

# Questionnaire\_Life SEC Adapt Upgrading Sustainable Energy Communities in Mayor Adapt initiative by planning Climate Change Adaptation strategies

Action D.2.: Socio-economic impact assessment

This questionnaire will assess in the target group identified the sensibility and the knowledge about climate change trends and adaptation measures, and their possible major impacts on the productive and/or social sectors; the knowledge of possible adaptive actions including those at structural and organizational level; and the willingness to accept the adoption of adaptive measures.

## General Information

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### 1. Country

*Contrassegna solo un ovale.*

- Croatia
- Italy

### 2. City

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### 3. Age

*Contrassegna solo un ovale.*

- 15-19
- 20-24
- 25-29
- 30-34
- 35-39
- 40-44
- 45-49
- 50-54
- 55-59
- 60-64
- 65-69
- 70-74
- 75-79
- 80-84
- 85-89
- 90+

**4. Gender**

*Contrassegna solo un ovale.*

- Female  
 Male

**5. Level of Education**

*Contrassegna solo un ovale.*

- Elementary school  
 Middle school  
 High School  
 Bachelor's degree  
 Master's degree  
 Postgraduate studies  
 Other

**6. Background studies (in case you have a university degree or equivalent)**

*Contrassegna solo un ovale.*

- Business and Economics  
 Literature  
 International Affairs  
 Language and Linguistics  
 Law  
 Mathematics and Computer Science  
 Medicine, Nursing and Health Sciences  
 Philosophy  
 Social Sciences  
 Visual and Performing Arts  
 Political Science  
 Engineering  
 Other

## 7. Occupational Sector/Industry

*Contrassegna solo un ovale.*

- Construction
- Agriculture
- Goods and Services Manufacturing
- Machinery Manufacturing
- Education
- Engineering
- Sales/Marketing
- Government
- Legal Services
- Computer/Information Technology
- Energy
- Religious Services
- Economics
- Entertainment/Media
- Altro: \_\_\_\_\_

## 8. Job/Position

*Contrassegna solo un ovale.*

- Clerical/Business Staff
- Housewife/Househusband
- Government Employee
- Government Official (Elected)
- Government Official (Appointed)
- Independent Contractor
- Marketing/Sales
- Owner/President/CEO/Partner
- Professor/Teacher
- Purchasing Leader/Clergy
- Religious (e.g. nun, monk)
- Retired
- Student
- Technical/IS/LAN/Network Management
- Vice Pres./Manager/Financial Officer/CFO
- Health Care Provider/Doctor
- Not Presently Employed
- Altro: \_\_\_\_\_

### 9. Membership in any association

*Contrassegna solo un ovale.*

- Voluntary associations (Red Cross, Civil Protection, etc.)
- Environmental
- Political
- Religious
- Sport/Recreational
- Cultural
- No Membership
- Altro: \_\_\_\_\_

### 10. Target group

*Contrassegna solo un ovale.*

- Commercial and handicraft activities
- Agricultural activities
- Health and social services
- Citizens and consumers associations
- Environmental associations

*Passa alla domanda 11.*

## Perception and Knowledge about climate change

General perception of climate change trends and impacts and knowledge about the problem concerned

### 11. Do you know what climate change is due to? (You can choose more than one option)

*Seleziona tutte le voci applicabili.*

- Greenhouse gases
- Burning coal, oil and gas
- Cutting down forests (deforestation)
- Increasing livestock farming
- Fertilisers containing nitrogen
- Fluorinated gases
- None of the above
- Altro: \_\_\_\_\_

**12. Where have you heard about climate change? (Tick as many as you feel apply)**

*Seleziona tutte le voci applicabili.*

- Television
- Radio
- Newspaper
- Internet
- Specialist publications/academic journals
- Environmental groups (e.g. Worldwide Fund for Nature)
- School/ college/ university
- Government agencies/ information
- Public libraries
- Friends/ family
- Local council
- Energy suppliers
- Altro: \_\_\_\_\_

**13. By ticking one box on each row please indicate how important are the following ways of obtaining information on climate change, its causes and possible adaptive measures**

*Contrassegna solo un ovale per riga.*

	Not at all	Not very much	A little	A lot	Can't choose
A family member or a friend	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A scientist / Expert	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Government (even at local level)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
An energy supplier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
An environmental organisation (e.g. Worldwide Fund for Nature)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The media (e.g. television, radio, newspapers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social networks (e.g. Facebook, Twitter, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia (Specialist publications, academic journals, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Civil Protection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**14. Which of these climate change impacts worries you the most? (Tick up to 5 options)**

