



New **E**nabling **V**isions and Tools for **E**nd-use**R**s and stakeholders thanks to a common **M**odeling app**R**oach towards a Climat**E** neutral and resilient society

D5.1 Report on review of polices, measures and initiatives

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Abbreviations and acronyms

Acronym	Description
A&M	Adaptation and Mitigation
AR6	Sixth Assessment Report
CS	Case Study
EU	European Union
GHG	Greenhouse gases
IAM	Integrated Assessment Model
ICT	Information Communication Technology
IPCC	Intergovernmental Panel on Climate Change
OECD	Organisation for Economic Co-operation and Development
PaMS	Policies and Measures
WILIAM	“Within limits” Integrated Assessment Model
WHO	World Health Organization
WP	Work Package

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Executive summary

This deliverable describes the work conducted during T5.1 (Review of mitigation and adaptation policies and measures across all relevant sectors and at different scales) of the Horizon Europe Project NEVERMORE. The aim of the task was to identify and extract a set of adaptation and mitigation measures, derived from the review of policy documents across different scales (EU/global, national and local) for the sectors: agriculture, forestry and fishing; biodiversity and natural heritage; energy; transport; tourism, leisure/cultural heritage; technology, information and communication; cities, urban planning and construction; finance/economy; industry and commerce; society; mining and quarrying. At EU/global scale, 85 documents (including strategies, plans, roadmaps, regulations, directives, guidelines, reports and more) were selected to be reviewed, while 42 at local scale. While EU/global documents covered all policy sectors, case study leaders selected documents that were relevant for the policy sectors identified as a priority at local scale. As represented in Figure 1, the outcome of the review was a list of policies, objectives, measures and targets which was revised and consolidated into a list of 116 measures that were then categorized by sector and linked to the original policy documents in which they were originally identified. These measures will be analysed and characterized within T5.3 and form the basis for the catalogue to be developed within T5.4.



Figure 1: schematic representation of the review process leading to the elaboration of a list of 116 policy measures.

1. Introduction

The deliverable D5.1 “Report on review of polices, measures and initiatives” illustrates the process applied to review climate change mitigation and adaptation policies from global to local level. Mitigation aims at reducing greenhouse gases (GHG) emissions from anthropogenic activities, while adaptation aims at improving the capacity of resilience and defence from climate change negative impacts, as well as taking advantage of new opportunities (Zhao et al., 2018).

The urgent need to work on climate neutrality was made clear by the Intergovernmental Panel on Climate Change (IPCC) that in 2018 published the Special Report on Global Warming of 1.5 °C, highlighting the substantial challenges necessary to keep global warming up to 1.5°C (IPCC, 2018). The combination and coherence of adaptation and mitigation (A&M) strategies through integrated and systemic approaches is essential, also accounting for different environmental and socio-economic co-benefits. Policy responses to climate change require cooperation at different scales, as well as cross-sectorial collaboration. An appropriate design of policies at all scales can significantly contribute to adaptation and mitigation by facilitating the pursuit of a climate resilient development pathway, while cross-sectorial policies have the capacity to save resources, sustain ecological restoration, increase social resilience, and foster collaboration and engagement between different stakeholders (IPCC, 2019).

In this context, this deliverable describes the process and the framework followed under Task 5.1 “Review of mitigation and adaptation policies and measures across all relevant sectors at different scales (from local to global level)”, which is the first step to meet the objectives of WP5 “Climate change mitigation and adaptation policies”. More specifically, this deliverable will present the work

done to identify and extract a set of A&M measures, derived from the review of policies across different scales (EU/global, national and local) and across all relevant sectors (i.e., agriculture, forestry and fishing; energy; water and waste; industry and commerce; technology, information and communication; finance and economy, tourism, etc.). The review included official European Union (EU) documents (such as strategies, plans, policies, roadmaps, regulations, guidelines, reports), documents from international organizations (such as the IPCC, the Organisation for Economic Co-operation and Development (OECD) and the World Health Organization (WHO)), and national or local documentation for the five NEVERMORE case study countries, with the involvement of stakeholders and end-users within the case studies.

The overall aim of WP5 is to develop a comprehensive catalogue of policies and measures (PaMs) including climate change mitigation and adaptation strategies. Therefore, the work done under Task 5.1 and presented in this deliverable was aimed at identifying an initial set of measures that will be then characterised and analysed according to specific criteria within Task 5.2 and Task 5.3, with the final objective of building a catalogue of PaMs (Task 5.4) to be modelled in the IAM activities in WP4, simulated at case study level (WP6) and included in the Nevermore visualisation toolkit (WP7).

2. Identification of policy documents

The first step was to identify and collect official EU/global, national, and local documents that included adaptation and mitigation measures, across all relevant sectors. The identified and selected official documents included a wide range of document types: policies, strategies, plans, roadmaps, regulations, guidelines, reports and laws. The list of policy sectors (hereafter, NEVERMORE sectors) to be covered was identified in alignment with WP4 and WP6, and included: agriculture, forestry and fishing; biodiversity and natural heritage; energy; transport; tourism, leisure/cultural heritage; technology, information and communication; cities, urban planning and construction; finance/economy; industry and commerce; society; mining and quarrying. All partners contributed and collaborated on this task, led by CMCC, each being in charge of collecting documents in their area of expertise. Relevant documentation at national and sub-national level for the NEVERMORE case study countries were identified and collected by the case study leaders within Task 6.1 (led by CARTIF).

This procedure allowed a comprehensive overview of A&M policies at different scales, that cover potential measures across different sectors to address climate change challenges in a holistic approach, i.e., incorporating socio-economic and environmental factors, together with lifestyle change and social transformation connected to climate change.

2.1. European and global scale

In total, more than 100 EU/Global documents covering all NEVERMORE sectors were identified, of which 85 were selected to be reviewed. From the initial documents, the ones connected to climate change were selected, and priority was given to the most recent strategies, plans, policies, roadmaps, regulations, guidelines and reports (i.e., outdated documents were discarded). The distribution of documents across NEVERMORE sectors is displayed in Table 1, and highlights differences in how climate change issues are addressed in the EU/Global policy framework. Several documents were related to only one of the NEVERMORE sectors, while other documents had a multi-sectorial approach (Table 1). For example, 16 documents were related to "Society (incl. Human health, wellbeing, migration and Education)", while "Water and waste" was only covered in connection with other NEVERMORE sectors. Policies related to "Mining and quarrying" are mostly of national competence, therefore only one document was identified at EU/Global level. The references of the identified and collected documents, with the full names and the links are presented in Annex I.

The collected documents were categorised based on the document type: policy, strategy, plan, roadmap, regulation, directive, guideline, report, and law, and were distributed across partners involved in the task based on their area of expertise. All the EU/Global documents reviewed constitute a large source of A&M measures that give an overview of the actions taken at EU/global level to fight climate change.

Table 1: Summary of the number of documents reviewed at EU/global level per NEVERMORE sector

NEVERMORE sector	N° of documents
All	5
Agriculture, forestry and fishing	9
Agriculture, forestry and fishing; Biodiversity and natural heritage	1
Agriculture, forestry and fishing; Energy (incl. Energy production and distribution-infrastructures); Transport; Finance and insurance	1
Agriculture, forestry and fishing; Water and waste (incl. Water treatment and distribution-infrastructures)	1
Biodiversity and natural heritage	7
Cities, urban planning and construction	10
Energy (incl. Energy production and distribution-infrastructures)	1
Energy (incl. Energy production and distribution-infrastructures); Transport; Cities, urban planning and construction; Agriculture, forestry and fishing	1
Energy (incl. Energy production and distribution-infrastructures); Transport; Cities, urban planning and construction; Agriculture, forestry and fishing; Water and waste (incl. Water treatment and distribution-infrastructures)	1
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	12
Mining and quarrying	1
Society (incl. Human health, wellbeing, migration and Education)	16
Tourism, Leisure /cultural heritage	12
Transport	7
Total	85

2.2. National and local scale

NEVERMORE includes five case studies, that represent different socio-ecological EU contexts and are challenged by different climate change impacts: CS1 - Island (Sitia, Crete Island - Greece), CS2 - Mountain region (Trentino region – Italy), CS3 - Boreal region (Norrbotten County - Sweden), CS4 - Mediterranean region (Murcia region - Spain) and CS5 - Wetland (Danube Delta - Romania). The characterization of the case studies will be presented in D6.1 (Report on NEVERMORE case studies characterization).

Each case study is led by a case study leader and supported by a technical partner of the consortium (case study supporter). Case study leaders were in charge of collecting and analysing policy documents at national and local level within Task 6.1 (case study characterization), in order to identify the most relevant sectors and the existing measures for climate change adaptation and mitigation.

As not to overload case study leaders, the activities of Task 5.1 at local scale were closely coordinated with and built upon Task 6.1. In total, 42 documents of National/local relevance were reviewed. The distribution of documents per relevant sector for each case study is displayed in Table 2.

Table 2: Summary of the number of documents reviewed at local level per NEVERMORE sector for each case study

Case study	NEVERMORE sector	N° of doc.
CS1 - Island (Sitia, Crete Island - Greece)	All	1
CS1 - Island (Sitia, Crete Island - Greece)	Cities, urban planning and construction	1
CS1 - Island (Sitia, Crete Island - Greece)	Energy (incl. Energy production and distribution-infrastructures)	1
CS1 - Island (Sitia, Crete Island - Greece)	Society (incl. Human health, wellbeing, migration and Education)	1
	Total	4
CS2 - Mountain region (Trentino region – Italy)	All	1
CS2 - Mountain region (Trentino region – Italy)	Energy (incl. Energy production and distribution-infrastructures)	3
CS2 - Mountain region (Trentino region – Italy)	Technology, Information and Communication	1
CS2 - Mountain region (Trentino region – Italy)	Tourism, Leisure /cultural heritage	2
CS2 - Mountain region (Trentino region – Italy)	Water and waste (incl. Water treatment and distribution-infrastructures)	1
	Total	4
CS3 - Boreal region (Norrbotten County - Sweden)	All	1
CS3 - Boreal region (Norrbotten County - Sweden)	Agriculture, forestry and fishing	6
CS3 - Boreal region (Norrbotten County - Sweden)	Biodiversity and natural heritage	3
CS3 - Boreal region (Norrbotten County - Sweden)	Energy (incl. Energy production and distribution-infrastructures)	2
CS3 - Boreal region (Norrbotten County - Sweden)	Mining and quarrying	2
CS3 - Boreal region (Norrbotten County - Sweden)	Society (incl. Human health, wellbeing, migration and Education)	1
CS3 - Boreal region (Norrbotten County - Sweden)	Transport	1
CS3 - Boreal region (Norrbotten County - Sweden)	Water and waste (incl. Water treatment and distribution-infrastructures)	1
	Total	17
CS4 - Mediterranean region (Murcia region - Spain)	All	3
CS4 - Mediterranean region (Murcia region – Spain)	Agriculture, forestry and fishing	1
CS4 - Mediterranean region (Murcia region – Spain)	Energy (incl. Energy production and distribution-infrastructures)	2
	Total	6
CS5 - Wetland (Danube Delta - Romania)	All	1
CS5 - Wetland (Danube Delta - Romania)	Energy (incl. Energy production and distribution-infrastructures)	2
CS5 - Wetland (Danube Delta - Romania)	Finance / Economy	1
CS5 - Wetland (Danube Delta - Romania)	Society (incl. Human health, wellbeing, migration and Education)	3
	Total	7
Total documents identified at local scale		42

2.2.1. Consultation with case study leaders

A strong engagement of local stakeholders is key for reaching the objectives of NEVERMORE. As part of the participatory process developed within the stakeholder engagement strategy (WP2), several of the planned consultations with case studies involve WP5. The first of these consultations took place in November/December 2022 and involved case study leaders. The consultation was planned in close collaboration with Task 2.4, with FBK leading all organisational and implementation aspects, and focused on the identification of the main challenges and priorities for each case study. The consultation took place in two online sessions; the first one on 25 November 2022 with CS3 - Boreal region, which served as a pilot, and the second one on 5 December 2022 with the remaining four case studies. During the second session, a plenary introduction was followed by separate sessions for each case study, led and coordinated by technical partners. Prior to the consultation, technical partners revised and collected information provided by case study leaders at the project kick-off meeting and within Task 6.1, including the relevant NEVERMORE sectors, the main challenges related to climate change, and the existing/needed policies. The online tool Jamboard (an interactive whiteboard developed by Google) was used during the consultation to brainstorm and collect information. An overview of the outcome of the consultation is provided in Annex II and in detail in deliverable D2.4 (Report on the activities with NEVERMORE stakeholders).

3. Review of policy documents

The next step leading to the development of a catalogue of adaptation and mitigation PaMs, was to review the selected documents and extract relevant information. Documents at EU/Global scale were assigned to different partners based on their expertise and the main sector of the document. To ensure consistency between WPs, several alignment meetings were conducted with WP4 (scenarios development and modelling) before starting the review process, to clarify key concepts and objectives.

3.1. Alignment on definitions

Since the catalogue of PaMs developed in WP5 should provide input to the modelling activities aimed at simulating different scenarios at local and EU/Global scales, a close collaboration was established with UVa (WP4 leader), who provided detailed information on the Integrated Assessment Modelling (IAM) approach used in WILIAM and on the key concepts to be adopted. A comprehensive description is provided in D4.1 (Report on coherent scenarios across scales design), while the review of documents and the extraction of PaMs was based on the following concepts:

- Policy: the overarching framework to achieve certain objectives, which sets the overarching frame for measures. E.g., "Renewable energy strategy"
- Objective: desired outcome of the policy, formulated in a general way. E.g., "Transition to renewable energy". One policy could have more than one objective.
- Measure: specific action to reach the desired target/objective. E.g., "Integration of solar energy in the urban environment". One policy could have several measures, and several measures could contribute to the same target/objective.
- Target: quantifiable intended effect of the measure. E.g., "32% of renewable energy of total energy by 2030".

3.2. Adaptation and mitigation policies and measures

Partners performing the review of documents to extract existing PaMs were asked to identify, for each document: policy, objectives, and measures. Based on the structure of WILIAM, as developed within the project LOCOMOTION (Luzzati et al., 2021), the main focus of the review was put onto measures, as the key elements for the elaboration and simulation of scenarios. Therefore, for each measure partners were further asked to provide: NEVERMORE sector, description (a concise and structured explanation of the measure, possibly derived by an official source - e.g., the document itself), target (if available), main scope (adaptation, mitigation), and type of measure (land management, value chain management, risk management, policy action, Other).

In total, 1408 measures were extracted from EU/Global documents, covering all NEVERMORE sectors and addressing specific sectorial and multi-sectorial challenges.

At local scale, case study leaders analysed the relevant selected documents following the approach proposed within Task 6.1. capitalizing on that effort, case study leaders (in collaboration with case study supporters) were asked to elaborate the information already extracted in alignment with the structure followed at EU/Global level. This led to the identification of >800 measures across all case studies.

This approach was aimed at ensuring consistency between WPs and across scales and allowed the development of a comprehensive list of measures (as detailed in section 4) which will set the basis for the PaMs catalogue (Task 5.4).

4. List of adaptation and mitigation policies and measures

The level of detail at which measures should be formulated and then characterized was discussed and agreed with WP4, as to align with modelling requirements while not losing relevant information.

Starting from the EU/Global scale, all measures were revised by CMCC with the aim of grouping them into a more concise and coherent list, which was then integrated with measures identified at the local level. The following steps were followed:

1. All EU/Global measures were revised based on the sector indicated by the partner who extracted them;
2. Measures that were similar based on the description provided were aggregated (e.g., using a unique terminology to express the same concept);
3. The degree of detail provided in the formulation of the measures followed the logic:
 - a) If a measure was related to one of the sectors in use, it was categorized underneath that sector and the specific application was indicated.
 - b) If a measure was not related to one specific sector, but was relevant for more, it was categorized as cross-sectoral (i.e., categorized underneath all relevant sectors).

Examples:

- The measure "Financial incentives" is related to the sector Finance/Economy. This measure can be found underneath that main sector, with the specific application: "Financial incentives for building renovation", "Financial incentives for GHG emissions reduction", etc.
- The measure "Cooperation, knowledge exchange and innovation" is cross-sectoral, and it can be found underneath each of the relevant sectors.

4. The list of consolidated measures obtained following the steps 1-3 was compared with measures identified at case study level. Measures that were not already represented in the list were included.

