

Open Public Consultation: New EU Strategy on Adaptation to Climate Change

Fields marked with * are mandatory.

Introduction

Current context

The [European Green Deal](#) announces that the European Commission will adopt a new, more ambitious EU Strategy on Adaptation to Climate Change, as climate change will continue to create significant stress in Europe despite mitigation efforts.

Recent analysis by the European Commission through the [PESETA project](#) refines the projected impacts of climate change on the Union and beyond, as well as some of the benefits of adaptation measures. This analysis highlights the need for more ambitious action on adaptation.

In order to support the development of the new EU Adaptation Strategy, the European Commission is seeking stakeholder views and feedback, in line with the [Better Regulation Guidelines](#), including this open public consultation. Your responses to this questionnaire will be analysed and feed into the policy design process.

In parallel to this consultation, two other consultations are relevant to EU adaptation action: for the [European Climate Pact](#) and the [Renewed Sustainable Finance Strategy](#).

Objective of this stakeholder consultation

The aims of the consultation are:

- To give all relevant stakeholders the opportunity to inform policy development
- To gather stakeholder opinions on policy options and their possible impacts
- To identify triggers of behavioural and institutional changes to support the take-up of adaptation measures and practices.

Before answering the questionnaire, please read the [background document](#) indicating the broad context and possible directions of development.

Guidance on the questionnaire

Thank you for taking the time to complete this questionnaire – your inputs will feed into the development of the new EU Adaptation Strategy and are much valued. The questionnaire is divided into five sections:

- Introductory questions about you, including information on data processing and privacy
- General questions about your familiarity with the current policy context

- Specific questions related to the potential actions of the new EU Adaptation Strategy
- In-depth questions on a set of thematic areas
- A final closing question giving you the opportunity to provide any supporting information.

About you

* Language of my contribution

- Bulgarian
- Croatian
- Czech
- Danish
- Dutch
- English
- Estonian
- Finnish
- French
- Gaelic
- German
- Greek
- Hungarian
- Italian
- Latvian
- Lithuanian
- Maltese
- Polish
- Portuguese
- Romanian
- Slovak
- Slovenian
- Spanish
- Swedish

* I am giving my contribution as

- Academic/research institution
- Business association
- Company/business organisation

- Consumer organisation
- EU citizen
- Environmental organisation
- Non-EU citizen
- Non-governmental organisation (NGO)
- Public authority
- Trade union
- Other

* First name

* Surname

* Email (this won't be published)

* Scope

- International
- Local
- National
- Regional

* Organisation name

255 character(s) maximum

* Organisation size

- Micro (1 to 9 employees)
- Small (10 to 49 employees)
- Medium (50 to 249 employees)
- Large (250 or more)

Transparency register number

* Country of origin

The Netherlands

* Publication privacy settings

The Commission will publish the responses to this public consultation. You can choose whether you would like your details to be made public or to remain anonymous.

Anonymous

Only your type of respondent, country of origin and contribution will be published. All other personal details (name, organisation name and size, transparency register number) will not be published.

Public

Your personal details (name, organisation name and size, transparency register number, country of origin) will be published with your contribution.

I agree with the [personal data protection provisions](#)

Questions about climate change, the 2013 EU Adaptation Strategy, and recent policy developments

This section seeks to gather information on your awareness of climate change impacts, general knowledge of the [2013 EU Adaptation Strategy](#) and recent policy developments.

Climate change impacts

Climate change manifests itself in various types of weather that disrupts whole countries, regions, and the lives of citizens in many different ways socially, environmentally and economically. Therefore, it is important to reflect throughout this survey on your experiences with, and knowledge of, climate change impacts and be as illustrative as possible.

In your place of residence, have you experienced unusually frequent or severe events that could be attributed to climate change?