*Seleziona tutte le voci applicabili.*

- Changes/Shifting in rainfall seasonality
- Changes in temperature
- Floods
- Droughts
- Soil erosion and desertification
- Ecosystem alterations
- Erosion of the coast, melting ice and rising sea levels
- Reduction in biodiversity
- Economic suffering
- Migrations and conflicts (e.g. Societies will be forced to tackle water and food shortages, possibly conflicts and migration)
- Disease spreads
- Food production is threatened
- Water scarcity
- Extreme weather events occur more frequently (floods, droughts, storms and heat waves)
- Altro: \_\_\_\_\_

**15. On a scale from 0 (nothing) to 4 (much) how much the following human behaviors can cause climate change related problems?**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Agriculture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Factories	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Building allocations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deforestation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overexploitation of natural resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excessive waste production	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Means of transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bad management, construction and maintenance of urban infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**16. Please choose 3 of the most relevant sectors vulnerable to the different impacts of climate change**

*Seleziona tutte le voci applicabili.*

- Energy
- Biodiversity
- Agriculture
- Water Management
- Human health
- Forestry
- Tourism
- Coastal zones management
- Management of Mountainous regions
- Management of urban areas
- Altro: \_\_\_\_\_

**17. Are you aware of the following documentation, including legislation, regarding climate change and adaptation measures, the management and prevention of climate change related problems events (floods, droughts, landslides, buildings allocations):**

*Contrassegna solo un ovale per riga.*

	Yes	No
EU Adaptation Strategy and the European Climate Adaptation Platform (Climate-ADAPT) which aims to support Europe in adapting to climate change	<input type="radio"/>	<input type="radio"/>
Covenant of Mayors (for Climate and Energy) in order to implement EU climate and energy objectives on your city and territory	<input type="radio"/>	<input type="radio"/>
Sustainable Energy Action Plan (SEAP) adopted in your municipality in which concrete adaptation measures are defined	<input type="radio"/>	<input type="radio"/>
European Directives	<input type="radio"/>	<input type="radio"/>
National Framework Law	<input type="radio"/>	<input type="radio"/>
Regional laws	<input type="radio"/>	<input type="radio"/>
Evacuation plans	<input type="radio"/>	<input type="radio"/>
Scientific reports	<input type="radio"/>	<input type="radio"/>
Have you been contacted and/or involved in the drafting of the Sustainable Energy Action Plan (SEAP)	<input type="radio"/>	<input type="radio"/>

**18. For the statements listed below please indicate how much you agree or disagree with it.**

*Contrassegna solo un ovale per riga.*

	Strongly agree	Agree	Uncertain	Disagree	Strongly agree
Climate change has already had or will have an impact on my area/territory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am willing to change the place where I live in order to reduce the exposure to extreme weather events (e.g. floods, droughts, landslides, etc.) and related impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, the behavior of the individual (single citizen) can change the course of the events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that my behavior can limit or accentuate climate change impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The effects of climate change (e.g. droughts, heavy rainfall, water scarcity, etc.) can have some influence on my work activity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extreme weather events (e.g. floods) are not just destruction but also opportunities (economic, structural, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**19. How important is to you personally the issue of climate change and to address its impacts?**

*Contrassegna solo un ovale.*

	0	1	2	3	4	
Absolutely not	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extremely important

**20. Who do you think should have the main responsibility for tackling climate change?**

*Contrassegna solo un ovale.*

- International organizations (e.g. European Union, United Nations)
- The national government
- Local government
- Business and industry
- Environmental organisations/ lobby groups (e.g. Worldwide Fund for Nature)
- Individuals
- Altro: \_\_\_\_\_

**21. Do you consider it necessary to have adaptation strategies to cope with climate change impacts?**

*Contrassegna solo un ovale.*

- investing resources on adaptation is important
- some measures are necessary
- only few measures are necessary
- not at all



## CITIZENS AND CONSUMERS ASSOCIATIONS

Resilience of the subject to which the survey is submitted (knowledge and willingness to accept adaptation measures).

It is intended to assess the extent to which those impacts are recognized and taken into account by stakeholders groups and citizens in general. Adaptation actions are measures intended to minimize the risks and consequences of climate change (e.g. protecting the health, well-being and citizens' assets, preserving natural heritage, maintaining or improving the adaptability of natural, social and economic systems as well as taking advantage of any opportunities that may be present with new climate conditions). This will include both "hard" responses, or structural measures, such as the construction of new or enlargement of engineering structures, and "soft" responses or organizational actions, such as changes in legislation or the operating rules of existing structures.