This process led to the identification of 116 consolidated measures (hereafter, measures) that were then categorized by sector (section 4.1) and linked to the original policy documents in which they were originally identified (section 4.2). The full list of measures with their description is provided in Annex III.

4.1. Measures by sector

In addition to providing a consolidated description for each of the measures (Annex III), relevant NEVERMORE sectors were identified. Measures were categorized following the approach described in step 3 of section 4, leading to cross-sectorial measures being represented under multiple sectors. Examples of measures and the related NEVERMORE sectors are presented in Table 3; the number of measures for each NEVERMORE sector can be found in Annex IV, while the full list of measures categorized by NEVERMORE sector is reported in Annex V.

Table 3: Examples of measures and the related NEVERMORE sectors

ID	Measure	NEVERMORE sector
2	Agrobiodiversity increase	Agriculture, forestry and fishing
6	Climate resilient infrastructure	Biodiversity and natural heritage
		Cities, urban planning and construction
		Energy (incl. Energy production and distribution-infrastructures)
		Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)
		Society (incl. Human health, wellbeing, migration and Education)
		Technology, Information and Communication
		Tourism, Leisure /cultural heritage
		Transport
10	Creation and management of protected areas	Biodiversity and natural heritage
14	Dietary change	Agriculture, forestry and fishing
		Society (incl. Human health, wellbeing, migration and Education)
24	Financial incentives for buildings renovation	Finance / Economy
26	Financial incentives for climate change adaptation and mitigation	Finance / Economy
29	Financial incentives for GHG emissions reduction	Finance / Economy
58	Improved reindeer husbandry	Agriculture, forestry and fishing
		Biodiversity and natural heritage
		Cities, urban planning and construction
		Mining and quarrying
60	Incentives for circular bio economy	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)
		Society (incl. Human health, wellbeing, migration and Education)

69	Increased energy efficiency	Tourism, Leisure /cultural heritage
		Agriculture, forestry and fishing
		Cities, urban planning and construction
		Energy (incl. Energy production and distribution-infrastructures)
		Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)
		Mining and quarrying
		Technology, Information and Communication
		Tourism, Leisure /cultural heritage
111	Taxation on emissions and environmental damages	Transport
		Cities, urban planning and construction
		Energy (incl. Energy production and distribution-infrastructures)
		Finance / Economy
		Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)
		Mining and quarrying
		Tourism, Leisure /cultural heritage
Transport		

4.2. Relevance of measures at different scales

The final list of measures was developed accounting for both EU/Global and local scales, as described in step 4 of section 4. Since local measures were extracted by case study leaders from selected policy documents dealing with relevant NEVERMORE sectors, not all consolidated measures were found to be relevant at all scales and for all case studies. This was assessed based on the occurrence of each measure within policy documents at EU/Global and local scales (considering each case study separately). This exercise will serve not only to identify measures that are currently envisaged and prioritized at case study level, but also the gaps and the potential new measures that could be implemented. Examples of measures and their relevance at different scales is reported in Table 4, while the full list of measures with the documents in which they were identified is reported in Annex V.

Table 4: Examples of measures in relation to EU/Global and local scales. An x indicates that the measure was identified within the documents revised at that scale

ID	Measure	EU/Global	CS1	CS2	CS3	CS4	CS5
2	Agrobiodiversity increase	x		x		x	
7	Climate resilient ski resorts			x	x		x
49	Forest protection/restoration	x	x	x	x	x	x
51	High nature value (HNV) farming	x					
58	Improved reindeer husbandry				x		
66	Incentives for sustainable agriculture	x			x	x	x

4.3. Next steps

The next step in the development of a catalogue of adaptation and mitigation PaMs is the analysis of the measures identified within this task, as to characterize them in terms of scope (adaptation, mitigation), type of measure (land management, value chain management, risk management, policy action, Other), and more, also considering the information already extracted from existing policy

documents. In addition, measures will be linked to targets and objectives, leading to the formulation of policies (matching with existing ones or newly formulated). All this will be done in close collaboration with other relevant WPs, such as WP4.

Conclusions

The first activity conducted during T5.1 was the identification of policy documents related to climate change adaptation and mitigation, covering all NEVERMORE sectors. After a first screening, 85 documents were selected to be reviewed at EU/global level and 42 at local level. The review of policy documents allowed to identify and extract existing policies, objectives, measures and targets for climate change adaptation and mitigation across different sectors and scales. In alignment with the setup of WILIAM model (WP4), the review was focused on policy measures, intended as the key elements of policies to be simulated. The outcome of the review was a list of >2000 measures (EU/global + local), which was revised and consolidated into a list of 116 measures covering all NEVERMORE sectors and consistent across scales. These measures will be analysed and characterised within T5.3, to allow for the development of the catalogue of adaptation and mitigation policies and measures, which will be part of the NEVERMORE ICT toolkit and provide input to the modelling activities.

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Annex I: Document reviewed at EU/global level

Table 5: List of the documents reviewed at EU/global level

Name of the document	Acronym	Year	NEVERMORE sector	URL
Adapting to climate change in European cities: Towards smarter, swifter & more systemic action	ADAPT_CC	2022	Cities, urban planning and construction	https://www.covenantofmayors.eu/component/attachments/?task=download&id=1234
Climate change and health: the national policy overview in Europe	ADAPT_HEALTH_EEA	2022	Society (incl. Human health, wellbeing, migration and Education)	https://climate-adapt.eea.europa.eu/en/observatory/policy-context/national-policy-analysis-2022/national_policies_adaptation_health_analysis_eea_2022.pdf
European Missions: Adaption to Climate Change. Implementation Guide	ADAPT_PLAN	2021	Society (incl. Human health, wellbeing, migration and Education)	https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/climat_mission_implementation_plan_final_for_publication.pdf
Public Health Adaptation Strategies for Climate Change	ARC-X	-	Society (incl. Human health, wellbeing, migration and Education)	https://www.epa.gov/arc-x/public-health-adaptation-strategies-climate-change#source
CLIMATE ACTION PLAN 2.0 (for the Alps)	CAP_2.0	2020	All	https://alpineclimate2050.org/wp-content/uploads/2021/04/ClimateActionPlan2.0_en_fullversion_FINAL.pdf
Climate Change and Tourism Policy in OECD Countries	CC_OECD	2011	Tourism, Leisure /cultural heritage	https://read.oecd-ilibrary.org/industry-and-services/climate-change-and-tourism-policy-in-oecd-countries_9789264119598-en#page3
Climate Change adaptation mitigation in the Tourism Sector Frameworks, Tools and Practice	CCAM	2008	Tourism, Leisure /cultural heritage	https://wedocs.unep.org/handle/20.500.11822/9681
The Role of Industrial Emissions Within the EU: Trends and Policy	CLIM_POL_HUB	2016	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://climatepolicyinfohub.eu/role-industrial-emissions-within-eu-trends-and-policy.html
Climate Change Adaptation and Mitigation in the Tourism Sector: frameworks, tools and practices	CLIM_TOURISM_UN	2008	Tourism, Leisure /cultural heritage	https://www.unep.org/resources/report/climate-change-adaptation-and-mitigation-tourism-sector-frameworks-tools-and
The use of collaborative practices for climate	CP-CCA	2022	Tourism, Leisure /cultural heritage	https://www.mdpi.com/2076-3417/12/12/5835

Name of the document	Acronym	Year	NEVERMORE sector	URL
change Adaptation in the Tourism Sector until 2040				
Digitalisation for the Benefit of the Environment	EC DIG ENV	2020	Cities, urban planning and construction	https://www.consilium.europa.eu/en/press/press-releases/2020/12/17/digitalisation-for-the-benefit-of-the-environment-council-approves-conclusions/
Climate Change Impacts and Adaptation for Transport Networks and Nodes	ECE-TRANS	2020	Transport	https://unece.org/sites/default/files/2021-01/ECE-TRANS-283e_web.pdf
Adaptation to health effects of climate change in Europe	EC-SAM	2020	Society (incl. Human health, wellbeing, migration and Education)	https://research-and-innovation.ec.europa.eu/strategy/support-policy-making/scientific-support-eu-policies/group-chief-scientific-advisors/adaptation-health-effects-climate-change-europe_en
Adaptation of transport infrastructure and services	EEARepoNto82014	2014	Transport	https://adriadapt.eu/adaptation-options/adaptation-of-transport-infrastructure-and-services/
Tourism and climate change mitigation embracing the Paris agreement	ETC-CCR	2018	Tourism, Leisure /cultural heritage	https://etc-corporate.org/uploads/2019/03/ETC-Climate-Change-Report_FINAL.pdf
EU Emission Trading System Handbook	ETS_Handbook	2015	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://ec.europa.eu/clima/eu-action/eu-emissions-trading-system-eu-ets_en
"Towards the Implementation of an EU Strategy for Technology Infrastructures. Insights for the implementation of the ERA Policy Agenda."	EU_TECH_STRAT	2022	Cities, urban planning and construction	https://op.europa.eu/en/publication-detail/-/publication/a047db95-7359-11ec-9136-01aa75ed71a1/language-en
EU Strategy on Adaptation to Climate Change	EU_ADPT	2021	Agriculture, forestry and fishing; Energy (incl. Energy production and distribution-infrastructures); Transport; Finance and insurance	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52021DC0082&from=EN
EU Biodiversity Strategy for 2030	EU_biodiv_strategy	2020	Biodiversity and natural heritage	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52020DC0380&from=EN

Name of the document	Acronym	Year	NEVERMORE sector	URL
"A sustainable bioeconomy for Europe: strengthening the connection between economy, society and the environment. Updated Bioeconomy Strategy"	EU_Bioeconomy_Strategy	2018	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://op.europa.eu/en/publication-detail/-/publication/edace3e3-e189-11e8-b690-01aa75ed71a1/language-en/format-PDF/source-149755478
The Birds Directive	EU_Birds_dir	1979	Biodiversity and natural heritage	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02009L0147-20190626
List of potential agricultural practices for EU CAP eco-schemes 2021	EU_CAP_FS	2021	Agriculture, forestry and fishing	https://agriculture.ec.europa.eu/common-agricultural-policy/cap-overview/new-cap-2023-27_en#documents
CAP strategic plan regulation	EU_CAP_REG	2021	Agriculture, forestry and fishing	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02021R2115-20220422
European care strategy	EU_Care_Strategy	2022	Society (incl. Human health, wellbeing, migration and Education)	https://ec.europa.eu/social/BlobServlet?docId=26014&langId=en
2030 climate and energy policy framework	EU_CEPF	2020	Energy (incl. Energy production and distribution-infrastructures); Transport; Cities, urban planning and construction; Agriculture, forestry and fishing; Water and waste (incl. Water treatment and distribution-infrastructures)	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52014DC0015
Common Fisheries Policy	EU_CFP	2014	Agriculture, forestry and fishing	https://eur-lex.europa.eu/EN/legal-content/summary/the-eu-s-common-fisheries-policy.html
EU Chemicals Strategy for Sustainability	EU_CHEM	2020	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://ec.europa.eu/environment/pdf/chemicals/2020/10/Strategy.pdf
A new Circular Economy Action Plan. For a cleaner and more competitive Europe.	EU_CIRC_EC	2020	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://environment.ec.europa.eu/strategy/circular-economy-action-plan_en
Proposed Mission: A Climate Resilient Europe. Prepare Europe for climate disruptions and	EU_CRE	2020	Society (incl. Human health, wellbeing, migration and Education)	https://research-and-innovation.ec.europa.eu/knowledge-publications-tools-and-data/publications/all-

Name of the document	Acronym	Year	NEVERMORE sector	URL
accelerate the transformation to a climate resilient and just Europe by 2030				publications/climate-resilient-europe_en
Proposal for a Regulation on deforestation-free products	EU_DEF	2021	Agriculture, forestry and fishing	https://ec.europa.eu/environment/publications/proposal-regulation-deforestation-free-products_en
Suggestion for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL establishing a framework for setting ecodesign requirements for sustainable products and repealing Directive 2009/125/EC	EU_ECO_PROD	2022	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://environment.ec.europa.eu/publications/proposal-ecodesign-sustainable-products-regulation_en
Energy Efficiency Directive	EU_EED	2018	Energy (incl. Energy production and distribution-infrastructures)	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32018L2002&from=EN
Energy performance of buildings directive	EU_EPDB	2018	Cities, urban planning and construction	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32018L0844&from=EN
Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814	EU_ETS_AMEND	2018	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2018.076.01.0003.01.ENG
Farm to Fork Strategy	EU_F2F	2020	Agriculture, forestry and fishing	https://ec.europa.eu/food/system/files/2020-05/f2f_action-plan_2020_strategy-info_en.pdf
Proposal for an EU FLEGT Action Plan	EU_FLEGT	2003	Agriculture, forestry and fishing	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52003DC0251
Blueprint for the EU Forest-based Industries	EU_FOR	2013	Agriculture, forestry and fishing	https://ec.europa.eu/docsroom/documents/5767?locale=it
Stepping up EU Action to Protect and Restore the World's Forests	EU_FOR_COMM	2019	Agriculture, forestry and fishing	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52019DC0352

Name of the document	Acronym	Year	NEVERMORE sector	URL
Forest Strategy for 2030	EU_FRST	2021	Agriculture, forestry and fishing	https://eur-lex.europa.eu/resource.html?uri=cellar:0d918e07-e610-11eb-a1a5-01aa75ed71a1.0001.02/DOC_1&format=PDF
Green Infrastructure (GI) — Enhancing Europe’s Natural Capital	EU_GI	2013	Biodiversity and natural heritage	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52013DC0249
The Habitats Directive	EU_hab_dir	1992	Biodiversity and natural heritage	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31992L0043&from=EN
Integrated coastal management and maritime spatial planning directive	EU_ICM	2013	Agriculture, forestry and fishing; Biodiversity and natural heritage	https://ec.europa.eu/environment/iczm/prop_iczm.htm
Social and environmental impacts of mining activities	EU_Mining	2022	Mining and quarrying	https://op.europa.eu/en/publication-detail/-/publication/0e559000-e79e-11ec-a534-01aa75ed71a1/language-en/format-PDF/source-279310069
Marine Strategy Framework Directive	EU_MSFD	2008	Agriculture, forestry and fishing; Water and waste (incl. Water treatment and distribution-infrastructures)	https://ec.europa.eu/environment/marine/eu-coast-and-marine-policy/marine-strategy-framework-directive/index_en.htm
Proposal for a Regulation of the European Parliament and of the Council on nature restoration	EU_NAT_RE S	2022	Biodiversity and natural heritage	https://environment.ec.europa.eu/publications/nature-restoration-law_en
The update of Nationally Determined Contribution of the European Union and its Member States	EU_NDC_NE W	2020	All	https://www.consilium.europa.eu/en/press/press-releases/2020/12/18/paris-agreement-council-transmits-ndc-submission-on-behalf-of-eu-and-member-states/
Public health and climate change adaptation policies in the European Union_final report	EU_Public_Health	2018	Society (incl. Human health, wellbeing, migration and Education)	https://www.who.int/europe/publications/i/item/WHO-EURO-2018-2986-42744-59626
Renewable Energy Directive	EU_RED	2021	Energy (incl. Energy production and distribution-infrastructures); Transport; Cities, urban planning and	https://eur-lex.europa.eu/resource.html?uri=cellar:dbb7eb9c-e575-11eb-a1a5-01aa75ed71a1.0001.02/DOC_1&format=PDF

Name of the document	Acronym	Year	NEVERMORE sector	URL
			construction; Agriculture, forestry and fishing	
Regulation on Invasive Alien Species	EU_REG_IAS	2014	Biodiversity and natural heritage	https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1417443504720&uri=CELEX:32014R1143
European Resilience Management Guideline	EU_RESIL	2018	Cities, urban planning and construction	https://smr-project.eu/fileadmin/user_upload/Documents/Resources/WP_5/D5.9.SMR_European_Resilience_Management_Guideline.pdf
Renovation Wave for Europe - greening our buildings, creating jobs, improving lives	EU_RW4EU	2020	Cities, urban planning and construction	https://eur-lex.europa.eu/resource.html?uri=cellar:0638aa1d-0f02-11eb-bc07-01aa75ed71a1.0003.02/DOC_1&format=PDF
EU Soil Strategy for 2030	EU_SOIL	2021	ALL	https://ec.europa.eu/environment/publications/eu-soil-strategy-2030_en
European Strategy for Sustainable Tourism	EU_SST	2021	Tourism, Leisure /cultural heritage	https://www.europarl.europa.eu/doceo/document/TA-9-2021-0109_EN.pdf
Communication From The Commission To The European Parliament, The Council, The European Economic And Social Committee And The Committee Of The Regions: On making sustainable products the norm	EU_SUST_PROD	2022	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://mcusercontent.com/ea8d815aa84a99cfc5f5116ec/files/f1aa9d28-3deb-1468-19d5-9084d877df93/COM_2022_140_1_EN_ACT_part1_v8_1_.pdf
Communication From The Commission: Europe, the world's No 1 tourist destination – a new political framework for tourism in Europe	EU_TOURISM_NEWFRAME	2013	Tourism, Leisure /cultural heritage	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52010DC0352&from=EN
EU Action Plan 'Towards Zero Pollution for Air, Water and Soil'	EU_ZEROPOLL	2021	ALL	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52021DC0400&qid=1623311742827
EU4Health Programme	EU4_HP	2021	Society (incl. Human health, wellbeing, migration and Education)	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2021.107.01.0001.01.ENG