	Yes	No	Do not know
Abnormally warm overall temperatures/droughts during one or more seasons	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Heat waves causing health problems and death among the vulnerable (elderly, sick)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Restrictions on water availability due to prolonged drought	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disappearance of glaciers or long-lasting snowfields	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Forest disturbance (e.g. forest fires, pest outbreaks)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
River and coastal floods	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flash floods or landslides from extremely heavy rain	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seaside storm surges	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coastal erosion	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Intrusion of seawater in freshwater aquifers	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extreme wind (100 km/h or more)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Appearance/gradual shift of species (insects, plants, fish etc.) associated with changing climates	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal shifts (e.g. less snow, early spring)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe crop losses caused by extreme weather conditions (drought, heavy rains, storms, etc.)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergence of tropical diseases that are otherwise not present in your area	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** Please specify:**

300 character(s) maximum

Increasing presence and spread of species (insects, plants) which cause damage in agriculture and forestry (f.e. some beetles) or cause health problems (caterpillars of some butterflies with irritating hairs, poisonous invasive plants).

In your place of living, are you aware of any of the following actions which have been implemented recently with the intention to prepare for the likely effects of climate change?

	Yes	No	Do not know
Reinforcement of infrastructure (transport, energy, communication networks) to better withstand natural disasters like floods, heatwaves etc.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preparation for floods (e.g. dykes, designated flood plains, restrictions in flood risk areas etc.)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Adaptation of agriculture to the changing climate (e.g. water efficient irrigation, drought-resistant crops)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heat wave action plans (e.g. early warning systems, late opening of parks, water dispensers in public area)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase of green areas in towns to cope with heatwaves / floods	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Encouragement of water saving and reuse	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Efforts to prevent forest damage from heatwaves, drought, pests, fires, or storms (e.g. awareness raising campaigns, forest management, preventive infrastructure)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reinforcement and protection of the seacoast (e.g. seawalls, sand replenishment)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Early warning systems for natural disasters	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communication to the public about the need to adapt to climate change	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Awareness raising on the availability of insurance options against climate change damage	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The 2013 EU Adaptation Strategy and recent policy developments EU policies

The current EU Adaptation Strategy was adopted in 2013 and was evaluated in 2018 to assess its effectiveness, efficiency, relevance, EU added value and coherence.

To what extent are you familiar with the following?

0 – Not familiar at all / 5 – Very familiar

	0	1	2	3	4	5	Do not know
* The 2013 EU Adaptation Strategy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The results of the evaluation of the Strategy, completed in 2018	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Please rate the following as how important is it for the new EU Adaptation Strategy to be aligned with the following EU and international policies?

0 – Not important at all / 5 – Very important

	0	1	2	3	4	5	Do not know
Paris Agreement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Sendai Framework for Disaster Risk Reduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
UN Sustainable Development Goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
UN Convention on Biological Diversity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

European Green Deal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
EU Civil Protection Mechanism	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Specific questions on potential actions of the new Strategy

Climate change is evident across and beyond European regions, and in many sectors important to our society. It is also increasingly complex and affecting all citizens' quality of life in far-reaching ways, including the recovery from the Covid-19 crisis, which is an opportunity to "build back better". Therefore, the European Commission seeks to gather insight into the challenges, objectives, and priorities for the new Strategy. The following section gathers feedback on these elements.

Challenges

The following questions will support the problem definition of the EU Adaptation strategy and its relevance for the design of initiatives with EU added value for society.

To what extent do you agree that the following drivers are important for a new EU adaptation strategy?

0 – Not important at all / 5 – Very important

	0	1	2	3	4	5	Do not know
* Growing speed of climate change impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Unclear distribution of responsibilities between levels of governance	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Insufficient public awareness of the need to adapt to climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of cost-effective solutions and skills to adapt to climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Slow adoption of local adaptation strategies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Insufficient private sector investment and action on adaptation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Insufficient public finance for adaptation to climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of interest in climate impacts in some Member States or regions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Insufficient science/knowledge on climate risk assessment for adaptation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

To what extent do you agree that the following problems are important in preventing adaptation action in the EU?