**22. On a scale of 0 (nothing) to 4 (very) on the climate change issue and impacts are more important the indications provided by:**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Mayor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Civil Protection personnel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Family member	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Person with previous personal experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Law enforcement personnel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Friends / relatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific expert	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public figure	<input 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 type="radio"/>

**23. Are you willing to attend training courses or informative events related to climate change impacts?**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

**24. On a scale from 0 (nothing) to 4 (very) what kind of training/education would you prefer?**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Public meetings on the causes of such events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public meetings on how to behave in such circumstances	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Courses on First Aid Techniques	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Online courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Company specific courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excursions to the places affected	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not have preferences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**25. On a scale from 0 (nothing) to 4 (very much) what habits do you think are useful in order to limit the effects of climate change?**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Using public transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using the bicycle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recycling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reducing the purchase of goods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reducing the use of fuels and electricity in your home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reducing water consumption	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Equipping your home of alternative energy systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taking part in a campaign about environmental issue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not think the habits of citizens can influence the problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**26. Of the habits listed below, which do you actually put into practice:**

*Seleziona tutte le voci applicabili.*

- Using public transport
- Using the bicycle
- Recycling
- Reducing the purchase of goods
- Reducing the use of fuels and electricity in your home
- Reducing water consumption
- Equipping your home of alternative energy systems
- Taking part in a campaign about environmental issue
- I am not willing to put into practice any specific habit for a better management of the problem
- I find useless to put into practice any particular habit for a better problem management

**27. Mark with an X the key factors for adaptive capacities that, you believe, are missing in your territory**

*Seleziona tutte le voci applicabili.*

- Economic resources
- Technology
- Information skills and management
- Infrastructure
- Institutions and networks
- Legal framework
- Social Equity

**28. In your opinion, which are the most important aspects (among those listed above) for climate adaptation of urban settlements? (Tick up to 3 options)**

*Seleziona tutte le voci applicabili.*

- Stopping new land use and redevelopment of abandoned areas
- Improving energy performance of buildings
- Reducing energy consumption and promoting energy production
- Knowledge of territorial and infrastructural vulnerabilities
- Security of water supply
- Increasing urban green areas
- Information and training activities for citizens
- Coordination with all the actors of the territorial government
- Redevelopment of public spaces
- Altro: \_\_\_\_\_

**29. Which adaptation actions do you think are necessary regarding information of extreme weather events? (Reorder each action in order of personal importance from 1 = more important to 5 = less important)**

*Contrassegna solo un ovale per riga.*

	1	2	3	4	5
I keep up with the forecast, the weather situation and the evolution of the climatic events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to check which are the safe areas of my territory (waiting areas and areas of assistance to the population)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enquire about the territorial issues/problems, the risks and the behaviors to be held.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I inform myself on safety procedures in case of emergency (workplace, school or recreational venues)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I keep up with the municipal emergency plan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**30. Which adaptation actions would you propose to your public administration? Reorder each action in order of personal importance from 1 = more important to 5 = less important)**

*Contrassegna solo un ovale per riga.*

	1	2	3	4	5
The realization of a vademecum on what the citizen can do to be useful (territorial control, waste removal, weeding, collecting woods from the ground, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extracurricular activities in collaboration with the Civil Protection (e.g. alert simulations, education / training activities etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Making readily available the municipal civil protection plan and better informing on the safe areas by organizing a calendar of regular meetings and guided tours for citizens at the operational bases of the civil protection.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I propose a joint action for cleaning and maintenance of the river bank, river beds and beaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information activities for tourists on the risks of the territory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**31. Which adaptation actions would you bring forward within your family to minimize the risks of climate change related events? (Order each action in order of personal importance from 1 = more important to 5 = less important)**

*Contrassegna solo un ovale per riga.*

	1	2	3	4	5
Gearing up with my family for a possible evacuation by establishing the essential things to do (check list)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Checking the safety standards of my house and adapting functionally the house in relation to possible risk scenarios	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participating in the initiatives on the topic proposed by the public administration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creating and promoting the family emergency plan (emergency telephone numbers, information on home equipment to disable, etc.) and keeping at home an emergency kit (copy of documents, a first aid kit, a flashlight, a battery-powered radio, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cleaning / non-blocking sewer covers next to your home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**32. Which adaptation actions would you bring forward within your community to minimize the risks of climate change related events? (Order each action in order of personal importance from 1 = more important to 5 = less important)**

*Contrassegna solo un ovale per riga.*

	1	2	3	4	5
Contributing to the dissemination of the municipal civil protection plan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Keeping my neighborhood clean	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Committing myself to civil protection and environmental protection activities in my municipality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arranging a condominium emergency plan by identifying appropriate communication strategies (e.g. a condominium WhatsApp group)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Appointing myself/Running as a referent for the problems related to climate hazards in my neighborhood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**33. Which adaptation actions would you bring forward within your workplace to minimize the risks of climate change related events? (Order each action in order of personal importance from 1 = more important to 5 = less important)**

*Contrassegna solo un ovale per riga.*

	1	2	3	4	5
Verifying that there is an alert system in my company for a climate hazard event	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Checking whether there is an emergency plan in your company	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensuring that adequate communication and information is provided to all workers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soliciting investments to secure the building to reduce climate risks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Checking that all the information useful for dealing with climate risks is available on the company website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**34. Is there a best practice that you put into practice that you would like to describe?**

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35. If you have anything to add about the issues raised in this questionnaire or any comments about the questionnaire itself, please write them here. Thank you for giving up your time to complete this questionnaire. It is very much appreciated.