Name of the document	Acronym	Year	NEVERMORE sector	URL
The Glasgow Declaration: a commitment to a decade of tourism climate action	GLASGOW_DECL	2021	Tourism, Leisure /cultural heritage	https://www.unwto.org/the-glasgow-declaration-on-climate-action-in-tourism
UNOPS Infrastructure for climate action	INFRA_ACTION	2021	Cities, urban planning and construction	https://content.unops.org/publications/Infrastructure-for-climate-action_EN.pdf?mtime=20211008124956&focal=none
Summary for policymakers of the global assessment report on biodiversity and ecosystem services	IPBES_SFP	2019	Biodiversity and natural heritage	https://ipbes.net/document-library-catalogue/summary-policymakers-global-assessment-laid-out
Special report on climate change and land	IPCC SRCCL	2019	ALL	https://www.ipcc.ch/srccl/chapter/chapter-6/
Climate Change 2022 - Mitigation of Climate Change: Demand, services and social aspects of mitigation	IPCC_AR6_WGIII_Chapter_05	2022	Society (incl. Human health, wellbeing, migration and Education)	https://www.ipcc.ch/report/ar6/wg3/downloads/report/IPCC_AR6_WGIII_Chapter_05.pdf
Intergovernmental Panel on Climate Change: Climate Change 2022 - Mitigation of Climate Change: Industry	IPCC_AR6_WGIII_Chapter_11	2022	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://www.ipcc.ch/report/ar6/wg3/downloads/report/IPCC_AR6_WGIII_Chapter_11.pdf
Climate Change 2022 - Mitigation of Climate Change: Innovation, technology development and transfer	IPCC_AR6_WGIII_Chapter_16	2022	Cities, urban planning and construction	https://www.ipcc.ch/report/ar6/wg3/downloads/report/IPCC_AR6_WGIII_Chapter_16.pdf
Transport sector climate change isdb guidance note	ISDB	2019	Transport	https://www.isdb.org/publications/transport-sector-climate-change-isdb-guidance-note
Decarbonising transport Europe way forward	ITF-OECD	2021	Transport	https://www.itf-oecd.org/sites/default/files/docs/decarbonising-transport-europe-way-forward.pdf
Impacts of climate change on transport: A focus on airports, seaports and inland waterways	JRC108865	2018	Transport	https://publications.jrc.ec.europa.eu/repository/handle/JRC108865
Impacts of Climate Change on transport: a focus on road and rail transport infrastructures	JRC72217	2012	Transport	https://publications.jrc.ec.europa.eu/repository/handle/JRC72217
Mental health and the environment. How European policies can better reflect the impact of environmental degradation on people's	MENTAL_HEALTH_ENV	2020	Society (incl. Human health, wellbeing, migration and Education)	https://climate-adapt.eea.europa.eu/en/metadata/publications/mental-health-and-the-environment

Name of the document	Acronym	Year	NEVERMORE sector	URL
mental health and well-being				
A New Industrial Strategy for Europe	NEW_IND_STRAT	2020	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://knowledge4policy.ec.europa.eu/publication/communication-com2020102-new-industrial-strategy-europe_en
Third health and care adaptation report	NHS	2021	Society (incl. Human health, wellbeing, migration and Education)	https://www.england.nhs.uk/wp-content/uploads/2021/12/NHS-third-health-and-care-adaptation-report-2021.pdf
A Net Zero Roadmap for Travel & Tourism	NZRTT	2021	Tourism, Leisure /cultural heritage	https://wedocs.unep.org/xmlui/bitstream/handle/20.500.11822/37355/NZRTT.pdf
One Planet Vision for a Responsible Recovery of the Tourism Sector: Recommendations for the transition to a Green travel and tourism economy	ONE_PLANET	2021	Tourism, Leisure /cultural heritage	https://www.unwto.org/covid-19-oneplanet-responsible-recovery-initiatives#:~:text=The%20One%20Planet%20Vision%20calls,of%20people%2C%20planet%20and%20prosperity.
Policy Brief: COVID-19 and Transforming Tourism	PB_TOURISM	2020	Tourism, Leisure /cultural heritage	https://unsdg.un.org/sites/default/files/2020-08/sg_policy_brief_covid-19_tourism_august_2020.pdf
Climate-resilient infrastructure	POLICY_RESIL	2018	Cities, urban planning and construction	https://www.oecd.org/environment/cc/policy-perspectives-climate-resilient-infrastructure.pdf
Climate change adaptation in the health sector	PublicHealth Medicine	2018	Society (incl. Human health, wellbeing, migration and Education)	https://assets.gov.ie/38324/c0a68a0243724885a87bd8ab4d22d46f.pdf
Revision of the Industrial Emissions Directive	REV_IND_EM	2021	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12306-Industrial-emissions-EU-rules-updated_en
An SME Strategy for a sustainable and digital Europe	SME_STRAT	2020	Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52020DC0103&from=EN
Tourism and climate change: evaluating the extent of-policy integration	TCG	2020	Tourism, Leisure /cultural heritage	https://climatechoices.ca/wp-content/uploads/2021/03/Tourism-and-climate-change-evaluating-the-extent-of-policy-integration.pdf
Technical guidance on the climate proofing of infrastructure in the period 2021-2027	TECH_GUID	2021	Cities, urban planning and construction	https://op.europa.eu/en/publication-detail/-/publication/23a24b21-16d0-

Name of the document	Acronym	Year	NEVERMORE sector	URL
				11ec-b4fe-01aa75ed71a1/language-en
Transport Policies for Climate Change. The Transformative Role Transport Can Play in Mitigation and Adaptation	TransportICT	2016	Transport	https://openknowledge.worldbank.org/handle/10986/24960
UN Common Guidance on Helping Build Resilient Societies	UN_R_G	2021	Society (incl. Human health, wellbeing, migration and Education)	https://unsdg.un.org/resources/un-common-guidance-helping-build-resilient-societies
Climate change adaptation in the health sector using integrated water resources management tools	WHO_Health_Water	2016	Society (incl. Human health, wellbeing, migration and Education)	https://www.unescwa.org/sites/default/files/pubs/pdf/adaptation-climate-change-protect-human-health-english.pdf
Commission Notice - Technical guidance on the climate proofing of infrastructure in the period 2021-2027	WHO-EH-IN-RE-PA	2019	Society (incl. Human health, wellbeing, migration and Education)	https://apps.who.int/iris/bitstream/handle/10665/346223/WHO-EURO-2019-3505-43264-60635-eng.pdf?sequence=1&isAllowed=y
WHO guidance to protect health from climate change through health adaptation planning	WHO-HNAP	2014	Society (incl. Human health, wellbeing, migration and Education)	https://www.who.int/publications/i/item/9789241508001

Annex II: Main outcome of the consultation with case studies

Table 6: Outcome of the CS1 - Island (Sitia, Crete Island - Greece) consultation

Priority	Existing policies/measures	Gaps (potential new policies/measures)
Protect people against extreme events; protect economy (agriculture, tourism), fresh water - have policies in place	<p>National/regional strategies on how to deal with disasters</p> <p>Civil protection guidelines (National level)</p> <p>Power plant in the southern part moving away from fossil fuel</p> <p>Wind power could be used (currently 10% of energy in Crete), but land use could be a barrier - not well accepted by locals</p>	<p>Local strategies (municipality level; regional strategies don't account for differences in the territory)</p> <p>More types of crises should be included in the strategies</p> <p>Recent events have been extreme (floods in 2019 and 2022), extreme actions have to be taken</p> <p>Not only civil protection but also finance responsibility</p> <p>Address challenges in an integrated manner</p> <p>Windmills are not necessarily working optimally with a lot of wind, lack of acceptance from locals</p> <p>Energy distribution system is not able to store/redistribute all the energy (potentially) produced with wind</p> <p>Energy produced on an island - not possible to distribute it if there is no underwater network</p>
Gain knowledge on how to deal with issues	<p>National policies providing funds (after the major flood in 2022, the discussion has changed)</p> <p>Funds mostly coming as a reaction, to compensate for losses</p>	<p>There are no specific plans on "preventing", i.e. funding research to find solutions to prevent losses</p> <p>There needs to be principles and protocols to be followed</p> <p>There is no special commissioner in charge</p>

Table 7: Outcome of the CS2 - Mountain region (Trentino region – Italy) consultation

Priority	Existing policies/measures	Gaps (potential new policies/measures)
Tourist flow management along 12 months	<p>Trentino Marketing three-year planning - tourism throughout the 12 months.</p> <p>Sustainable mobility strategy: L.P 6/2017 + PEAP.</p> <p>Product diversification (not just skiing) - various strategies from Tourism Consortia.</p> <p>Various measures developed by local projects such as Dolomiti Future Lab (Paganella), Val di Sole Back To Future (under development).</p>	<p>Lack of cultural and organizational alignment between strategy and (concrete) operations/activities of the territory/community.</p> <p>Alliance, conglomerates between tourist territories.</p> <p>Sustainable mobility.</p>
Energy: efficiency, sustainability, safety	<p>Provincial Strategy for Sustainable Development.</p> <p>Provincial law n. 20/2012 on energy.</p> <p>Provincial law n.4/2022 on renewable energy.</p> <p>SEAP and SECAP Trentino.</p> <p>Provincial regulation on energy certification (2022).</p> <p>Provincial Program Agreement between Mountain Watersheds (BIM).</p> <p>Provincial Environmental Energy Plan (PEAP).</p> <p>Smart Specialization Strategy 2021-2027 for Trentino.</p> <p>Integrated National Plan for Energy and Climate (PNIEC).</p> <p>Italian Long-Term Strategy for the Reduction of Greenhouse Gas Emissions (to 2050).</p>	<p>Outline provincial policies at the local level</p> <p>Undergrounding and monitoring of electrical networks, energy storage, use of local sources, to increase energy security in the mountains.</p> <p>Accelerate implementation of sustainable mobility in mountain areas.</p> <p>Incentives energy audits and specific monitoring platforms for ski resorts.</p> <p>Start / launch energy communities.</p> <p>Better energy management of high-altitude structures (increase renewables).</p> <p>Encourage efficient and renewable technologies specific to ski resorts.</p> <p>Support innovative start-ups for the sector.</p>
Water management in various sectors (drinking, snow, energy, agriculture)	<p>Water protection plan (2022).</p> <p>Flood Risk Management Plan (2022).</p> <p>Infrastructural interventions on hydraulic networks (the PAT continuously finances the municipalities for these interventions).</p> <p>Provincial Strategy for Sustainable Development – SproSS.</p> <p>Program Agreement between the Autonomous Province of Trento and 4 Mountain Catchment Basins of Trentino.</p> <p>Law 97/2013 on nitrates of agricultural origin.</p>	<p>Multifunctional basins: for snowmaking, for agricultural use, for productive uses (existing measure to be extended).</p> <p>Equip mountain refuge with storage tanks for water and drinking water systems.</p> <p>Water use monitoring.</p>
Data to support the sustainable management of the territory	<p>Smart Specialization Strategy 2021-2027 for Trentino.</p> <p>Integrated National Plan for energy and climate.</p> <p>EU guide on data for tourism destinations.</p>	<p>Availability of integrated data.</p> <p>A platform for visualizing/reading data.</p>

Table 8: Outcome of the CS3 - Boreal region (Norrbotten County - Sweden) consultation.

Priority	Existing policies/measures	Gaps (potential new policies/measures)
Protect reindeer husbandry	Action plan for climate change adaptation by The Sami Parliament. Regional action plan for climate change adaptation.	Reindeer husbandry should be accounted into transport policies. Reindeer husbandry should be accounted in the mining industry. Land use planning should take reindeer husbandry into account. Inclusion of reindeer husbandry in national forest strategy. Reindeer husbandry should be included in national climate strategies.
Prevent loss of biodiversity (directly from climate change and indirectly from other sectors)	Specific plan for protected areas. Action plan for invasive species (on the national level). Agriculture and forestry plans and strategies that include biodiversity aspects to limit negative impacts. Nature conservation agreements: avoid management practices with negative impact (e.g., clearcutting), in addition to voluntary protection of some areas (care agreement).	Pre-existing activities (mining, industry, etc.) are allowed to continue with their business-as-usual activities until when they need new Environmental Impact Assessment. Conflict of interest: forestry /reindeer husbandry.

Table 9: Outcome of the CS4 - Mediterranean region (Murcia region - Spain) consultation

Priority	Existing policies/measures	Gaps (potential new policies/measures)
Fight against desertification	Ecological green corridors. Urban gardens. Firefighting. Hydroponics Combating water contamination. Energy saving - use of photovoltaic panels /use of biomass. Avoidance of nitrate use in agriculture LED street lighting. Society awareness.	Promote the permeabilization of urban land with (Sustainable Urban Drainage Systems (SUDS)). Promote new agricultural products requiring less water. Afforestation/reforestation. Climate resilient architecture. Promotion of nature-based solutions.
Optimizing the use of water	Desalination plants for both drinking water use and agriculture. Reuse of greywater - reinjection after purification. Hydroponics. Drip irrigation. Efforts to reduce overuse of aquifers.	Awareness campaigns on responsible water consumption. Separation of supply networks (irrigation and drinking water) at municipal level. At the building level, reuse of greywater for irrigation, refilling of cisterns.
Low-carbon economy	Emission trading of diffuse sectors and industries. Environmental impact statement. Increasing circular economy. Sustainable transports. Sustainable tourism.	Awareness campaigns.

	Promotion of energy efficiency.	
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Table 10: Outcome of the CS5 - Wetland (Danube Delta – Romania) consultation

Priority	Existing policies/measures	Gaps (potential new policies/measures)
Improved water management	<p>Measures for recover after flood (cooperation with the water management system for emergency situations: logistic and operative intervention).</p> <p>Water reuse, recycling, recovery, and reduced consumption, to keep water circulating for longer and reduce the burden on natural systems.</p> <p>Sustainable soil management practices in agriculture to reduce soil erosion (cover crops, etc..).</p>	<p>Measures to face drought (tools for precision water use in agriculture and other sectors).</p> <p>Improved floods prevention with hydro-technological infrastructure (dams).</p> <p>Research (genetic) to find species that can cope with increased drought periods.</p>
Sustainable fisheries	<p>Water reuse, recycling, recovery, and reduced consumption, to keep water circulating for longer and reduce the burden on natural systems.</p> <p>Policy that bans fishing and allow Sturgeon population regeneration, as they are highly affected by climate change (mainly by increased water temperatures).</p>	<p>Danube Delta is strongly over regulated and this sometimes slows the process to solve problems (es. too many coyotes, cormorants, etc).</p> <p>Sturgeon fishing: need of policy to allow population regeneration also in neighbouring countries e.g. Moldova and Ukraine.</p>
Promote sustainable tourism	<p>Bird-watching activities during flamingo migration period.</p> <p>Fishing festivals.</p> <p>Promotion of sustainable tourism, with a precise strategy - e.g. promotion of typical dishes (e.g. traditional fish soups) with gastronomic festivals.</p> <p>EU and national programmes to finance agro-tourism.</p> <p>Regulate the speed of the boats to avoid disturbance of fish population.</p>	<p>Seasonality of tourism: measures to extend tourism during the winter (ice fishing).</p> <p>Social/economic measures to attract human resources to work in the isolated area of the Danube Delta</p>

Annex III: Adaptation and mitigation measures identified based on the review of documents at different scales

Table 11: List of measures identified from the reviewed documents at both EU/Global and local level

ID	Measure	Description of measures
1	Active maintenance of assets	Active maintenance can increase the efficiency and extend the lifespan of assets, reducing emissions associated with new construction. In addition, it can increase resilience and ensure effective response to climate hazards. Periodic inspection, repair, replacement and redesign actions can ensure the correct functioning of system components, and reduce the need for system-wide replacement.
2	Agrobiodiversity increase	Use of non-improved, non-commercial seeds varieties, stored by local farmers as low-cost inputs, promoting conservation of local varieties and increasing local biodiversity
3	Agroforestry	Deliberate planting of trees in croplands and silvo-pastoral systems. It includes: establishment and maintenance of landscape features above conditionality, management and cutting plan of landscape features, establishment and maintenance of high-biodiversity silvo-pastoral systems
4	Air quality increase	Air quality standards more closely aligned with the WHO recommendations and that provisions on monitoring, modelling and air quality plans be strengthened. In parallel, introduce stricter requirements to tackle air pollution at source, such as from agriculture, industry, transport, buildings and energy.
5	Attract private funding for renovation of buildings	Direct private capital towards sustainable investments for renovation of buildings aimed at increasing energy efficiency
6	Climate resilient infrastructure	Promotion of green infrastructure, which accounts for context-specific climate conditions and environmental factors (as defined at the planning stage and informed by a feasibility study) to enhance resilience and reduce environmental impact. This would also contribute to long term investment returns.
7	Climate resilient ski resorts	Promotion of resilience of Ski resorts which may account measures as: excavation and felling, movement of pistes to north and higher altitudes, and sustainable snowmaking practices (e.g. snow farming techniques to conserve natural snow accumulated during propitious seasons).
8	Climate resilient spatial planning	Integrate mitigation and adaptation concerns into local spatial planning practices. It includes practices to reduce urban heat islands, such as urban forestry, cool roofs, and parking lot shade
9	Cooperation, knowledge exchange and innovation	This includes cooperation between international, national and local authorities to progress towards a common goal, as well as cooperation with/within the private sector to exchange knowledge and foster innovative processes.
10	Creation and management of protected areas	This includes cooperation between international, national and local authorities to progress towards a common goal, as well as cooperation with/within the private sector to exchange knowledge and foster innovative processes.