0: Not at all / 5: Completely agree

	0	1	2	3	4	5	Do not know
* The 2013 EU Adaptation Strategy is predominantly focused on the EU.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The alignment between the EU Adaptation Strategy and international policy developments is unclear.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The implications of climate impacts in third countries on the EU are not taken into consideration.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Agreement on principles, measurable targets, and requirements for adaptation is limited and affected by uncertainty at decision-making levels.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Implementation of adaptation strategies and plans is weak.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Mechanisms and indicators to monitor and report on the implementation of adaptation strategies and action should be strengthened.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Knowledge of climate impacts and potential responses is not sufficiently adjusted to a local scale (nor sufficiently known or available).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Appropriate methodologies, indicators and other links integrating disaster risk reduction and adaptation are lacking.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Financial support for adaptation to climate change is insufficient.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Businesses and the financial sector (in particular, but not limited to, the insurance sector) are not appropriately involved in adaptation efforts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Please specify:

300 character(s) maximum

Attention for cross border impacts of CC and cross border measures is insufficient. Within government (national, regional, local), departments responsible for construction and maintenance of infrastructure (transport, energy, ICT etc) are not sufficiently involved, lack of knowledge about LT costs

Objectives, actions and potential impacts for the new EU Adaptation Strategy

The questions below address the objectives setting which will link the analysis of the adverse effects from climate change to the options for the policy response. The objectives will set the level of policy ambition, fix the yardsticks for comparing policy options and determine the criteria for monitoring and evaluating the implementation of the new EU Adaptation Strategy.

To what extent do you agree with the proposed new objectives of an EU Adaptation Strategy, as stated below?

0 – Not at all / 5 – Completely

	0	1	2	3	4	5	Do not know
* To help make the EU a climate-resilient society, adapted to the unavoidable impacts of climate change, with reinforced adaptive capacity and minimal vulnerability.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Increase focus on Solutions (in addition to understanding)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increase focus on Innovation (in addition to research)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increase focus on Implementation (in addition to planning)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increase focus on Prevention (in addition to ex-post action)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Please specify:

300 character(s) maximum

Increase focus on solutions which combines more Sustainable Development Goals; Increase focus on weighing the long term costs of damage with the short term costs of investments, especially with new (infrastructural) measures.

To what extent do you agree with the following statements?

0 – Not at all / 5 – Completely

	0	1	2	3	4	5	Do not know
* The EU should support Member State level action on adaptation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The EU should support regional level action on adaptation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The EU should support local level action on adaptation.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* The EU should support private sector action on adaptation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The EU should support citizen action on adaptation.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The EU should support international action on adaptation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The EU should support non-state actors' action on adaptation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

To what extent do you agree that the actions of the [2013 EU Adaptation Strategy](#), as stated below, should be expanded?

	Agree, action should be retained in current form	Agree, action should be retained and reinforced	Disagree, action should be discontinued	Do not know
Action 1: Encourage all Member States to adopt comprehensive adaptation strategies	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action 2: Provide LIFE funding to support capacity building and step up adaptation action in Europe.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action 3: Introduce adaptation in the Covenant of Mayors framework and support climate resilience of cities	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Action 4: Bridge climate change adaptation knowledge gaps	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action 5: Further develop Climate-ADAPT as the 'one-stop shop' for adaptation information in Europe	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action 6: Facilitate the climate-proofing of the Common Agricultural Policy (CAP), the Cohesion Policy and the Common Fisheries Policy (CFP)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action 7: Ensuring more resilient infrastructure	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Action 8: Promote insurance and other financial products for resilient investment and business decisions	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

To what extent do you agree that further action for sustainable adaptation to climate change is needed within the new Strategy to address the following sectors?

0: Not at all / 5: Completely agree

	0	1	2	3	4	5	Do not know
* Agriculture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Ecosystems (e.g. forests, marine and coastal ecosystems, wetlands)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Health (human and plant health)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Inclusion and cohesion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Energy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Insurance and finance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Construction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** Please specify:**

300 character(s) maximum

coastal defence; industrial production, DRR.

How would you rate the following potential actions for a new EU Adaptation Strategy?