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## AGRICULTURAL ACTIVITIES

Resilience of the subject to which the survey is submitted (knowledge and willingness to accept adaptation measures).

It is intended to assess the extent to which those impacts are recognized and taken into account by stakeholders groups and citizens in general. Adaptation actions are measures intended to minimize the risks and consequences of climate change (e.g. protecting the health, well-being and citizens' assets, preserving natural heritage, maintaining or improving the adaptability of natural, social and economic systems as well as taking advantage of any opportunities that may be present with new climate conditions). This will include both "hard" responses, or structural measures, such as the construction of new or enlargement of engineering structures, and "soft" responses or organizational actions, such as changes in legislation or the operating rules of existing structures.

Soft measures - Building adaptive capacity (research, mapping and modelling impacts and vulnerability, risk assessments, planning, developing and participating in networks, awareness raising, training, institutional strengthening, financial measures) and hard measures – Operational (infrastructure development) are necessary to cope with the effects of climate change.

36. On a scale from 0 (nothing) to 4 (very) the climate change impacts you have experienced in your sector are mainly related to:

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Exceptional temperature rise (especially in summer)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased frequency of extreme weather events (heat waves, droughts and severe rainfalls)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Floods and/or landslides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced annual precipitation and river flow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited/Reduced water availability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soil degradation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

37. On a scale from 0 (nothing) to 4 (very) how much of the following conditions have you experienced in the agricultural sector?

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Increasing yield variability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Declining average yield	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Varying spread of plant diseases and pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced crop yields especially in summer for spring sown crops (e.g. maize, sunflower and soybeans)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possible increase in the use of pesticides to cope with climate change-related variations of the geographic range of pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possible intensification of the competition for water between different sectors and uses, and potential rise of costs related to the irrigation due to increasing water demand in agriculture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possibility of planting new crops compared to the past	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

38. On a scale from 0 (nothing) to 4 (very) how much of the following conditions do you believe you will experience in the future due to climate change in the agricultural sector?

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Increasing yield variability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Declining average yield	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Varying spread of plant diseases and pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced crop yields especially in summer for spring sown crops (e.g. maize, sunflower and soybeans)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possible increase in the use of pesticides to cope with climate change-related variations of the geographic range of pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possible intensification of the competition for water between different sectors and uses, and potential rise of costs related to the irrigation due to increasing water demand in agriculture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possibility of planting new crops compared to the past	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**39. According to your opinion is climate change already influencing design criteria and management policies in your territory/area?**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

**40. Do you believe that improved water retention actions in agricultural areas can have a positive impact on your activity?**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree





**42. On a scale from 0 (nothing) to 4 (much) how much the following possible structural adaptation measures are needed in your area**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Maintenance and rehabilitation of infrastructure (dams, levees, dykes, river embankments, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintenance and enhancement of water storage reservoirs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Channel construction for water diversion from nearby basins	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase of natural water retention and water storage in watersheds (extending floodplains, creation of wetlands and polders)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enhancement of infiltration and retardation of water (reducing impermeable areas, building groundwater cisterns etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water reuse and water recycling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expanded use of rainwater harvesting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea water desalination	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**43. Knowledge of possible non-structural (adaptation) measures in your area/territory:**

*Contrassegna solo un ovale per riga.*

	Measure is not needed in the area	Measure exists and is fully implemented	Measure exists, enhancement is planned	Measure exists, enhancement is not planned	Measure not exists, but planned	Measure not exist & is not planned	Don't know
Early warning system for droughts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Early warning system for floods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flood mitigation system of forecasting, early warning, evacuation and post-flood recovery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved land use in agriculture: crop substitution & diversification, modified vegetation cover to reduce evapotranspiration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture practices reducing runoff (catch crops, no black fallow)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adjustment of planting dates and crop varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Land use planning accounting on higher frequency of extreme events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Zoning (delineation of floodplain zone with low-value infrastructure)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensuring appropriate construction methods in flood-prone areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved water use efficiency in different sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Development of water allocation strategies among competing demands, exchange of water rights	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
System of water pricing, quotas and subsidies, legal measures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drought contingency planning:							

restrictions on water use, rationing schemes, special water tariffs, reduction of low-value uses

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Development of non-farm livelihoods in drought affected areas

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Risk spreading method: climate-related hazards insurance

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Information and education on flood protection and scarce water resources usage

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Application of new technologies: efficient cooling systems, improved seeds, desalinization etc.