ID	Measure	Description of measures
11	Define challenges in rural and remote areas	Address the specific challenges in rural and remote locations, and analyse social and infrastructure aspects in rural areas and examine possible action in the short and medium-term
12	Deforestation reduction	Increase the transparency of supply chains, to ensure that the absence of deforestation and forest degradation and legality requirements are fulfilled.
13	Deploy local bioeconomies	Promote biobased innovations in the agriculture, forestry and fishing sector. Five pilot actions are envisaged: blue bioeconomy, inclusive bioeconomies in rural areas, urban bioeconomies, carbon farming, and living labs on circular food systems.
14	Dietary change	Shift to healthier and more sustainable human diets. A 'contract and converge' model involves a reduction in over-consumption (particularly of livestock products) in over-consuming populations, with increased consumption where minimum nutritional needs are not met
15	Digital solutions for precision agriculture	Tools to provide information on soil, environmental, crop and livestock parameters (e.g., sensors and satellites), to guide target management of agricultural systems
16	Digital solutions to enhance environmental protection, climate action, nature conservation and circularity	Tools to improve accuracy and accessibility of forecast information, tracing of resources, monitoring of impacts. Overall, this would improve the understanding of climate change adaptation and mitigation solutions and support decision making
17	Digital solutions to increase energy efficiency	Tools to monitor energy use so as to provide feedback on how to increase efficiency
18	Disaster risk management	Reduce the consequences of climate- and weather-related disasters and events. Approaches include education systems, hazard and risk maps, hydrological and meteorological monitoring, early warning communications systems and implementation of emergency plans.
19	Education and training	Improved training and educational support on environmental risks and transition to a sustainable and climate neutral future, to attract and train new workforce, addressing the mismatch between the knowledge delivered by education and the know-how and skills needed, including for women, in all areas to promote added value jobs and resilience.
20	Efficient tendering and procurement processes	Simplified and more accessible tendering and procurement processes for infrastructure projects
21	Ensure food security	Development of contingency plans for ensuring food supply and food security
22	Exposure to harmful substances reduction	Interventions on product standards to avoid exposure to harmful compounds in consumer products (such as toys, clothes and furniture) and food items.
23	Farm advisory services	Development of national advisory services for farmers to build capacity to reduce their environmental footprint. They should cover economic, environmental and social dimensions, taking into account existing farming practices, and deliver up-to-date technological and scientific information.

ID	Measure	Description of measures
24	Financial incentives for buildings renovation	EU funding programmes and instruments, national funds and private funds for renovation projects and rehabilitation of buildings (e.g., with double windows, energy certification).
25	Financial incentives for circular bioeconomy	EU funding programmes and instruments to support projects focusing on the circular economy.
26	Financial incentives for climate change adaptation and mitigation	Financing and budgets (tax relief, grants, matching funding, benefits) needed for both adaptation and mitigation efforts (e.g. impact assessment tools, environmental profit & loss supply chain analyses, technologies to capture methane by favouring it as a source of fuel, technologies that use biogas or methane from the waste sector as an energy source, protection of ecosystems, nature-based solutions for carbon removals, investing in human capital through sustainability training and development).
27	Financial incentives for digitalisation	Investments in digital solutions for sustainable transformation of economy and society.
28	Financial incentives for environmental sustainability	Investments to steer towards environmental sustainability (e.g. Green Budget Reform, which shifts taxes from labour to environmental taxation).
29	Financial incentives for GHG emissions reduction	Public and private funding programmes, instruments and technical assistance for capacity building and piloting of market-based tools for GHG emissions reduction (e.g. maintaining the balance in the EU ETS carbon market, penalties for non-compliance).
30	Financial incentives for integrated water management	Grants, subsidies, or tax incentives to install household systems and components, such as rainwater harvesting tanks or efficient appliances such as low-flush toilets or water-saving showerheads. This can improve water security for cities, communities and households with implications for health, poverty, and other development outcomes.
31	Financial incentives for renewable energy and efficiency	Investments to support the generation and use of electricity from renewable sources, the improvement of energy efficiency, energy storage and the modernisation of energy networks, including district heating pipelines and grids for electricity transmission.
32	Financial incentives for research and innovation	Financial incentives for training and research to meet objectives set out in climate plans.
33	Financial incentives for social sustainability	Public and private funding programmes and instruments to encourage service to smaller or rural communities, increasing community members' access to jobs and opportunities.
34	Financial incentives for soil protection/restoration	Funding opportunities for the protection, sustainable management and restoration of soils.
35	Financial incentives for sustainable food systems	Public and private funding programmes and instruments to reduce emissions and increase sustainability from food systems.
36	Financial incentives for sustainable forestry	Financing in projects to discourage illegal logging. In addition, financial institutions investing in forest sector operations should be encouraged to assess the risk attached to the social and environmental factors which could have a bearing on the viability of their investments.

ID	Measure	Description of measures
37	Financial incentives for sustainable infrastructure	Investments in infrastructure for decarbonization in an integrated way across sectors and economies: renewable energy development, electrification and power plant efficiencies, clean lighting, eco-efficient appliances and standards (buildings), transportation, methane capture and landfill reduction (waste), wastewater treatment and anaerobic digestion, as well as coastal and marine resources (water), early warning, measurement, and monitoring systems (digital communications), emergency and health infrastructure (buildings) and others.
38	Financial incentives for sustainable mobility practices	Investments in the transition to cleaner fuels, in low and zero-emission vehicles, whenever possible, in more accessible and sustainable modes of transport (e.g.: high-speed cross border services across Europe, strengthen urban nodes and public transport, support for hybrid and electric planes and synthetic fuels in aviation, support for autonomous vehicles in freight transport), including for disabled people and people with reduced mobility for all modes, and in support for mobility as a service and platforms that guarantee the interoperability and intermodality of ticketing systems to offer transnational and intermodal door-to-door tickets.
39	Financial incentives for sustainable tourism	EU financial policies and instruments for decarbonisation and sustainable development of the tourism sector.
40	Financial incentives for water quality increase	EU funding programmes and instruments, national funds and private funds for water quality increase.
41	Financial incentives to reduce impacts of climate hazards	Financial aids to communities affected by climate hazards and investments in constructions (e.g. dams and spillways) to help them build resilience in vulnerable situations (e.g. risk of flooding during periods of high flow).
42	Fire management	Improved fire management for sustainable forestry management, including wildfire prevention and prescribed burning.
43	Fish stock conservation and maintenance	Establish multiannual plans based on scientific, technical and economic advice, for conservation measures to restore and maintain fish stocks above levels capable of producing maximum sustainable yield (e.g. protected areas, catch limits and minimum sizes) and improve the competitiveness of the aquaculture industry.
44	Fishing activity regulated	Ensure compliance with the rules through effective fisheries control systems (fishing licence and the fishing authorisations), including the fight against illegal, unreported and unregulated fishing.
45	Food productivity increase	Increased output of food commodities per unit of input, e.g., per unit of land or water. It can be realised through many other interventions such as improved cropland, grazing land and livestock management.
46	Food waste reduction	This includes improved education/awareness on food waste, policies to eliminate ambiguous food labelling and include well-defined and clear date labelling systems for food, policies to support R&D to improve packaging to extend shelf life, charging according to how much food households throw away, reduce post-harvest losses due to poor storage

ID	Measure	Description of measures
		management by preserving and, where appropriate, redistributing the food to where it can be consumed immediately.
47	Forest degradation/deforestation monitoring and reporting	Assess the deforestation and forest degradation risk at country level and build on the already existing monitoring tools to enforce compliance with EU standards. Establish an EU Observatory on deforestation and forest degradation.
48	Forest management	Define a collection of practices affecting the growth of trees and the biomass removed, including improved regeneration and a better schedule, intensity and execution of operations, to maintain forest biodiversity, productivity, regeneration capacity, vitality and their potential to fulfil many functions. Provide support to community-based forest management, by helping to propagate lessons learned and develop monitoring and tracking systems of harvesting operations and track timber from point of harvest, through processing mills, ports and on to final markets.
49	Forest protection/restoration	Controlling the drivers of deforestation and forest degradation, also through establishing protected areas, improving law enforcement, forest governance and land tenure. Extend forest and tree coverage through active and sustainable re- and afforestation.
50	GHG emissions monitoring and reporting	Adopt GHG emissions calculators and define carbon inventories to get transparency on carbon footprint. When emissions cross upper threshold: monetise GHG emissions using the shadow cost of carbon.
51	High nature value (HNV) farming	Include: fallow land (biodiversity focus), extensive shepherding and grazing, semi-natural habitat creation/maintenance, low intensity cropland management.
52	Identifying current and potential risks	Climate-related risk assessment, including exposure and vulnerability to current and predicted climate conditions and extreme events. This should lead to planning and implementation of relevant adaptation measures, with regular monitoring and updating in relation to changing conditions. Consistency within supra-/national, regional, local strategies and plans for climate change adaptation should be ensured.
53	Impact of environmental conditions on human health reduction	Improving environmental conditions as to reduce negative impacts on human health (physical and mental). This includes improving air quality, reducing noise, increasing urban biodiversity etc.
54	Impact of extreme weather events on human health reduction	Reducing impacts of extreme events accounting for their effect on human health (physical and mental) in adaptation and emergency plans.
55	Improved cropland management	Collection of practices involving management of the crop, crop diversification, residue retention, nutrients, water and pest management to improve adaptation capacity and reduce negative impacts of agricultural systems. Many of the practices can increase soil organic carbon content.
56	Improved food processing and retailing	Practices related to greening supply chains, adopting specific sustainability instruments, adopting emission accounting

ID	Measure	Description of measures
		tools, implementing 'demand forecasting' strategies and supporting polycentric supply chain governance processes.
57	Improved livestock management	Collection of practices consisting of vegetation (grazing land) and animal management, including improved grazing, feed and dietary additives, breeding, herd management, emerging technologies and improved manure management.
58	Improved reindeer husbandry	Collection of practices to protect the reindeer husbandry that include consideration and protection of migration routes, protection of the natural environment and biological diversity.
59	Incentives for buildings renovation	Incentives for renovation projects and rehabilitation of buildings (e.g., with double windows, energy certification). These includes technical support and regulatory instruments
60	Incentives for circular bioeconomy	Incentives for the uptake of circular business models, such as reducing and reusing (user to user), repairing, refurbishing and remanufacturing (user to business) and recycling and repurposing (business to business). This includes programmes for awareness raising, cooperation, training and exchanges of best practices, as well as technical support and regulatory instruments
61	Incentives for climate change adaptation and mitigation	Incentives for the development and implementation of adaptation and mitigation solutions, including rapid response decision support tools and support local authorities in their policy actions.
62	Incentives for environmental sustainability	Incentives to increase environmental sustainability, such as regulatory instruments and awareness campaigns. These include the adoption of certifiable standards for firms, voluntary agreements such as labelling programmes, polluter-pays principle etc.
63	Incentives for GHG emissions reduction	Incentives to reduce GHG emissions across sectors, such as inclusive carbon market mechanisms, development of accessible new technologies, promotion of integrated approaches, setting targets and facilitating roadmaps at various levels.
64	Incentives for renewable energy and efficiency	Incentives for the generation and use of electricity from renewable sources, the improvement of energy efficiency, energy storage and the modernisation of energy networks, including district heating pipelines and grids for electricity transmission. These include regulatory instruments (e.g., energy codes that set building standards), grants for R&D, awareness campaigns etc.
65	Incentives for social sustainability	Incentives for social sustainability in the context of climate change adaptation and mitigation. Social sustainability can be achieved by identifying and incorporating needs of vulnerable people and local communities, prevent exploitation of vulnerable persons, promoting active participation of citizens in decision-making processes, enhancing access to quality healthcare and education, etc.
66	Incentives for sustainable agriculture	Incentives to adopt sustainable agricultural practices, including conditionality of subsidies (e.g., from CAP) to climate, environmental, biodiversity and social requirements, as well as support for adaptation measures in rural areas.

ID	Measure	Description of measures
67	Incentives for sustainable forestry	Incentives to adopt sustainable forestry practices and forest protection measures. These include supporting local authorities in developing and implementing policies, regulatory instruments and technical support to stakeholders.
68	Include endangered species in CITES	Include endangered timber species in CITES so they can only be imported into the EU when accompanied by an export permit from the country of origin and an EU import permit.
69	Increase energy efficiency	Improvement of energy efficiency, energy storage and energy networks, including district heating pipelines and grids for electricity transmission, also by careful spatial planning. Specific measures include shifting demand to better align with intermittent renewable energy availability and the installation of self-regulating devices in buildings.
70	Increase use of renewable energy	Increase the use of energy generated from renewable sources, such as solar, wind, geothermal and bioenergy.
71	Industrial emissions/pollution monitoring and reporting	Integrated monitoring of different types of pollution (e.g., chemicals, plastic, toxic materials) from industrial processes and products, to assess their health, environmental, economic and social impacts.
72	Industrial emissions/pollution regulated	Integrated monitoring of different types of pollution (e.g., chemicals, plastic, toxic materials) from industrial processes and products, to assess their health, environmental, economic and social impacts.
73	Information and awareness campaigns	Accessible and transparent information can increase public awareness of issues related to climate change, creating a demand-pull for sustainable practices across sectors and promoting sustainable behaviours.
74	Integrated approach to promote synergies	Adopt a cross-sectoral approach to addressing issues related to climate change, including the interaction with other stressors and risks. Socio-economic aspects, as well as the role of different actors and institutions should be taken into account. This would promote innovation and synergies, while minimizing trade-offs and fostering effective governance and policy in an inclusive, responsible, holistic way.
75	Integrated nutrient management	Collection of practices to ensure more sustainable application of nutrients (e.g., split fertilization), stimulate the markets for recovered nutrients, address nutrient pollution at source, and increase the sustainability of the livestock sector
76	Integrated waste management	Improved waste management, innovation in separate waste collection and recycling, limited use of landfilling, and incentives to change consumer behaviour. The actual quantity of waste generated and the amount of harmful substances it contains should be reduced as well.
77	Integrated water management	Collection of practices aimed at increasing water availability and use efficiency in different sectors. In agriculture, they include efficient irrigation systems, improved cropland management, agroforestry, and water harvesting and storage. Other practices include: waste water treatment, setting network standards on water pressure and system leakage, construction of desalination plants, etc.