0 – Not important at all / 5 – Very important

	0	1	2	3	4	5	Do not know
* Supporting resilience investments and natural disaster insurance penetration through EU and Member State policies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Helping to identify health and/or social risks linked to climate change at an early stage by developing an observatory of social/health vulnerability.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increasing infrastructure resilience through an extended use of EU climate proofing guidance based on the latest IPCC reports and scientific findings.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Supporting a more open access to climate loss and disaster risk data from private and public sources, to allow all actors to take an active role in adaptation action and to help integrate climate risks in decision-making.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* A greater focus on innovative adaptation solutions, including through the Horizon Europe mission on Adaptation to Climate Change, including Societal Transformation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Supporting the resilience of agriculture and forest ecosystems e.g. through monitoring of ecosystem vegetation changes, plant health and emerging pests and diseases, and better exploitation of existing EU plant and forest genetic resources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Providing tailored adaptation guidance and peer-to-peer knowledge exchange to public authorities and non-state actors.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Strengthening the climate risk and vulnerability assessment at EU level, including on the EU outermost regions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increase private investment in adaptation via increased public-private investment opportunities or incentives through e.g. the EU Taxonomy or the EU Green Bond Standard.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Please specify:

300 character(s) maximum

Support of knowledge development and application of solutions which are cost effective (both in construction and maintenance) and serve several objectives (adaptation, mitigation, biodiversity, health, social, food production)

How important is it for a new EU Adaptation Strategy to achieve the following impacts?

0 – Not important at all / 5 – Very important

	0	1	2	3	4	5	Do not know
* Increased financial and economic resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Closing the climate protection gap (e.g. increasing insurance coverage)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* A just adaptation and just transition (access to essential services)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Climate and risk proofing of infrastructure and investments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Incorporating climate risk management into fiscal frameworks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Preventing climate risks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Improved health, social cohesion and resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Avert, minimise and address population displacement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Enhancing the resilience of the agri-food system to climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Healthier ecosystems with improved resilience to climate impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Enabling climate-informed decisions by citizens	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Please specify:

300 character(s) maximum

Combining climate measures, so preferably take measures with regard to mitigation and adaptation simultaneously

In-depth thematic questions

In order to complement overarching views on climate adaptation in the EU, we are also seeking targeted insights in relation to a set of thematic areas. Respondents are asked to select their area(s) of interest first and will then be presented with specific questions.

Please select sectors or topics of interest from the list below. For each option selected you will be taken to a short set of questions on issues specific to this topic.

- Finance and insurance (climate protection gap)
- Agriculture and forests
- Freshwater
- Ocean ecosystems, coastal areas and the blue economy
- Policy support for local authorities and other non-state actors
- None

Agriculture and forests

In your opinion, how important are the following elements for climate resilient agriculture / forests?

0 - Not important at all / 5 – very important

	0	1	2	3	4	5	Do not know
--	---	---	---	---	---	---	-------------

* Agro-Biodiversity (diversity of cultivated crops, plant varieties, tree species...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Diversified systems (e.g. mixed farming, agro-forestry, different forest systems and management, age structure)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Natural resource efficiency (e.g. water)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Management practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Economic diversification (e.g. processing, rural tourism)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Precision technologies and decision-support systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Investments and infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Nature-based solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In your opinion, how important are the following actions to support resilience-building in agriculture / forests?

0 – Not important at all / 5 – very important

	0	1	2	3	4	5	Do not know
Research and innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Awareness raising / information about climate impacts on future vegetation change (changes in ecological zones)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information / guidance about adaptation options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information / guidance about management practices and nature-based solutions that enhance climate resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information / guidance to better use existing plant /forest genetic diversity (varieties, species) to build resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Support in managing financial risks related to climate impacts (e.g. insurance)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Payments for ecosystem services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climate resilient land use planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Exchange of good practices and experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Monitoring of climate impacts on agriculture and forests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Embedding climate adaptation in product labelling and certification schemes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Partnerships with upstream or downstream industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Freshwater

In your opinion, how important are the following climate-related needs in the freshwater and sectors?

