategies in alpine territories on thematic projects enhancing mountain-specific assets (e.g. forests) in some areas of the Italian Alps.	Both	Crosscutting	Fondazione Cariplo
240	Decree on Supporting and Funding Renewable Energy Communities (2024-2025)	Implementation measure mitigation	A Ministerial Decree stimulates the set-up of Renewable Energy Communities (CER) and widespread self-consumption in Italy including in mountain areas: it foresees a non-repayable contribution and an incentive tariff.	Mitigation	Energy	Italy

No.	Name of activity	Type of activity	Description	Mitigation/ Adaptation	Thematic Focus	Implemented by
241	<i>Implementation project of the Budoia Charter for local adaptation to climate change</i>	<i>Implementation measure adaptation</i>	<i>The Budoia Charter for local adaptation to climate change in the Alps is a voluntary declaration for subregional administrations and communities committing them to enforce adaptation measures in a mountain context. The Charter diffusion was supported by an implementation project and a Manual for local use by Municipalities and other subregional communities.</i>	<i>Adaptation</i>	<i>Municipal Action</i>	<i>CIPRA Italy</i>
243	<i>RACES – Raising Awareness on Climate and Energy Saving</i>	<i>Project (focus strategy &amp; measures)</i>	<i>The project encourages the experimentation of sustainable lifestyles through the direct involvement of families. One of the pilot cities is Trento, in the Italian Alps.</i>	<i>Mitigation</i>	<i>Crosscutting</i>	<i>Project consortium under the lead of City of Florence</i>
244	<i>CLIMO Climate-Smart Forestry in Mountain Regions</i>	<i>Project (focus strategy &amp; measures)</i>	<i>CLIMO aims to translate the concept of Climate-Smart Agriculture (CSA) into the forestry sector.</i>	<i>Adaptation</i>	<i>Mountain Forests</i>	<i>Project coordinated by the European Cooperation in Science and Technology</i>