ID	Measure	Description of measures
78	Livelihood diversification	Repurposing skills to diversify sources of livelihood as a tool to spread risk, when income sources are highly climate dependent.
79	Marine waters and coastal zones management	Establishment and implementation of maritime spatial plans and integrated coastal management strategies, including aspects related to climate change (e.g., risks, adaptation needs) and environmental issues, as to conserve marine ecosystems.
80	Marine waters and coastal zones monitoring and reporting	Assess and monitor the status of marine waters and coastal zones, determining a set of characteristics for good environmental status.
81	Mining activities monitoring and reporting	Better monitoring and environmental reporting procedures, such as using and enforcing SIA, cumulative impacts assessments and climate assessments, collaborative environmental monitoring.
82	Multi-stakeholder involvement	Engage different stakeholders in decision making, implementation and monitoring processes. Participatory processes should start in the early stages of planning, when the outcome can still be significantly affected.
83	Natural hazards reduction	Management natural hazards (e.g., floods, storm surges, droughts) and landslides is based on vegetation management (e.g., afforestation) and engineering works (e.g., dams, terraces, stabilisation and filling of erosion gullies).
84	Nature-based solutions	Solutions that are inspired and supported by nature, which are cost-effective, simultaneously provide environmental, social and economic benefits and help build resilience. Such solutions bring more, and more diverse, nature and natural features and processes into cities, landscapes and seascapes, through locally adapted, resource-efficient and systemic interventions.
85	New policy frameworks	Ensure that policies are in place to achieve the desired outcome. This includes the development and improvement of e.g., strategies, plans and roadmaps for specific sectors and cross-sectoral, ensuring consistency across scales.
86	Production and import of wood products regulated	Promote trade agreements that include provisions on the conservation and sustainable management of forests, not causing deforestation, engaging the major timber consumers and producers to restrict the volumes of illegally harvested timber entering their markets. Regulatory instruments could also be used to control imports of illegally harvested timber in the EU.
87	Promote cultural heritage and creative industries	Capitalising on the new services that tourism businesses and creative industries have been providing to destinations in times of crisis brings an opportunity to create stronger ties with local communities, integrate local wisdom and enhance local satisfaction with tourism.
88	Promote domestic tourism	Promote domestic tourism (not dependent on air transportation) and, above all, tourism practices in segments not massified during major tourism hotspots/attractions (creative tourism; experience tourism), with specific routes and detailed programming throughout the year.

ID	Measure	Description of measures
89	Reduce emissions from hospitality sector	Set of practices to reduce emissions from the hospitality sector. These include adjusting room temperature and illumination, improving the energy use efficiency of buildings, using energy from renewable sources, reducing the use of materials, recycling waste, reducing carbon footprint of restaurants (e.g., through food choices and reducing waste).
90	Reduce Hotspot Vulnerability	Targeted measures to reduce the impact of extreme events in vulnerable areas. These include sea walls (tides and cyclones), slope contouring and landscaping, watering points in wildlife areas (drought), etc.
91	Reduce impacts of climate hazards	Reduce impacts of unexpected shocks due to climate hazards or disasters so that social and economic services can still be accessed. This can be achieved through spatial planning frameworks, including vulnerability maps, to improve management of climate risks, reduce vulnerability and prevent the construction of new infrastructure in exposed areas; climate-related risk assessment to guide the adoption of target measures, such as the selection of adequate materials; improved weather forecasting capacity and early warning systems.
92	Research and innovation	Actions to promote and support research and innovation (e.g., funding, collaboration and mobility programmes) across sectors.
93	Resilient health systems	Build the capacity and resilience of health and social care services to anticipate and respond to the impacts of climate change through long-term adaptation planning. This can be achieved by conducting health vulnerability and adaptation assessments and planning with a cross-sectoral approach by governing bodies at different scales.
94	Restoration and reduced conversion of wetlands and peatlands	Limit drainage of wetlands and organic soils and restore managed and drained peatlands, in order to maintain and increase soil carbon stocks, minimise flooding and drought risks, and enhance biodiversity.
95	Restore and protect ecosystems	Restore and protect ecosystems, supporting their ability to sequester carbon, as well as safeguarding biodiversity, food security, and water supply. This can be achieved by, e.g., implementing voluntary and regulated biodiversity offsetting schemes, as well as effective monitoring and reporting.
96	Reuse and recycling of materials	Recovery, reuse and recycling of waste from different sources (e.g., buildings, electronics, transport), supported by innovative design approaches to increase the re-usability of materials, the content of recycled materials and prologue the durability of products, ensuring safe disposal of hazardous or toxic by-products.
97	Safe, sustainable and circular use of excavated soil	Investigate the streams of excavated soils generated, treated and reused in the EU, and assess the need and potential for legally binding provisions for a 'passport for excavated soil', including soil contaminants issues.
98	Set science-based emission targets	Setting meaningful, quantified and science-based targets and objectives provides transparency and accountability in developing national mitigation pathways. They provide a means to understand the scope of required transformation to

ID	Measure	Description of measures
		meet global climate goals while facilitating easier identification of additional mitigation opportunities.
99	Soil organic carbon content increase	Collection of practices including land-use change to an ecosystem with higher equilibrium soil carbon levels, management of the vegetation (e.g., improved varieties, rotations and cover crops, perennials), nutrient management and organic material input, reduced tillage intensity and residue retention and improved water management.
100	Soil protection/restoration	Set of practices that are able to maintain the soil in, or restore it to, a healthy condition yielding multiple benefits, including for water and air. These practices increase soil biodiversity, fertility and resilience which are needed for the vitality of rural areas. They include practices to retain moisture, planting bushes and trees that generate shade, preventing soil pollution and remediating contaminated soils, as well as sustainable spatial planning.
101	Support innovation and digitalisation	Develop and make use of innovative digital tools to facilitate knowledge acquisition and sharing, monitoring, predicting trends and planning, allowing for effective climate action and environmental protection across different sectors.
102	Sustainable food systems	Food systems can become more sustainable by adopting an integrated and cross-sectoral approach, including sustainable farming practices, use of energy (increased efficiency and reduced dependence from non-renewable sources) as well as processing, transportation, distribution and consumption.
103	Sustainable forest bioeconomy	Direct demand and supply of harvested wood for long-lived products, generated through sustainable practices, while ensuring that the use of biomass for energy does not have distortive effects on the biomass raw material market. A sustainable forest bioeconomy can also be achieved by promoting non-wood forest-based activities, including ecotourism, as well as increasing resource and energy efficiency of forest-based industries.
104	Sustainable infrastructure	Develop new infrastructure based on good practices and sustainability norms, adopting an integrated approach considering the performance of existing infrastructure, future needs and interconnected challenges, in accordance with long-term strategies for sustainable development and international commitments. This would allow enhancing co-benefits and managing negative trade-offs in relation to climate impacts throughout the infrastructure life-cycle, with continuous and proactive maintenance.
105	Sustainable maritime and coastal transportation	Set of practices to increase the sustainability of maritime and coastal transportation, from both adaptation and mitigation perspectives. These include the development of lightweight structures, small vessels and vessels with flat hulls in order to increase their bearing capacity when water levels become lower, continuous operation and use of coupled convoys to increase transportation volume, etc.
106	Sustainable mobility practices	Sustainable mobility can be achieved by prioritizing public transportation, cycling and walking, as well as further

ID	Measure	Description of measures
		developing and increasing the use of lightweight and electric vehicles, hydrogen cars, shared mobility tools.
107	Sustainable sourcing of materials	Ensure that goods are produced using sustainable materials, such as from low-impact agriculture, zero-deforestation supply chains as well as innovative materials with reduced environmental footprint.
108	Sustainable supply chains	Improved efficiency and sustainability across the supply chain for each product, including production, processing, transport and distribution. For example, through production processes (e.g., packaging) that increase the economic value and duration of products, as well as measures to reduce lifecycle emissions.
109	Sustainable tourists carrying capacity	Assess the carrying capacity of sensitive areas (urban and natural) and identify thresholds beyond which increased tourism may not be sustainable.
110	Taxation on emissions and environmental damages	Taxation processes that apply the polluter-pays principle, discouraging unsustainable practices and triggering innovation and systemic reduction of GHG emissions and pollution. (E.g., EU ETS).
111	Technical assistance for buildings renovation projects	Tailored advice to accompany homeowners or SMEs throughout the preparation and implementation of their renovation projects (e.g. Technical Support Instrument of the Recovery Plan, the EU City Facility and the Project Development Assistance Facility).
112	Transport emissions/pollution regulated	GHG emissions and pollution from the transport sector can be reduced by developing and implementing more sustainable systems, including redesigning (e.g., relocating or reorganising transport services), increasing capacity (e.g., redundancy), improving existing infrastructure and prioritizing transit-oriented development in growing urban areas. This can be achieved by using economic (e.g., taxation and incentives) and regulatory (e.g., rules on aviation fuels) instruments.
113	Touristic activity monitoring, reporting and certification	Sustainability of tourist activities can be assessed via certification schemes, based on recognized standard criteria. Good practices can be promoted by applying quality labels.
114	Urban environment quality increase	The quality of urban areas depends on levels of pollution (e.g., air, noise), access to open/green spaces, public safety, access to public services, active lifestyle options. Urban environment quality can be increased by climate-proof urban planning, that accounts for adaptation needs, as well as reducing emissions (e.g., from transport, buildings).
115	Use of pesticides reduction	The use of pesticides can be reduced by adopting an integrated pest management approach, which includes the use of buffer strips, mechanical weed control, pest-resistant crop varieties and species, and land lying fallow with species composition for biodiversity purpose.
116	Water quality increase	More stringent water quality standards, tackling pollutants of concern, including "new" pollutants such as microplastics and endocrine disruptors. These should address key sources of pollution, as well as water treatment, with regular monitoring and reporting.

Annex III: Distribution of adaptation and mitigation measures by sector

Table 12: Number of measures for each NEVERMORE sector

NEVERMORE sector	Number of measures
Agriculture, forestry and fishing	40
Biodiversity and natural heritage	12
Cities, urban planning and construction	14
Energy (incl. Energy production and distribution-infrastructures)	16
Finance / Economy	28
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	21
Mining and quarrying	14
Society (incl. Human health, wellbeing, migration and Education)	34
Technology, Information and Communication	32
Tourism, Leisure /cultural heritage	34
Transport	21
Water and waste (incl. Water treatment and distribution-infrastructures)	11

Annex IV: Adaptation and mitigation measures categorized by sector and scale

Table 13: List of measures per NEVERMORE sector in relation to EU/Global and local scales, with the policy documents in which each measure was identified

NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Agriculture, forestry and fishing	2	Agrobiodiversity increase	IPCC SRCCL		The Italian National Plan for adaptation to climate change		Strategic Plan for the Agrifood Sector of the Region of Murcia	
Agriculture, forestry and fishing	3	Agroforestry	EU_CAP_FS; IPCC SRCCL					
Agriculture, forestry and fishing	9	Cooperation, knowledge exchange and innovation	CAP 2.0; EU_CAP_REG; EU_CFP; EU_DEF; EU_FOR; EU_FOR_COMM; EU_FRST; EU_ICM; EU_MSFD	National climate change adaptation strategy + Crete Regional climate change adaptation plan		Regional plan for climate change adaptation; Norrbotten food strategy action plan 2022-2025; Action plan for climate adaptation by The Sami Parliament; Action plan Connected to the regional forestry program for Norrbotten County; National Forest strategy - Sweden	Strategic Plan for the Agrifood Sector of the Region of Murcia	
Agriculture, forestry and fishing	12	Deforestation reduction	EU_DEF					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Agriculture, forestry and fishing	14	Dietary change	EU_F2F; IPCC SRCCL					
Agriculture, forestry and fishing	18	Disaster risk management		National climate change adaptation strategy + Crete Regional climate change adaptation plan	The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation		
Agriculture, forestry and fishing	19	Education and training	EU_FRST			Regional plan for climate change adaptation; Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021; Norrbotten food strategy action plan 2022-2025; Action plan for climate adaptation by The Sami Parliament; Action plan Connected to the regional forestry program for Norrbotten County; National Forest strategy - Sweden	NAP	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Agriculture, forestry and fishing	20	Efficient tendering and procurement processes				Norrbotten food strategy action plan 2022-2025		
Agriculture, forestry and fishing	21	Ensure food security	EU_F2F			Norrbotten food strategy action plan 2022-2025	NAP	
Agriculture, forestry and fishing	23	Farm advisory services	EU_CAP_REG; EU_ZEROPOLL		The Italian National Plan for adaptation to climate change	Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021	Strategic Plan for the Agrifood Sector of the Region of Murcia	
Agriculture, forestry and fishing	42	Fire management	IPCC SRCLL	National climate change adaptation strategy + Crete Regional climate change adaptation plan; Greek National Climate and Energy Plan	The Italian Long-term Strategy for the reduction of greenhouse gas emissions		NAP	National Disaster Risk Management Plan
Agriculture, forestry and fishing	43	Fish stock conservation and maintenance	EU_CFP					National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Agriculture, forestry and fishing	44	Fishing activity regulated	EU_CFP				Strategic Plan for the Agrifood Sector of the Region of Murcia	-
Agriculture, forestry and fishing	45	Food productivity increase	IPCC SRCCL					
Agriculture, forestry and fishing	46	Food waste reduction	EU_CIRC_EC; EU_F2F; IPCC SRCCL			A national food strategy for Sweden		
Agriculture, forestry and fishing	46	Forest degradation/deforestation monitoring and reporting	EU_DEF; EU_FOR_COMM			Action plan Connected to the regional forestry program for Norrbotten County; National Forest strategy - Sweden		
Agriculture, forestry and fishing	48	Forest management	EU_FLEGT; EU_FRST; IPCC SRCCL	National climate change adaptation strategy + Crete Regional climate change adaptation plan	Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)	Regional plan for climate change adaptation; National Forest strategy - Sweden		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Agriculture, forestry and fishing	49	Forest protection/restoration	CAP 2.0; EU_FOR_COMM; EU_FRST; IPCC SRCCL	National climate change adaptation strategy + Crete Regional climate change adaptation	The Italian National Integrated Plan for Energy and Climate	Regional plan for climate change adaptation; Action plan Connected to the regional forestry	Energy Plan for the Region of Murcia 2016-2020	National strategy on adaptation to climate change for the period 2022-2030 in the



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
				plan; Greek National Climate and Energy Plan		program for Norrbotten County; National Forest strategy - Sweden		perspective of 2050 (SNASC)
Agriculture, forestry and fishing	51	High nature value (HNV) farming	EU_CAP_FS					
Agriculture, forestry and fishing	52	Identifying current and potential risks				Norrbotten food strategy action plan 2022-2025		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Agriculture, forestry and fishing	55	Improved cropland management	EU_CAP_FS; IPCC SRCCL	National climate change adaptation strategy + Crete Regional climate change adaptation plan	Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); The Italian National Plan for adaptation to climate change; The Italian Long-term Strategy for the reduction of greenhouse gas emissions	Regional plan for climate change adaptation; Norrbotten food strategy action plan 2022-2025	Strategic Plan for the Agrifood Sector of the Region of Murcia	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Agriculture, forestry and fishing	57	Improved livestock management	EU_CAP_FS; EU_F2F; IPCC SRCCL		The Italian Long-term Strategy for the reduction of greenhouse gas emissions	Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021	Strategic Plan for the Agrifood Sector of the Region of Murcia	
Agriculture, forestry and fishing	58	Improved reindeer husbandry				Regional plan for climate change adaptation; Action plan for climate adaptation by The Sami Parliament		
Agriculture, forestry and fishing	63	Incentives for GHG emissions reduction	EU_NDC_NEW					
Agriculture, forestry and fishing	66	Incentives for sustainable agriculture	EU_CAP_REG			Norrbotten food strategy action plan 2022-2025; Swedens strategy plan for agriculture policy 2023–2028	Strategic Plan for the Agrifood Sector of the Region of Murcia	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Agriculture, forestry and fishing	67	Incentives for sustainable forestry	EU_FOR_COM M; EU_FRST			Action plan Connected to the regional forestry program for Norrbotten County; Action plan Connected to The		



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						regional forestry program for Norrbotten County; National Forest strategy - Sweden		
Agriculture, forestry and fishing	69	Increase energy efficiency			The Italian National Integrated Plan for Energy and Climate	Regional Action plan för countryside program and ocean and fishery program 2014-2020, updated 2021; Norrbotten food strategy action plan 2022-2025	Strategic Plan for the Agrifood Sector of the Region of Murcia	-
Agriculture, forestry and fishing	75	Integrated nutrient management	EU_CIRC_EC; EU_F2F; EU_SOIL					
Agriculture, forestry and fishing	76	Integrated waste management					Strategic Plan for the Agrifood Sector of the Region of Murcia	
Agriculture, forestry and fishing	77	Integrated water management	IPCC SRCLL	National climate change adaptation strategy + Crete Regional climate change adaptation plan	The Italian National Plan for adaptation to climate change	Norrbotten food strategy action plan 2022-2025	Strategic Plan for the Agrifood Sector of the Region of Murcia	
Agriculture, forestry and fishing	79	Marine waters and coastal	EU_ICM; EU_MSFD	National climate change adaptation strategy + Crete		Regional plan for climate change adaptation		