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**44. On a scale from 0 (nothing) to 4 (very much) how much the possible non-structural measures are needed in your territory/area.**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Early warning system for droughts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Early warning system for floods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flood mitigation system of forecasting, early warning, evacuation and post-flood recovery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved land use in agriculture: crop substitution & diversification, modified vegetation cover to reduce evapotranspiration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture practices reducing runoff (catch crops, no black fallow)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adjustment of planting dates and crop varieties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Land use planning accounting on higher frequency of extreme events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Zoning (delineation of floodplain zone with low-value infrastructure)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensuring appropriate construction methods in flood-prone areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved water use efficiency in different sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Development of water allocation strategies among competing demands, exchange of water rights	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
System of water pricing, quotas and subsidies, legal measures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drought contingency planning: restrictions on water use, rationing schemes, special water tariffs, reduction of low-value uses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Development of non-farm livelihoods in drought affected areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Risk spreading method: climate-related hazards insurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information and education on flood protection and scarce water resources usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Application of new technologies: efficient cooling systems, improved seeds, desalinization etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**45. Is there a best practice within your company/activity that can be traced back to the theme of climate change? If yes, can you describe it?**

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46. If you have anything to add about the issues raised in this questionnaire or any comments about the questionnaire itself, please write them here. Thank you for giving up your time to complete this questionnaire. It is very much appreciated.

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## HEALTH AND SOCIAL SERVICES

Resilience of the subject to which the survey is submitted (knowledge and willingness to accept adaptation measures).

It is intended to assess the extent to which those impacts are recognized and taken into account by stakeholders groups. Adaptation actions are measures intended to minimize the risks and consequences of climate change (e.g. protecting the health, well-being and citizens' assets, preserving natural heritage, maintaining or improving the adaptability of natural, social and economic systems as well as taking advantage of any opportunities that may be present with new climate conditions). This will include both "hard" responses, or structural measures, such as the construction of new or enlargement of engineering structures, and "soft" responses or organizational actions, such as changes in legislation or the operating rules of existing structures.

47. On a scale from 0 (not at all) to 4 (very), how much do you believe climate change can directly and/or indirectly impact the health, welfare and safety of the population?

*Contrassegna solo un ovale.*

	0	1	2	3	4	
Not at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very much

48. On a scale of 0 (nothing) to 4 (very) an extreme weather event in your territory would create material damage to :

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Everything	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban territory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
People	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Factories and manufacturing plants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cultural heritage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

49. On a scale of 0 (nothing) to 4 (very) an extreme weather events (e.g. violent flood, heat-related, water scarcity) in your territory would create physical damages (health related problems) mainly to:

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Elders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disabled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General population (citizens in general)	<input 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 type="radio"/>

50. On a scale of 0 (nothing) to 4 (very) an extreme weather events (e.g. violent flood, heat-related, water scarcity) in your territory would create psychological damages (health related problems) mainly to:

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Elders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disabled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General population (citizens in general)	<input 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 type="radio"/>

51. On a scale from 0 (nothing) to 4 (very) how much of the following conditions have you experienced during the last years due to climate change impacts?

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Increased heat-related mortality and morbidity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(Slight) reduction of cold-related mortality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased risk of injuries, morbidity (e.g. enteric infections, post traumatic stress disorder and vector-borne diseases) and fatalities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased respiratory diseases and allergic disorders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adverse consequences of potentially more frequent and prolonged extreme ozone events and increasing toxicity of pollutants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase in the incidence of West Nile fever and leishmaniasis, risks of malaria and dengue fever and spreading of vector-borne diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

52. On a scale from 0 (nothing) to 4 (very) how much of the following conditions do you believe you will experience in the future due to climate change in the health and social sector?

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Increased heat-related mortality and morbidity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(Slight) reduction of cold-related mortality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased risk of injuries, morbidity (e.g. enteric infections, post traumatic stress disorder and vector-borne diseases) and fatalities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased respiratory diseases and allergic disorders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adverse consequences of potentially more frequent and prolonged extreme ozone events and increasing toxicity of pollutants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase in the incidence of West Nile fever and leishmaniasis, risks of malaria and dengue fever and spreading of vector-borne diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

53. On a scale from 0 (nothing) to 4 (very) the climate change impacts you have experienced in your sector are mainly related to:

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Exceptional temperature rise (especially in summer) - summer heat waves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Milder winter temperatures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extreme weather events (floods, heavy precipitation and fires events)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changes in air pollution concentrations that may be aggravated by climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced annual precipitation and river flow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited/Reduced water availability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

54. According to your experience which of the following groups is more vulnerable to the impacts of climate change on health?

*Contrassegna solo un ovale.*

- Elders
- Children
- Population in general
- None of the above
- Altro: \_\_\_\_\_



55. On a scale from 0 (nothing) to 4 (very) what is it useful to improve extreme weather events (e.g. floods, landslides, etc.) management?