0 – Not at all / 5 – very important

	0	1	2	3	4	5	Do not know
* Consumption reduction in agriculture (water reuse, reducing irrigation, preventing leakage and illegal extractions)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Consumption reduction in water supply (preventing leakage and illegal abstraction)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Consumption reduction in industry and energy production	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Consumption reduction in households (appliances, rain harvesting etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Consumption reduction in services (e.g. healthcare, HORECA etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Sustainable freshwater management with 3rd countries (cross-border rivers and aquifers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Preparing for individual events of too little water (droughts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Preparing for individual events of too much water (floods)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Counteracting climate-change-induced worsening of ecological status	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Please specify:

300 character(s) maximum

Preparing for impact of sea level rise on fresh water supply in coastal areas (especially in combination with increased risk of droughts)

Please select the policy tools that could be best used to address climate-related water issues:

All that apply

- Research and innovation
- Data collection and management
- Water allocations and permits
- Water accounting (environmental-economic accounting)
- Water saving requirements / benchmarks
- Water reuse requirements / benchmarks
- Water quality / pollution reduction requirements / benchmarks
- Labelling (of products or services) reflecting water footprint
- Financial or fiscal incentives/disincentives
- Standardisation
- Enforcement at EU level, improved access to justice at national level
- Guidance and coordination
- Water diplomacy (including river or international water conventions)
- Trade agreement provisions
- Awareness raising and communication
- Other

* Please specify:

300 character(s) maximum

While selecting measures, not only look to cost benefit analysis, but also take into consideration if specific measures contribute to different goals

Ocean ecosystems, coastal areas and the blue econom

In your opinion, how important are the following elements for a climate resilient ocean?

0 - Not important at all / 5 – very important

	0	1	2	3	4	5	Do not know
* Nature and ecosystem-based adaptation (e.g. coral conservation and restoration, wetland conservation and restoration)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Ecosystem management tools (e.g. assisted species relocation and coral gardening)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Infrastructure-based approaches (e.g. sea defences, sand nourishment)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Management practices and policies (e.g. fisheries governance)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Cross-sectoral approaches (e.g. Marine Protected Areas, Maritime Spatial Planning, Integrated Coastal Zone Management)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Economic diversification, innovation (e.g. new practices that increase resilience to climate change) and relocation (e.g. relocation of economic activities and urban areas threatened by coastal flooding)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Community-based adaptation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** Please specify:**

300 character(s) maximum

Look at combination of sea level rise, increase risk of storm surges and changes in discharge regimes of rivers (f.e. increased drought in summer, increase change of floods in winter)

Policy support for local authorities and other non-state actors

In your opinion, how important is it for local authorities to promote the engagement in adaptation action of citizens and stakeholders in the following ways?

0 - Not important at all / 5 – very important

	0	1	2	3	4	5	Do not know
* Ensuring clear and realistic timescales to the development and delivery of adaptation plans and programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Ensuring resources (including capacity-building) are available for the development and delivery of adaptation projects.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Identifying adaptation projects with multiple benefits .e. g. health, mitigation, social inclusion, disaster risk reduction etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Ensuring political dividends from any adaptation action	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Building in proper monitoring and evaluation for transparency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Mapping and engaging stakeholders as soon as possible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Informing about local climate risks and impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify:

300 character(s) maximum

Local, regional (sub-national) and national level work together on guidelines and peer-to-peer learning with regard to adaptation.

Closing questions

Finally, you have the opportunity to provide additional information.

Please provide any further information that you believe would be useful for preparing the EU's new Adaptation Strategy.

1000 character(s) maximum

- Keep on working on closing knowledge gaps, with less attention to technical solutions and more attention to the question how adaptation is incorporated in decision making in all policy fields at all levels (both public and private);
- The EU should focus on supporting national authorities to play an active role in stimulating local and regional (sub-national) authorities to take action on adaptation, f.e. by taking initiatives in cooperation, with developing frameworks, standards and/or giving financial support through Cohesion Policy and/or Common Agricultural Policy.
- Research & innovation with regard to climate adaptation also offers opportunities for European companies as they could export their knowledge and experience.
- International adaptation should also include adaptation in countries outside Europe where climate change could lead to large scale economic damage or starvation, with subsequently social unrest and conflicts which also could lead to large scale migration

If appropriate, please upload concise position papers or policy briefs that express the position or views of yourself or your organisation.

- Yes
- No

Background Documents

[EU Adaptation Strategy blueprint](#)

Contact

CLIMA-CLIMATE-CHANGE-ADAPTATION@ec.europa.eu