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
		zones management		Regional climate change adaptation plan				
Agriculture, forestry and fishing	80	Marine waters and coastal zones monitoring and reporting	EU_MSFD	National climate change adaptation strategy + Crete Regional climate change adaptation plan				
Agriculture, forestry and fishing	85	New policy frameworks			The Italian National Plan for adaptation to climate change	Action plan for climate adaptation by The Sami Parliament; National Forest strategy - Sweden	NAP	
Agriculture, forestry and fishing	86	Production and import of wood products regulated	EU_FLEGT; EU_FOR; EU_FOR_COM M		The Italian National Plan for adaptation to climate change	Action plan Connected to the regional forestry program for Norrbotten County; National Forest strategy - Sweden	NAP	
Agriculture, forestry and fishing	92	Research and innovation	EU_FOR_COM M	National climate change adaptation strategy + Crete Regional climate change adaptation plan		Regional plan for climate change adaptation; Norrbotten food strategy action plan 2022-2025; Action plan for climate adaptation by The Sami Parliament;	Strategic Plan for the Agrifood Sector of the Region of Murcia	



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						Action plan for climate adaptation by The Sami Parliament; Action plan Connected to the regional forestry program for Norrbotten County; National Forest strategy - Sweden		
Agriculture, forestry and fishing	99	Soil organic carbon content increase	EU_CAP_FS; EU_F2F; EU_SOIL; IPCC SRCCL		The Italian National Integrated Plan for Energy and Climate	Swedens strategy plan for agriculture policy 2023–2028		
Agriculture, forestry and fishing	100	Soil protection/res toration	CAP 2.0; EU_SOIL; EU_ZEROPOLL		The Italian National Plan for adaptation to climate change	Regional Action plan för countryside program and ocean and fishery program 2014-2020, updated 2021		
Agriculture, forestry and fishing	102	Sustainable food systems	CAP 2.0; EU_Bioeconomy_Strategy; EU_CAP_REG; EU_F2F; EU_ZEROPOLL			Norrbotten food strategy action plan 2022-2025	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; Strategic Plan for the Agrifood Sector of the Region of Murcia	



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Agriculture, forestry and fishing	103	Sustainable forest bioeconomy	CAP 2.0; EU_FOR; EU_FRST			Action plan Connected to the regional forestry program for Norrbotten County; National Forest strategy - Sweden		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Agriculture, forestry and fishing	116	Use of pesticides reduction	EU_CAP_FS; EU_F2F; EU_ZEROPOLL			Regional plan for climate change adaptation		
Biodiversity and natural heritage	6	Climate resilient infrastructure	EU_GI			Regional plan for climate change adaptation		
Biodiversity and natural heritage	10	Creation and management of protected areas	EU_biodiv_strat ; EU_Bioeconomy_Strategy; EU_Birds_dir; EU_hab_dir; EU_Mining			Nature conservation agreement Guidelines for application	Regional Strategy for Mitigation and Adaptation to climate change	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Biodiversity and natural heritage	49	Forest protection/restoration	EU_NAT_RES			Action plan Connected to the regional forestry program for Norrbotten County	Regional Strategy for Mitigation and Adaptation to climate change	Romania's National Action Plan In The Field Of Energy Efficiency



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Biodiversity and natural heritage	52	Identifying current and potential risks	CAP 2.0		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)		NAP	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Biodiversity and natural heritage	58	Improved reindeer husbandry				Regional plan for climate change adaptation; Action plan for climate adaptation by The Sami Parliament		
Biodiversity and natural heritage	63	Incentives for GHG emissions reduction	EU_CIRC_EC					
Biodiversity and natural heritage	68	Include endangered species in CITES	EU_FLEGT					
Biodiversity and natural heritage	74	Integrated approach to promote synergies	CAP 2.0; EU_Bioeconomy_Strategy; EU_REG_IAS				NAP	



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Biodiversity and natural heritage	85	New policy frameworks	EU_ZEROPOLL			Action plan for climate adaptation by The Sami Parliament		
Biodiversity and natural heritage	92	Research and innovation	CAP 2.0					
Biodiversity and natural heritage	94	Restoration and reduced conversion of wetlands and peatlands	EU_NAT_RES; EU_SOIL; IPCC SRCCL	Greek National Climate and Energy Plan		Swedens strategy plan for agriculture policy 2023–2028; Plan for water shortage and drought 2021 - 2027 for the Bothnian Bay		
Biodiversity and natural heritage	95	Restore and protect ecosystems	EU_biodiv_strat ; EU_NAT_RES; IPBES_SFP		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)	Nature conservation agreement Guidelines for application; Program for conservation areas in Norrbotten county 2012–2016	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; NAP	Romania's National Action Plan In The Field Of Energy Efficiency
Cities, urban planning and construction	6	Climate resilient infrastructure	EU_RW4EU		Environmental Energy Plan of the Trentino Province; The Italian National Plan for adaptation to climate change		Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; NAP; Energy Plan for the Region of Murcia 2016-2020	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); Romania's National Action Plan In The Field Of Energy Efficiency



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Cities, urban planning and construction	8	Climate resilient spatial planning	CAP 2.0		Environmental Energy Plan of the Trentino Province	Regional plan for climate change adaptation; Norrbotten climate and energy strategy 2020–2024	NAP	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Cities, urban planning and construction	11	Define challenges in rural and remote areas	EU_RW4EU		The Italian National Plan for adaptation to climate change	Regional development strategy Norrbotten 2030		The national strategy regarding social inclusion and poverty reduction for the period 2022 – 2027
Cities, urban planning and construction	18	Disaster risk management		National climate change adaptation strategy + Crete Regional climate change adaptation plan	The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation		
Cities, urban planning and construction	52	Identifying current and potential risks	EU_RW4EU		The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation	Regional Strategy for Mitigation and Adaptation to climate change	
Cities, urban planning and construction	58	Improved reindeer husbandry				Regional plan for climate change adaptation		
Cities, urban planning and construction	59	Incentives for buildings renovation	EU_RW4EU		The Italian National Plan for adaptation to climate change; The Italian National	Norrbotten climate and energy strategy 2020–2024	Climate Change in the Region of Murcia: from the Paris Agreement to the	



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					Integrated Plan for Energy and Climate; The Italian Long-term Strategy for the reduction of greenhouse gas emissions		climate emergency; Energy Plan for the Region of Murcia 2016-2020	
Cities, urban planning and construction	69	Increase energy efficiency	EU_EPDB; EU_RW4EU		Environmental Energy Plan of the Trentino Province; The Italian National Integrated Plan for Energy and Climate		Regional Strategy for Mitigation and Adaptation to climate change; NECP; Energy Plan for the Region of Murcia 2016-2020	
Cities, urban planning and construction	70	Increase use of renewable energy	EU_RED		The Italian National Integrated Plan for Energy and Climate	National energy and climate plan	Energy Plan for the Region of Murcia 2016-2020	
Cities, urban planning and construction	82	Multi-stakeholder involvement	EU_RESIL					
Cities, urban planning and construction	85	New policy frameworks	EU_RW4EU; NEW_IND_STRAT					National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Cities, urban planning and construction	96	Reuse and recycling of materials	EU_RW4EU			Norrbotten climate and energy strategy 2020–2024		



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Cities, urban planning and construction	101	Support innovation and digitalisation	EU_EPDB; EU_RW4EU					
Cities, urban planning and construction	111	Taxation on emissions and environmental damages	EU_RW4EU					
Energy (incl. Energy production and distribution-infrastructures)	6	Climate resilient infrastructure			The Italian National Integrated Plan for Energy and Climate			Romania's National Action Plan In The Field Of Energy Efficiency
Energy (incl. Energy production and distribution-infrastructures)	9	Cooperation, knowledge exchange and innovation	EU_CEPF; NEW_IND_STR AT		The Italian National Integrated Plan for Energy and Climate			Romania's energy strategy 2022-2030, in the perspective of 2050
Energy (incl. Energy production and distribution-infrastructures)	19	Education and training	CAP 2.0		Environmental Energy Plan of the Trentino Province; The Italian National Integrated Plan for Energy and Climate		Regional Strategy for Mitigation and Adaptation to climate change	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); Romania's energy strategy 2022-2030, in the perspective of 2050



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Energy (incl. Energy production and distribution-infrastructures)	52	Identifying current and potential risks			The Italian National Plan for adaptation to climate change			Romania's energy strategy 2022-2030, in the perspective of 2050
Energy (incl. Energy production and distribution-infrastructures)	63	Incentives for GHG emissions reduction	CLIM_POL_HUB ; EU_CEPF		The Italian National Integrated Plan for Energy and Climate; The Italian Long-term Strategy for the reduction of greenhouse gas emissions		NECP	Romania's energy strategy 2022-2030, in the perspective of 2050
Energy (incl. Energy production and distribution-infrastructures)	69	Increase energy efficiency	ETS_Handbook; EU_CEPF; EU_EED; EU_EPDB; EU_ETS_AMEN D		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); Water Quality Protection Plan; Environmental Energy Plan of the Trentino Province; The Italian National Plan for adaptation to climate change; The Italian National Integrated Plan for Energy and Climate; The Italian Long-term	Regional development strategy Norrbotten 2030; Norrbotten climate and energy strategy 2020–2024	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; NECP; NAP; Energy Plan for the Region of Murcia 2016-2020	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); Romania's energy strategy 2022-2030, in the perspective of 2050; Romania's National Action Plan In The Field Of Energy Efficiency



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					Strategy for the reduction of greenhouse gas emissions			
Energy (incl. Energy production and distribution-infrastructures)	70	Increase use of renewable energy	EU_CEPF; EU_EED; EU_RED		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); Environmental Energy Plan of the Trentino Province; The Italian National Plan for adaptation to climate change; The Italian Long-term Strategy for the reduction of greenhouse gas emissions	Regional development strategy Norrbotten 2030; Norrbotten climate and energy strategy 2020–2024; Swedens strategy plan for agriculture policy 2023–2028; National energy and climate plan	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; Regional Strategy for Mitigation and Adaptation to climate change; NECP; Energy Plan for the Region of Murcia 2016-2020	Romania's energy strategy 2022-2030, in the perspective of 2050; Romania's National Action Plan In The Field Of Energy Efficiency; The National Strategy regarding the Circular Economy
Energy (incl. Energy production and distribution-infrastructures)	72	Industrial emissions/pollution regulated	NEW_IND_STR AT					
Energy (incl. Energy production and	73	Information and awareness campaigns	EU_EPDB		Environmental Energy Plan of the Trentino Province; The Italian National Integrated			



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distribution-infrastructures)					Plan for Energy and Climate			
Energy (incl. Energy production and distribution-infrastructures)	82	Multi-stakeholder involvement	EU_SUST_PROD					
Energy (incl. Energy production and distribution-infrastructures)	85	New policy frameworks	EU_CEPF; EU_EED		Environmental Energy Plan of the Trentino Province; The Italian National Integrated Plan for Energy and Climate			Romania's energy strategy 2022-2030, in the perspective of 2050
Energy (incl. Energy production and distribution-infrastructures)	92	Research and innovation	CAP 2.0; EU_Bioeconomy_Strategy		Environmental Energy Plan of the Trentino Province; The Italian National Plan for adaptation to climate change; The Italian National Integrated Plan for Energy and Climate			Romania's energy strategy 2022-2030, in the perspective of 2050
Energy (incl. Energy production and distribution-infrastructures)	108	Sustainable sourcing of materials	EU_RED					



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Energy (incl. Energy production and distribution-infrastructures)	109	Sustainable supply chains	EU_CIRC_EC					Romania's energy strategy 2022-2030, in the perspective of 2050
Energy (incl. Energy production and distribution-infrastructures)	111	Taxation on emissions and environmental damages	EU_NDC_NEW		The Italian National Integrated Plan for Energy and Climate	National energy and climate plan		
Energy (incl. Energy production and distribution-infrastructures)	113	Transport emissions/pollution regulated	EU_RED					Romania's energy strategy 2022-2030, in the perspective of 2050; Romania's National Action Plan In The Field Of Energy Efficiency
Finance / Economy	5	Attract private funding for renovation of buildings	EU_RW4EU					
Finance / Economy	9	Cooperation, knowledge exchange and innovation	EU_Bioeconomy_Strategy; EU_CIRC_EC; EU_RW4EU		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)	Regional Action plan för countryside program and ocean and fishery program 2014-2020, updated 2021		



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Finance / Economy	13	Deploy local bioeconomies	EU_Bioeconomy_Strategy			Action plan for climate adaptation by The Sami Parliament		
Finance / Economy	18	Disaster risk management	EU_ADPT			Action plan for climate adaptation by The Sami Parliament		
Finance / Economy	24	Financial incentives for buildings renovation	EU_RW4EU; CP-CCA					
Finance / Economy	25	Financial incentives for circular bioeconomy	EU_Bioeconomy_Strategy; EU_CIRC_EC; NEW_IND_STRAT; SME_STRAT			Norrbotten climate and energy strategy 2020–2024		Romania's National Action Plan In The Field Of Energy Efficiency
Finance / Economy	26	Financial incentives for climate change adaptation and mitigation	EU_CHEM; EU_CIRC_EC; EU_RW4EU; EU_CEPF; EU_ADPT; ADAPT_CC; INFRA_ACTION; CAP 2.0; ETC-CCR; NZRTT; ONE_PLANET; PB_TOURISM			Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021; Action plan for climate adaptation by The Sami Parliament	Regional Strategy for Mitigation and Adaptation to climate change	Romania's National Action Plan In The Field Of Energy Efficiency



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Finance / Economy	27	Financial incentives for digitalisation	EC DIG ENV					
Finance / Economy	28	Financial incentives for environmental sustainability	CAP 2.0; CCAM; EU_CIRC_EC; IPCC_AR6_WGII I_Chapter_11; SME_STRAT; EU_SST; NZRTT; PB_TOURISM		Environmental Energy Plan of the Trentino Province	Regional Action plan för countryside program and ocean and fishery program 2014-2020, updated 2021; Action plan for climate adaptation by The Sami Parliament		
Finance / Economy	29	Financial incentives for GHG emissions reduction	ETS_Handbook; EU_ETS_AMENDED			Regional Action plan för countryside program and ocean and fishery program 2014-2020, updated 2021		
Finance / Economy	30	Financial incentives for integrated water management	INFRA_ACTION	National climate change adaptation strategy + Crete Regional climate change adaptation plan; Greek National Climate and Energy Plan				
Finance / Economy	31	Financial incentives for renewable	CC_OECD; EU_EED; EU_EPDB;		Environmental Energy Plan of the Trentino Province; The Italian National Plan for	Regional Action plan för countryside program and ocean and fishery program	Strategic Plan for the Agrifood Sector of the Region of Murcia	Romania's energy strategy 2022-2030, in the perspective of 2050



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		energy and efficiency	EU_ETS_AMEND		adaptation to climate change; The Italian National Integrated Plan for Energy and Climate	2014-2020, updated 2021; Norrbotten climate and energy strategy 2020–2024; National energy and climate plan		
Finance / Economy	32	Financial incentives for research and innovation	GLASGOW_DEC L		Dolomiti Paganella Future Lab			
Finance / Economy	33	Financial incentives for social sustainability	INFRA_ACTION			Norrbotten climate and energy strategy 2020–2024		
Finance / Economy	34	Financial incentives for soil protection/restoration	EU_Mining; EU_SOIL			Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021		
Finance / Economy	35	Financial incentives for sustainable food systems	EU_MSFD; EU_ZEROPOLL			Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021	Strategic Plan for the Agrifood Sector of the Region of Murcia	
Finance / Economy	36	Financial incentives for	EU_FLEGT					