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Population training and exercises on First Aid Techniques	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More technicians (A greater number of technicians)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investments on prevention	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sensitization of political administrators and decision makers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Population sensitization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plan the use of the territory in a sustainable way	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**56. On a scale from 0 (not at all) to 4 (very) how much the following adaptation measures are needed in order to address climate related issues?**

*Contrassegna solo un ovale per riga.*

	0	1	2	3	4
Programming of ad hoc teaching courses on issues related to climate change and health consequences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inclusion in the national research program of areas dedicated to the mitigation of social and health risks from environmental determinants and climatic conditions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Guidelines for local decision makers on the use of technologies and materials resilient to climate change and variability, applied to urban and suburban transport infrastructures, private, commercial and hospital buildings, integrated water services.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tax incentives for the use of resilient technologies and materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inclusion of topics related to climate change and health in higher education courses in strategic sectors.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Programming of training courses for operators in non-health strategic sectors on emerging socio-economic risks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Development of research and application of technologies and materials resilient to changes and variability of the climate, aimed at reducing social and health risks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Development of a database of adverse meteorological events and their impacts on health, wellbeing and safety on the population, i.e. deaths, affected population, morbidity and access to health care, post-traumatic psycho-physical diseases and socio-economic damage to residential, economic and logistics infrastructures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Establishment of a population information program for risks from environmental determinants, and climatic and extreme weather events, with reference to vulnerable groups and settlements / communities;	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Revision of protocols and procedures for risk management of contaminated water and food	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Programming of early warning systems and environmental monitoring of plant species (toxic, allergenic) and animals (toxic, alien species that impact on animal health, carriers of infectious diseases);	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementation of environmental controls and monitoring systems for hydrotransmitted diseases;	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Updating and strengthening of sector regulations;	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Strengthening the resilience of integrated water services to extreme weather events	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Creation of synergies between environmental, meteorological, climatic and socio-health services, also through the creation of multidisciplinary and inter-institutional technical tables	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Ad hoc training of operators in the health sector on emerging risks.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Guarantee to the population accessible, coherent and reliable information on the risks to health and the possibility of avoiding or reducing them.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

**57. Is there a best practice within your activity that can be traced back to the theme of climate change?**

*Contrassegna solo un ovale.*

- Yes  
 No

**58. If yes, can you describe it?**

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**59. If you have anything to add about the issues raised in this questionnaire or any comments about the questionnaire itself, please write them here. Thank you for giving up your time to complete this questionnaire. It is very much appreciated.**

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## COMMERCIAL AND HANDICRAFT ACTIVITIES

Resilience of the subject to which the survey is submitted (knowledge and willingness to accept adaptation measures).

It is intended to assess the extent to which those impacts are recognized and taken into account by stakeholders groups. Adaptation actions are measures intended to minimize the risks and consequences of climate change (e.g. protecting the health, well-being and citizens' assets, preserving natural heritage, maintaining or improving the adaptability of natural, social and economic systems as well as taking advantage of any opportunities that may be present with new climate conditions). This will include both "hard" responses, or structural measures, such as the construction of new or enlargement of engineering structures, and "soft" responses or organizational actions, such as changes in legislation or the operating rules of existing structures.

60. **Extreme weather events such as floods, landslides, typhoons, heat or cold waves are a growing threat to your territory/activity:**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

61. **The damages caused by these climatic hazard have serious repercussions on the economic stability and growth of the affected areas.**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

62. **Have you suffered damages from extreme weather events in the last 5 years?**

*Contrassegna solo un ovale.*

- Yes
- No

63. **If yes, could you quantify it in monetary terms?**

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64. **Small and Medium Enterprises do not have adequate risk assessment and risk management tools.**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

65. **Is the budget foreseen to allocate resources for the implementation of climate risk reduction actions? //Does the company's budget envisage allocating resources for the implementation of climate risk mitigation actions?**

*Contrassegna solo un ovale.*

- Yes
- No
- I don't know

**66. Have the necessary resources been assessed to manage a climate emergency and ensure the continuity of the company's activities?**

*Contrassegna solo un ovale.*

- Yes
- No
- I don't know

**67. Has it been verified whether you can obtain funding from third parties (public, private) for climate risk reduction interventions?**

*Contrassegna solo un ovale.*

- Yes
- No
- I don't know

**68. PREVENTION: For all the actions listed below indicates if it is not applicable to your company, if it is already in place or if you would be willing to include it in the plan to adapt to climate change**