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		sustainable forestry						
Finance / Economy	37	Financial incentives for sustainable infrastructure	EU_EPDB NEW_IND_STR AT EU_CIRC_EC; INFRA_ACTION; POLICY_RESIL; SME_STRAT ITF-OECD			Norrbotten climate and energy strategy 2020–2024; National energy and climate plan	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; Strategic Plan for the Agrifood Sector of the Region of Murcia	
Finance / Economy	38	Financial incentives for sustainable mobility practices	EEAReportNo8 2014; ITF- OECD; EU_SST		Environmental Energy Plan of the Trentino Province; The Italian National Integrated Plan for Energy and Climate	National plan for transport; Norrbotten climate and energy strategy 2020–2024; National energy and climate plan		
Finance / Economy	39	Financial incentives for sustainable tourism	EU_SST; EU_TOURISM_ NEWFRAME; NZRTT		Dolomiti Paganella Future Lab	Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021		
Finance / Economy	40	Financial incentives for water quality increase				Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021		



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Finance / Economy	41	Financial incentives to reduce impacts of climate hazards	INFRA_ACTION					
Finance / Economy	74	Integrated approach to promote synergies	EU_Bioeconomy_Strategy					
Finance / Economy	85	New policy frameworks	EU_RW4EU					
Finance / Economy	92	Research and innovation	EU_CIRC_EC		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)			
Finance / Economy	96	Reuse and recycling of materials	EU_CIRC_EC					
Finance / Economy	111	Taxation on emissions and environmental damages	CAP 2.0; IPCC_AR6_WGII I_Chapter_11					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Finance / Economy	112	Technical assistance for buildings renovation projects	EU_RW4EU					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	6	Climate resilient infrastructure	IPCC_AR6_WGII I_Chapter_11					Romania's National Action Plan In The Field Of Energy Efficiency
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	9	Cooperation, knowledge exchange and innovation	EU_CHEM; EU_ECO_PROD; EU_SUST_PROD ; EU_ZEROPOLL; IPCC_AR6_WGII I_Chapter_11					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	19	Education and training	EU_FOR					
Industry and commerce (incl. refinery, chemicals,	52	Identifying current and potential risks	EU_RESIL				NAP	Long -term planning in the case of seasonal ecological mountain resorts; National strategy on



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
metals, other manufacturers)								adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	56	Improved food processing and retailing	IPCC SRCCL					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	60	Incentives for circular bioeconomy	EU_Bioeconomy_Strategy; REV_IND_EM					National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	62	Incentives for environmental sustainability	EU_ZEROPOLL			Norrbotten climate and energy strategy 2020–2024		
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	63	Incentives for GHG emissions reduction	EU_ECO_PROD; IPCC_AR6_WGII Chapter_11; REV_IND_EM					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	69	Increase energy efficiency			Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)	Norrbotten climate and energy strategy 2020–2024		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	70	Increase use of renewable energy				Norrbotten climate and energy strategy 2020–2024		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	71	Industrial emissions/pollution monitoring and reporting	EU_CHEM; EU_RED; EU_ZEROPOLL					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	72	Industrial emissions/pollution regulated	CLIM_POL_HUB ; EU_CHEM; EU_CIRC_EC; EU_ECO_PROD; EU_Mining; EU_RED; EU_SUST_PROD ; EU_ZEROPOLL; IPCC_AR6_WGII I_Chapter_11;			Roadmap for fossil free mining- and mineral industry		



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
			NEW_IND_STRAT; REV_IND_EM					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	73	Information and awareness campaigns	EU_ECO_PROD; EU_SUST_PROD; IPCC_AR6_WGII I_Chapter_11				Regional Strategy for Mitigation and Adaptation to climate change	
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	85	New policy frameworks	EU_CIRC_EC; EU_ECO_PROD; EU_RESIL				NAP	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	92	Research and innovation	EU_CHEM; IPCC_AR6_WGII I_Chapter_11					Romania's National Action Plan in The Field Of Energy Efficiency
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	96	Reuse and recycling of materials	EU_CIRC_EC; EU_ZEROPOLL					



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Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	102	Sustainable food systems	IPCC SRCCL					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	105	Sustainable infrastructure	EU_CHEM					
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	108	Sustainable sourcing of materials	IPCC SRCCL; EU_CIRC_EC; EU_ECO_PROD; NEW_IND_STR AT			Norrbotten climate and energy strategy 2020–2024		The National Strategy regarding the Circular Economy
Industry and commerce (incl. refinery, chemicals, metals, other manufacturers)	109	Sustainable supply chains	EU_CIRC_EC; EU_ECO_PROD; EU_ZEROPOLL; IPCC SRCCL		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)			The National Strategy regarding the Circular Economy
Industry and commerce (incl. refinery, chemicals,	111	Taxation on emissions and environmental damages	NEW_IND_STR AT					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
metals, other manufacturers)								
Mining and quarrying	9	Cooperation, knowledge exchange and innovation				Position Document – Indigenous People and Mineral Extraction		
Mining and quarrying	18	Disaster risk management	EU_Mining			-		
Mining and quarrying	52	Identifying current and potential risks	EU_Mining			Regional plan for climate change adaptation; Position Document – Indigenous People and Mineral Extraction		
Mining and quarrying	58	Improved reindeer husbandry				Position Document – Indigenous People and Mineral Extraction		
Mining and quarrying	62	Incentives for environmental sustainability	EU_Bioeconomy_Strategy; EU_Mining			Roadmap for fossil free mining- and mineral industry		
Mining and quarrying	69	Increase energy efficiency				Roadmap for fossil free mining- and mineral industry		



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Mining and quarrying	70	Increase use of renewable energy				Roadmap for fossil free mining- and mineral industry		
Mining and quarrying	73	Information and awareness campaigns	EU_Mining					
Mining and quarrying	81	Mining activities monitoring and reporting	EU_Mining					
Mining and quarrying	82	Multi-stakeholder involvement	EU_Mining			Position Document – Indigenous People and Mineral Extraction		
Mining and quarrying	95	Restore and protect ecosystems	EU_Mining					
Mining and quarrying	96	Reuse and recycling of materials						The National Strategy regarding the Circular Economy
Mining and quarrying	97	Safe, sustainable and circular use of excavated soil	EU_SOIL; EU_ZEROPOLL					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Mining and quarrying	111	Taxation on emissions and environmental damages	EU_Mining					
Society (incl. Human health, wellbeing, migration and Education)	4	Air quality increase	EU_ZEROPOLL; PublicHealthMedicine; WHO_Health_Water; WHO-EH-IN-RE-PA				NAP	
Society (incl. Human health, wellbeing, migration and Education)	6	Climate resilient infrastructure	ARC-X; NHS					Romania's National Action Plan In The Field Of Energy Efficiency; National Disaster Risk Management Plan
Society (incl. Human health, wellbeing, migration and Education)	8	Climate resilient spatial planning	ARC-X					
Society (incl. Human health, wellbeing, migration and Education)	9	Cooperation, knowledge exchange and innovation	ADAPT_HEALTH_EEA; EC-SAM; EU_ADPT; EU_Bioeconomy_Strategy; EU_CRE; EU_ICM; EU_SOIL;					National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); The national strategy regarding social inclusion and



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
			EU_ZEROPOLL; EU4_HP; NEW_IND_STRAT; UN_R_G					poverty reduction for the period 2022—2027
Society (incl. Human health, wellbeing, migration and Education)	14	Dietary change	IPCC_AR6_WGII I_Chapter_05					
Society (incl. Human health, wellbeing, migration and Education)	18	Disaster risk management	ADAPT_HEALTH_EEA; ADAPT_PLAN; ARC-X; EC-SAM; EU_ADPT; EU_CRE; EU_Public_Health; EU4_HP; IPCC SRCCL; NHS; PublicHealthMedicine; WHO_Health_Water	Civil Protection guidelines	The Italian National Plan for adaptation to climate change		NAP	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); Romania's National Action Plan In The Field Of Energy Efficiency; National Disaster Risk Management Plan
Society (incl. Human health, wellbeing, migration and Education)	19	Education and training	ADAPT_HEALTH_EEA; EC-SAM; EU_Bioeconomy_Strategy; EU_Care_Strategy; EU_Public_Health;		The Italian National Plan for adaptation to climate change		Regional Strategy for Mitigation and Adaptation to climate change	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); Romania's National Action Plan In The Field Of Energy



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
			NEW_IND_STRAT; NHS; PublicHealthMedicine; EU_RW4EU; EU_ZEROPOLL					Efficiency; National Disaster Risk Management Plan; The national strategy regarding social inclusion and poverty reduction for the period 2022—2027; Climate change and environmental education in sustainable schools
Society (incl. Human health, wellbeing, migration and Education)	21	Ensure food security						Romania's National Action Plan In The Field Of Energy Efficiency
Society (incl. Human health, wellbeing, migration and Education)	22	Exposure to harmful substances reduction	WHO-EH-IN-RE-PA					
Society (incl. Human health, wellbeing, migration and Education)	46	Food waste reduction	IPCC_AR6_WGII I_Chapter_05					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
Society (incl. Human health, wellbeing, migration and Education)	52	Identifying current and potential risks	ARC-X					
Society (incl. Human health, wellbeing, migration and Education)	53	Impact of environmental conditions on human health reduction	MENTAL_HE_E NV	Civil Protection guidelines			Regional Strategy for Mitigation and Adaptation to climate change	
Society (incl. Human health, wellbeing, migration and Education)	54	Impact of extreme weather events on human health reduction	MENTAL_HE_E NV; PublicHealthMedicine; WHO-EH-IN-RE-PA		The Italian National Plan for adaptation to climate change		Regional Strategy for Mitigation and Adaptation to climate change; NAP	
Society (incl. Human health, wellbeing, migration and Education)	59	Incentives for buildings renovation	IPCC_AR6_WGII I_Chapter_05; NHS; WHO-EH-IN-RE-PA					
Society (incl. Human health, wellbeing, migration and Education)	60	Incentives for circular bioeconomy	EU_SUST_PROD					



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Society (incl. Human health, wellbeing, migration and Education)	61	Incentives for climate change adaptation and mitigation	ADAPT_PLAN; EU_ADPT					
Society (incl. Human health, wellbeing, migration and Education)	62	Incentives for environmental sustainability	ARC-X; EU4_HP; IPCC_AR6_WGII I_Chapter_05; NEW_IND_STR AT					
Society (incl. Human health, wellbeing, migration and Education)	64	Incentives for renewable energy and efficiency	EC-SAM; IPCC_AR6_WGII I_Chapter_05				NECP	
Society (incl. Human health, wellbeing, migration and Education)	65	Incentives for social sustainability	ADAPT_HEALTH _EEA; CAP 2.0; EU_ADPT; EU_Care_Strate gy; EU4_HP; UN_R_G; WHO_Health_ Water		Research and Innovation Strategy for Smart Specialisation 2021- 2027 (of the Autonomous Province of Trento); The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation; Regional development strategy Norrbotten 2030		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); Romania's National Action Plan In The Field Of Energy Efficiency; The national strategy regarding social inclusion and poverty reduction for the period 2022 –2027; The national strategy



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								regarding social inclusion and poverty reduction for the period 2022—2027
Society (incl. Human health, wellbeing, migration and Education)	72	Industrial emissions/pollution regulated	EU_ZEROPOLL; WHO-EH-IN-RE-PA					
Society (incl. Human health, wellbeing, migration and Education)	73	Information and awareness campaigns	ARC-X; EU_RW4EU; WHO_Health_Water	Civil Protection guidelines				National Disaster Risk Management Plan
Society (incl. Human health, wellbeing, migration and Education)	74	Integrated approach to promote synergies	ADAPT_HEALTH_EEA; EC-SAM; EU_Public_Health; EU4_HP; UN_R_G; WHO_Health_Water; WHO-HNAP					
Society (incl. Human health, wellbeing, migration and Education)	77	Integrated water management	EU_ADPT			Norrbotten food strategy action plan 2022-2025		



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Society (incl. Human health, wellbeing, migration and Education)	78	Livelihood diversification	IPCC SRCCL					The national strategy regarding social inclusion and poverty reduction for the period 2022—2027
Society (incl. Human health, wellbeing, migration and Education)	82	Multi-stakeholder involvement	CAP 2.0; EU_RW4EU					The national strategy regarding social inclusion and poverty reduction for the period 2022—2027
Society (incl. Human health, wellbeing, migration and Education)	83	Natural hazards reduction	IPCC SRCCL					
Society (incl. Human health, wellbeing, migration and Education)	85	New policy frameworks	ARC-X; NEW_IND_STRAT; WHO_Health_Water		The Italian National Plan for adaptation to climate change			National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); The national strategy regarding social inclusion and poverty reduction for the period 2022—2027
Society (incl. Human health, wellbeing,	92	Research and innovation	ADAPT_HEALTH_EEA; EU_ADPT;		Research and Innovation Strategy for Smart			The national strategy regarding social inclusion and poverty



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migration and Education)			EU_CFP; EU_CIRC_EC; EU_SOIL; EU4_HP; WHO-HNAP		Specialisation 2021-2027 (of the Autonomous Province of Trento)			reduction for the period 2022—2027
Society (incl. Human health, wellbeing, migration and Education)	93	Resilient health systems	ADAPT_HEALTH_EEA; EU_Public_Health; EU4_HP; NHS; PublicHealthMedicine; WHO_Health_Water; WHO-HNAP					The national strategy regarding social inclusion and poverty reduction for the period 2022—2027
Society (incl. Human health, wellbeing, migration and Education)	96	Reuse and recycling of materials	EU_ZEROPOLL; IPCC_AR6_WGII Chapter_05					Romania's National Action Plan In The Field Of Energy Efficiency
Society (incl. Human health, wellbeing, migration and Education)	107	Sustainable mobility practices	IPCC_AR6_WGII Chapter_05					
Society (incl. Human health, wellbeing,	113	Transport emissions/pollution regulated	EU_ZEROPOLL; WHO-EH-IN-REPA					



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
migration and Education)								
Society (incl. Human health, wellbeing, migration and Education)	115	Urban environment quality increase	ADAPT_HEALTH_EEA; IPCC_AR6_WGII I_Chapter_05; WHO-EH-IN-RE-PA					
Society (incl. Human health, wellbeing, migration and Education)	117	Water quality increase	EU_ZEROPOLL; WHO_Health_Water; WHO-EH-IN-RE-PA					
Technology, Information and Communication	1	Active maintenance of assets	INFRA_ACTION					
Technology, Information and Communication	6	Climate resilient infrastructure	INFRA_ACTION; POLICY_RESIL		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)			
Technology, Information and Communication	9	Cooperation, knowledge exchange and innovation	ADAPT_CC; EC DIG ENV; EU_TECH_STRAT; INFRA_ACTION;		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the			



NEVERMORE sector	ID	Measure	EU/Global documents	CS1 – Sitia, Crete Island (GR)	C2 – Trentino Region (IT)	CS3 – Norrbotten County (SE)	CS4 – Murcia Region (ES)	CS5 – Danube Delta (RO)
			IPCC_AR6_WGII I_Chapter16; SME_STRAT		Autonomous Province of Trento)			
Technology, Information and Communication	15	Digital solutions for precision agriculture	IPCC_AR6_WGII I_Chapter16					
Technology, Information and Communication	16	Digital solutions to enhance environmental protection, climate action, nature conservation and circularity	ADAPT_CC; EC DIG ENV; EU_CIRC_EC; INFRA_ACTION; IPCC_AR6_WGII I_Chapter16; POLICY_RESIL; SME_STRAT		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)		NAP	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC); The National Strategy regarding the Circular Economy
Technology, Information and Communication	17	Digital solutions to increase energy efficiency	EU_EED; IPCC_AR6_WGII I_Chapter16		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); The Italian National Plan for adaptation to climate change			
Technology, Information and Communication	18	Disaster risk management	INFRA_ACTION				NAP	Romania's energy strategy 2022-2030, in the perspective of 2050; National



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								Disaster Risk Management Plan
Technology, Information and Communication	19	Education and training	SME_STRAT				NAP	The national strategy regarding social inclusion and poverty reduction for the period 2022 – 2027
Technology, Information and Communication	20	Efficient tendering and procurement processes	INFRA_ACTION			Norrbotten climate and energy strategy 2020–2024		
Technology, Information and Communication	50	GHG emissions monitoring and reporting	TECH_GUID					
Technology, Information and Communication	52	Identifying current and potential risks	ADAPT_CC; EU_RESIL; INFRA_ACTION; TECH_GUID		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)		NAP	
Technology, Information and Communication	62	Incentives for environmental sustainability	IPCC_AR6_WGII I_Chapter16					