*Contrassegna solo un ovale per riga.*

	Not applicable	Already in place	Insert in the plan
Set up a program of periodic inspections (video inspections) in order to periodically check the possible performance change of plants and machinery as the temperature varies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check the compatibility of the maximum operating temperatures of machines / plants with the ambient temperature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Realizing green roofs (extensive maintenance-free roofing) and roof gardens (intensive green roofing, requiring maintenance comparable to that of normal gardens) to increase the thermal insulation of the building, reduce heat loss and promote cooling (green roofs with grass lawn, indigenous dry meadow, sedum carpet, natural lawn, perennial herbaceous carpet, ground cover shrubs, trees and hedges, vegetable garden)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Making greening systems and vertical green walls to increase the thermal insulation of the building, reduce heat loss and promote cooling (vertical greening systems juxtaposed to the perimeter wall of a building, vertical greening systems integrated into the architectural envelope, vertical greening systems for green containment walls)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Restrict in the underground and / or semi-buried rooms the presence of vulnerable / water-damaging elements (where present): goods, machinery, toxic or noxious substances, more sensitive archives and / or documents, electronic equipment (including servers). Place them in areas of the plant at lower risk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Position the most critical machinery on a base at a height higher than the floor level (where possible)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creating external paving of roads and aprons with a high permeabilization index compared to traditional asphalt (slabs or cubes in non-sealed porphyry, gravel foundations, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Place the goods or machinery in a protected area against the risk of rain damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do not place goods with a high level of vulnerability under outdoor sheds open from several sides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Carry out at least a monthly cleaning of the eaves and downpipes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Periodically check the seals, gaskets and closures of doors, windows and fixtures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide a constant and regular monitoring of the sewage system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Place metal elements inside the building, properly installed and insulated to ensure ground discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reforestation of the most fragile slopes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluate whether to stipulate a policy to transfer to an insurance the risk for damage from climatic events that can not be reduced by direct intervention.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assess measures to reduce the catch activities to a period that does not compromise the main supply contracts or the same business continuity, even considering the intervention of companies specializing in disaster recovery planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create partnerships with other local companies, business associations and public administration to carry out joint risk reduction projects, optimizing the efforts and resources invested individually	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identify a company representative who monitors the weather alerts with the competent local authorities (Municipality, Civil Protection) and activates the emergency procedures to ensure the safety of workers and company sites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluate the resources necessary to manage a possible emergency in order to intervene immediately to limit the economic-financial impact of the damage and return as soon as possible to the normal situation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluate the extent of potential damage that the company may suffer and the cost of preventive measures to be implemented by providing adequate resources in the company budget	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Periodically carry out exercises and / or simulations for the management of emergencies, including cases of extreme weather events.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Train and inform staff about risks related to climate change and emergency management procedures in the event of a natural disaster	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**69. MANAGEMENT: For all the actions listed below indicates if it is not applicable to your company, if it is already in place or if you would be willing to include it in the plan to adapt to climate change**

*Contrassegna solo un ovale per riga.*

	Not applicable	Already in place	Willing to insert in the plan
Realize in the areas owned by the company green lawn areas, with hedges and trees to reduce the effect of the heat island (parks, gardens, parking lots and rest areas)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check the temperatures on storages of materials that could give rise to fire principles with probes and thermal sensors (eg flours, rags, paper)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide for the installation of automatic temperature detection systems, with an appropriate signaling mechanism in a manned area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make mobile or fixed barriers, such as retaining walls, bulkheads, in order to remove the flood current	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Purchase, implement and place active prevention equipment, such as first rain tanks, self-expanding bags (like slim fat ®) or sand bags	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement water flow paths in strategic areas, ie not occupied by goods and / or machinery (in particular for areas below the level of the water bed)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Install submerged water suction pumps: the pumps must be suitable for turbid liquids, have a flow rate suitable for the maximum amount of water provided in the event of flooding and always have a non-return valve to prevent water from entering in the event of a fault through the delivery pipe.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement a drainage and rainwater collection system	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use low voltage protected sockets for electronic equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Install voltage regulators to protect against voltage spikes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Install a lightning protection system in order to intercept direct lightning with a pickup system, conduct the lightning current safely to the ground with a drop system, and distribute the lightning current into the ground through the lightning system grounding.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Construction and maintenance of defense works and structural interventions with containment works such as retaining walls and gabions, anchors,	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



micropiles, rockfall nets, or weighting the foot of the landslide with inert material to stabilize it, with cement injections, layers of spritz-beton .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consolidation of unstable landslides / hills / mountainous slopes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Install water consumption measurement devices in each production area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Implement systems for the collection and reuse of rainwater for compatible uses (eg washing of external areas, irrigation / spraying, cooling towers or cooling, feeding of the thermal cycle), using special attention in the collection (eg covers with special sheaths and absence of stagnations) and for storage (tanks with food coating) that allow, after treatment of water purification, the reuse of rainwater even in the company production processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Depending on the specific production cycle, assess the feasibility of the recovery of the internal waters of the plant (closed cycle process)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Implement systems for the separation of wastewater deriving from production processes (which require purification) from those that do not require purification (rainwater, cooling water) for a possible reuse of the latter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**70. EMERGENCY: For all the actions listed below indicates if it is not applicable to your company, if it is already in place or if you would be willing to include it in the plan to adapt to climate change**