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Technology, Information and Communication	63	Incentives for GHG emissions reduction	IPCC_AR6_WGII I_Chapter16					
Technology, Information and Communication	65	Incentives for social sustainability	INFRA_ACTION					
Technology, Information and Communication	69	Increase energy efficiency	INFRA_ACTION; IPCC_AR6_WGII I_Chapter16		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); Environmental Energy Plan of the Trentino Province; The Italian National Integrated Plan for Energy and Climate			
Technology, Information and Communication	73	Information and awareness campaigns	EU_EED; EU_FLEGT; INFRA_ACTION; IPCC_AR6_WGII I_Chapter16					
Technology, Information and Communication	74	Integrated approach to promote synergies	IPCC_AR6_WGII I_Chapter16					



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Technology, Information and Communication	76	Integrated waste management	INFRA_ACTION					
Technology, Information and Communication	77	Integrated water management	INFRA_ACTION					
Technology, Information and Communication	82	Multi-stakeholder involvement	EU_EPDB; INFRA_ACTION; SME_STRAT					
Technology, Information and Communication	84	Nature-based solutions	ADAPT_CC; INFRA_ACTION					
Technology, Information and Communication	85	New policy frameworks	ADAPT_CC; INFRA_ACTION; SME_STRAT					
Technology, Information and Communication	91	Reduce impacts of climate hazards	ADAPT_CC; INFRA_ACTION; POLICY_RESIL					
Technology, Information and Communication	92	Research and innovation	ADAPT_CC; EC DIG ENV; EU_Bioeconomy_Strategy; EU_CHEM; INFRA_ACTION; IPCC_AR6_WGII		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)			



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			I_Chapter16; SME_STRAT					
Technology, Information and Communication	96	Reuse and recycling of materials	EU_CIRC_EC; INFRA_ACTION					
Technology, Information and Communication	98	Set science-based emission targets	INFRA_ACTION					
Technology, Information and Communication	101	Support innovation and digitalisation	EC DIG ENV; EU_CIRC_EC; EU_EPDB; EU_TECH_STRAT; EU_ZEROPOLL; INFRA_ACTION; SME_STRAT; EU_Bioeconomy_Strategy		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); Environmental Energy Plan of the Trentino Province; The Italian National Integrated Plan for Energy and Climate	Norrbotten climate and energy strategy 2020–2024		Romania's National Action Plan In The Field Of Energy Efficiency; The national strategy regarding social inclusion and poverty reduction for the period 2022 –2027; Climate change and environmental education in sustainable schools
Technology, Information and Communication	105	Sustainable infrastructure	INFRA_ACTION		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)			



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Technology, Information and Communication	107	Sustainable mobility practices	IPCC_AR6_WGII I_Chapter16					
Technology, Information and Communication	108	Sustainable sourcing of materials	INFRA_ACTION			Norrbotten climate and energy strategy 2020–2024		
Technology, Information and Communication	109	Sustainable supply chains	EU_CIRC_EC; INFRA_ACTION		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento)			
Technology, Information and Communication	113	Transport emissions/pollution regulated	INFRA_ACTION					
Tourism, Leisure /cultural heritage	6	Climate resilient infrastructure	CP-CCA; TCG	National climate change adaptation strategy + Crete Regional climate change adaptation plan	Dolomiti Paganella Future Lab		NAP	Long -term planning in the case of seasonal ecological mountain resorts
Tourism, Leisure /cultural heritage	7	Climate resilient ski resorts			Water Quality Protection Plan; Dolomiti Paganella Future Lab; The Italian National Plan	Regional plan for climate change adaptation		National strategy on adaptation to climate change for the period 2022-2030 in the



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					for adaptation to climate change			perspective of 2050 (SNASC)
Tourism, Leisure /cultural heritage	9	Cooperation, knowledge exchange and innovation	EU_SST; EU_TOURISM_NEWFRAME; NZRTT; PB_TOURISM		Dolomiti Paganella Future Lab			
Tourism, Leisure /cultural heritage	18	Disaster risk management	CCAM; ONE_PLANET; PB_TOURISM; TCG	National climate change adaptation strategy + Crete Regional climate change adaptation plan	The Italian National Plan for adaptation to climate change			
Tourism, Leisure /cultural heritage	19	Education and training	CP-CCA; NZRTT; PB_TOURISM		Dolomiti Paganella Future Lab	Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021		
Tourism, Leisure /cultural heritage	50	GHG emissions monitoring and reporting	CC_OECD; EU_SST; GLASGOW_DEC L; NZRTT; ONE_PLANET					
Tourism, Leisure /cultural heritage	52	Identifying current and potential risks	CCAM; CP-CCA			Regional plan for climate change adaptation	NAP	



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Tourism, Leisure /cultural heritage	60	Incentives for circular bioeconomy	EU_SST; ONE_PLANET; PB_TOURISM		Dolomiti Paganella Future Lab			
Tourism, Leisure /cultural heritage	63	Incentives for GHG emissions reduction	CC_OECD; ETC-CCR; NZRTT; ONE_PLANET					
Tourism, Leisure /cultural heritage	69	Increase energy efficiency	CC_OECD; CLIM_TOURISM_UN	National climate change adaptation strategy + Crete Regional climate change adaptation plan				
Tourism, Leisure /cultural heritage	70	Increase use of renewable energy	CCAM; CP-CCA; TCG	National climate change adaptation strategy + Crete Regional climate change adaptation plan				
Tourism, Leisure /cultural heritage	72	Industrial emissions/pollution regulated	CC_OECD					
Tourism, Leisure /cultural heritage	73	Information and awareness campaigns	CC_OECD; CCAM; CLIM_TOURISM	National climate change adaptation strategy + Crete Regional climate	The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation		



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			_UN; NZRTT; TCG; CP-CCA	change adaptation plan				
Tourism, Leisure /cultural heritage	77	Integrated water management	CP-CCA			Regional plan for climate change adaptation		
Tourism, Leisure /cultural heritage	78	Livelihood diversification	PB_TOURISM					
Tourism, Leisure /cultural heritage	82	Multi-stakeholder involvement	CAP 2.0; CC_OECD; CCAM; CLIM_TOURISM_UN; EU_SST; GLASGOW_DECL; NZRTT; ONE_PLANET; PB_TOURISM					
Tourism, Leisure /cultural heritage	84	Nature-based solutions	CP-CCA; ONE_PLANET	National climate change adaptation strategy + Crete Regional climate change adaptation plan		Action plan Connected to The regional forestry program for Norrbotten County; Program for conservation areas in Norrbotten county 2012–2016		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)



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Tourism, Leisure /cultural heritage	85	New policy frameworks	CAP 2.0; CC_OECD; CLIM_TOURISM_UN; CP-CCA; EU_SST; EU_TOURISM_NEWFRAME; NZRTT; PB_TOURISM; TCG				NAP	Long -term planning in the case of seasonal ecological mountain resorts
Tourism, Leisure /cultural heritage	87	Promote cultural heritage and creative industries	ONE_PLANET; PB_TOURISM		The Italian National Plan for adaptation to climate change		NAP	The national strategy regarding social inclusion and poverty reduction for the period 2022—2027
Tourism, Leisure /cultural heritage	88	Promote domestic tourism	CP-CCA; TCG					
Tourism, Leisure /cultural heritage	89	Reduce emissions from hospitality sector	CCAM; CLIM_TOURISM_UN; CP-CCA	National climate change adaptation strategy + Crete Regional climate change adaptation plan				
Tourism, Leisure /cultural heritage	90	Reduce Hotspot Vulnerability	CCAM; CLIM_TOURISM_UN; TCG	National climate change adaptation strategy + Crete Regional climate		Regional plan for climate change adaptation		



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				change adaptation plan				
Tourism, Leisure /cultural heritage	91	Reduce impacts of climate hazards	PB_TOURISM					
Tourism, Leisure /cultural heritage	92	Research and innovation	CC_OECD; CCAM; CLIM_TOURISM_UN; CP-CCA; NZRTT; ONE_PLANET; TCG		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); Dolomiti Paganella Future Lab			
Tourism, Leisure /cultural heritage	95	Restore and protect ecosystems	GLASGOW_DECL; ONE_PLANET			Regional plan for climate change adaptation		
Tourism, Leisure /cultural heritage	96	Reuse and recycling of materials	CCAM					
Tourism, Leisure /cultural heritage	98	Set science-based emission targets	CC_OECD; GLASGOW_DECL; NZRTT					
Tourism, Leisure /cultural heritage	101	Support innovation	EU_SST; EU_TOURISM_					



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		and digitalisation	NEWFRAME; PB_TOURISM					
Tourism, Leisure /cultural heritage	105	Sustainable infrastructure	NZRTT; PB_TOURISM					
Tourism, Leisure /cultural heritage	107	Sustainable mobility practices	CC_OECD; CP-CCA; EU_SST		Dolomiti Paganella Future Lab			
Tourism, Leisure /cultural heritage	110	Sustainable tourists carrying capacity	CP-CCA; EU_SST; TCG		Dolomiti Paganella Future Lab; The Italian National Plan for adaptation to climate change			
Tourism, Leisure /cultural heritage	111	Taxation on emissions and environmental damages	CC_OECD					
Tourism, Leisure /cultural heritage	112	Touristic activity monitoring, reporting and certification	EU_SST	National climate change adaptation strategy + Crete Regional climate change adaptation plan	Dolomiti Paganella Future Lab; The Italian National Plan for adaptation to climate change			National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Tourism, Leisure /cultural heritage	113	Transport emissions/pollution regulated	CC_OECD; CCAM; CLIM_TOURISM_UN; CP-CCA;					



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			EU_SST; PB_TOURISM					
Transport	1	Active maintenance of assets	ISDB; JRC108865; JRC72217		The Italian National Plan for adaptation to climate change	National plan for transport; Regional plan for climate change adaptation	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; NAP; Energy Plan for the Region of Murcia 2016-2020; Strategic Plan for the Agrifood Sector of the Region of Murcia	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC);Romania's National Action Plan In The Field Of Energy Efficiency
Transport	6	Climate resilient infrastructure	ISDB; JRC108865; JRC72217		The Italian National Integrated Plan for Energy and Climate	National plan for transport	Energy Plan for the Region of Murcia 2016-2020	National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Transport	9	Cooperation, knowledge exchange and innovation	ECE-TRANS; EEAReportNo8 2014		The Italian National Plan for adaptation to climate change			
Transport	18	Disaster risk management	ISDB		The Italian National Plan for adaptation to climate change	National plan for transport; Regional plan for climate change adaptation		



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Transport	19	Education and training				National plan for transport		
Transport	52	Identifying current and potential risks	JRC108865		The Italian National Plan for adaptation to climate change	National plan for transport; Regional plan for climate change adaptation		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Transport	65	Incentives for social sustainability	ISDB					
Transport	69	Increase energy efficiency	ISDB; TransportICT			Norrbotten climate and energy strategy 2020–2024		
Transport	79	Marine waters and coastal zones management				National plan for transport		
Transport	82	Multi-stakeholder involvement	EEARreportNo8 2014					
Transport	84	Nature-based solutions			The Italian National Plan for adaptation to climate change	National plan for transport		



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Transport	85	New policy frameworks	CAP 2.0; EEAReportNo8 2014		The Italian National Plan for adaptation to climate change			
Transport	91	Reduce impacts of climate hazards	ISDB; JRC108865					
Transport	92	Research and innovation	EEAReportNo8 2014		The Italian National Plan for adaptation to climate change	National plan for transport		
Transport	94	Restoration and reduced conversion of wetlands and peatlands	ISDB					
Transport	101	Support innovation and digitalisation	CAP 2.0; EEAReportNo8 2014; ITF-OECD					
Transport	106	Sustainable maritime and coastal transportation	JRC108865			National plan for transport; Norrbotten climate and energy strategy 2020–2024		National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)



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Transport	107	Sustainable mobility practices	CAP 2.0; EU_EPDB; ITF-OECD		Research and Innovation Strategy for Smart Specialisation 2021-2027 (of the Autonomous Province of Trento); Environmental Energy Plan of the Trentino Province; The Italian National Plan for adaptation to climate change; The Italian National Integrated Plan for Energy and Climate; The Italian National Integrated Plan for Energy and Climate; The Italian Long-term Strategy for the reduction of greenhouse gas emissions	National plan for transport; Norrbotten climate and energy strategy 2020–2024; National energy and climate plan	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; Regional Strategy for Mitigation and Adaptation to climate change; NECP; Energy Plan for the Region of Murcia 2016-2020; Strategic Plan for the Agrifood Sector of the Region of Murcia	Romania's National Action Plan In The Field Of Energy Efficiency
Transport	109	Sustainable supply chains	JRC108865					
Transport	111	Taxation on emissions and environmental damages	ITF-OECD		The Italian National Integrated Plan for Energy and Climate	National energy and climate plan		



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Transport	113	Transport emissions/pollution regulated	CC_OECD; EEAReportNo8 2014; ITF-OECD; TransportICT		The Italian National Plan for adaptation to climate change	National plan for transport; Regional development strategy Norrbotten 2030; Norrbotten climate and energy strategy 2020–2024	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; Strategic Plan for the Agrifood Sector of the Region of Murcia	
Water and waste (incl. Water treatment and distribution-infrastructures)	9	Cooperation, knowledge exchange and innovation	CAP 2.0		The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation; Plan for water shortage and drought 2021 - 2027 for the Bothnian Bay		The National Strategy regarding the Circular Economy
Water and waste (incl. Water treatment and distribution-infrastructures)	18	Disaster risk management		National climate change adaptation strategy + Crete Regional climate change adaptation plan; Greek National Climate and Energy Plan	Water Quality Protection Plan; The Italian National Plan for adaptation to climate change			National strategy on adaptation to climate change for the period 2022-2030 in the perspective of 2050 (SNASC)
Water and waste (incl. Water treatment and distribution-infrastructures)	73	Information and awareness campaigns	CCAM	National climate change adaptation strategy + Crete Regional climate change adaptation plan	The Italian National Plan for adaptation to climate change		NAP	



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Water and waste (incl. Water treatment and distribution-infrastructures)	76	Integrated waste management	EU_CIRC_EC; EU_Mining	National climate change adaptation strategy + Crete Regional climate change adaptation plan		Regional plan for climate change adaptation		Romania's National Action Plan In The Field Of Energy Efficiency; The National Strategy regarding the Circular Economy
Water and waste (incl. Water treatment and distribution-infrastructures)	77	Integrated water management	CCAM; EU_CIRC_EC	National climate change adaptation strategy + Crete Regional climate change adaptation plan; Greek National Climate and Energy Plan	Water Quality Protection Plan; The Italian National Plan for adaptation to climate change; The Italian National Plan for adaptation to climate change	Regional plan for climate change adaptation; Plan for water shortage and drought 2021 - 2027 for the Bothnian Bay	Climate Change in the Region of Murcia: from the Paris Agreement to the climate emergency; NAP; Energy Plan for the Region of Murcia 2016-2020	Romania's National Action Plan In The Field Of Energy Efficiency; The National Strategy regarding the Circular Economy
Water and waste (incl. Water treatment and distribution-infrastructures)	85	New policy frameworks	EU_CIRC_EC; EU_ZEROPOLL	National climate change adaptation strategy + Crete Regional climate change adaptation plan	The Italian National Plan for adaptation to climate change	Plan for water shortage and drought 2021 - 2027 for the Bothnian Bay		The National Strategy regarding the Circular Economy
Water and waste (incl. Water treatment and distribution-infrastructures)	91	Reduce impacts of climate hazards	CAP 2.0	National climate change adaptation strategy + Crete Regional climate change adaptation plan	Water Quality Protection Plan	Regional plan for climate change adaptation; Plan for water shortage and drought 2021 - 2027 for the Bothnian Bay	NAP	
Water and waste (incl.	92	Research and innovation		National climate change adaptation		Plan for water shortage and drought		



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Water treatment and distribution-infrastructures)				strategy + Crete Regional climate change adaptation plan		2021 - 2027 for the Bothnian Bay		
Water and waste (incl. Water treatment and distribution-infrastructures)	96	Reuse and recycling of materials	EU_CIRC_EC					The National Strategy regarding the Circular Economy
Water and waste (incl. Water treatment and distribution-infrastructures)	113	Transport emissions/pollution regulated	EU_ZEROPOLL					
Water and waste (incl. Water treatment and distribution-infrastructures)	117	Water quality increase	EU_Mining; EU_ZEROPOLL	National climate change adaptation strategy + Crete Regional climate change adaptation plan; Greek National Climate and Energy Plan		Regional plan for climate change adaptation; Regional Action plan for countryside program and ocean and fishery program 2014-2020, updated 2021	NAP	



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