*Contrassegna solo un ovale per riga.*

	Not applicable	Already in place	Willing to insert in the plan
Provide a specific plan in case an event of significant importance occurs (hot or cold)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prepare a disaster recovery plan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carry out a verification with the municipal authorities about the classification in terms of danger of the area in which the plant is located and verify any interventions for securing the territory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Envisage a specific plan for the storage of sensitive products (goods and / or toxic or harmful substances) in case of an event of significant importance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create a refuge area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Envisage uninterruptible power supplies for office machines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preparation of a business emergency plan that also takes into account landslide risk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**71. Is there a best practice within your company that can be traced back to the theme of climate change? If yes, can you describe it?**

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**72. If you have anything to add about the issues raised in this questionnaire or any comments about the questionnaire itself, please write them here. Thank you for giving up your time to complete this questionnaire. It is very much appreciated.**

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## **ENVIRONMENTAL ASSOCIATIONS**

Resilience of the subject to which the survey is submitted (knowledge and willingness to accept adaptation measures).

It is intended to assess the extent to which those impacts are recognized and taken into account by stakeholders groups. Adaptation actions are measures intended to minimize the risks and consequences of climate change (e.g. protecting the health, well-being and citizens' assets, preserving natural heritage, maintaining or improving the adaptability of natural, social and economic systems as well as taking advantage of any opportunities that may be present with new climate conditions). This will include both "hard" responses, or structural measures, such as the construction of new or enlargement of engineering structures, and "soft" responses or organizational actions, such

as changes in legislation or the operating rules of existing structures.

**73. From which institutions have you received information materials on extreme weather events (floods), related problems (e.g. water scarcity) and on how to behave?**

*Contrassegna solo un ovale.*

- Municipality
- Region
- Civil protection
- I have not received any information material
- Altro: \_\_\_\_\_

**74. Which institutions have organized public training sessions / informative meetings / workshops on climate change related problems and how to behave:**

*Seleziona tutte le voci applicabili.*

- Municipality
- Regional Government
- Civil protection
- No public training sessions were organized
- Altro: \_\_\_\_\_

**75. An effective information campaign on climate change risks is the basis for prevention and future adaptation strategies:**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

**76. Rate from 0-4 (0 lowest value) activities and local initiatives in your municipality connected to awareness raising about adaptation to climate change**

*Contrassegna solo un ovale.*

0	1	2	3	4
<hr/>				
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<hr/>				

**77. I believe that the responsible authorities are efficient in managing climate change impacts and related problems: (Do you believe that....)**

*Contrassegna solo un ovale.*

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

**78. Considering the experience you developed through the years, which of the following adaptation measures do you think should be primarily implemented in your territory? (3 choices)**

*Seleziona tutte le voci applicabili.*

- Technical flood protection (raise dikes, enlarge reservoirs, upgrading drainage systems)
- Natural retention of flood water (floodplain restoration, change of land use)
- Restriction of settlements (in risk areas)
- Improving insurance schemes against flood damage
- Reinforce or heighten existing coastal protection infrastructure
- Disaster response enhancement (improved reaction in extreme weather situations- warning systems for flood and droughts)
- Improved civil preparedness for protecting health in case of extreme weather events
- Monitoring of meteorological, maritime and shoreline indicators, geological surveys, assessing beach profiles
- Appropriate land use planning bearing in mind impacts of climate change
- Promoting sustainable agriculture practices (conserving moisture, improved irrigation, soil erosion prevention measures, integrated management, selection of appropriate varieties for cultivation)
- Increase protected forest area and improved forest fire warning system
- Implementing plans or projects for conservation of biodiversity

**79. Which adaptation actions would you propose to your public administration? Reorder each action in order of personal importance from 1 = more important to 5 = less important)**

*Contrassegna solo un ovale per riga.*

	1	2	3	4	5
The realization of a vademecum on what the citizen can do to be useful (territorial control also as collectivity, waste removal, weeding, collecting woods from the ground, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extracurricular activities in collaboration with the Civil Protection (e.g. alert simulations, education / training activities etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Making readily available the municipal civil protection plan and better informing on the safe areas by organizing a calendar of regular meetings and guided tours for citizens at the operational bases of the civil protection.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I propose a joint action for cleaning and maintenance of the river bank, river beds and beaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information activities for tourists on the risks of the territory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

80. **Have you ever been contacted by your regional/local administration to jointly realize activities connected to climate change (e.g. information awareness, capacity building, etc.)?**

*Contrassegna solo un ovale.*

- Yes
- No
- I don't know

81. **On a scale from 0 (worst) to 4 (best) how would you rate the relationship with the institutions/authorities responsible for climate change related activities?**

*Contrassegna solo un ovale.*

0	1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

82. **Is there a best practice within your association/organization that can be traced back to the theme of climate change? If yes, can you describe it?**

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83. **If you have anything to add about the issues raised in this questionnaire or any comments about the questionnaire itself, please write them here. Thank you for giving up your time to complete this questionnaire. It is very much appreciated.**

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