

European Commission's Group of

Chief Scientific Advisors

Adaptation to health effects of climate change in Europe



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Mandate: scoping question

Which adaptation measures could strengthen the resilience of the health sector in Europe in view of climate change?

The Opinion will give special regard to vulnerable groups, regions and the urban environment, considering specifically impacts from vector-borne infectious diseases and heat and heat waves.





Steps towards the Scientific Opinion

- Scoping Paper, meeting with responsible policy Directorates-General
- EASAC report "The imperative of climate action to protect human health in Europe"
- SAM literature review "Adaptation to climate-change related health effects in Europe"
- Expert elicitation (two workshops, sounding board)
- Stakeholder meeting





Recommendation 1: Integrate human health into all climate change adaptation policies

The integration of health aspects in all policies should take place across all sectors and governance levels affected by the climate change adaptation strategies and plans.

The EC should offer strategic direction and coordination for that integration across all governance levels (European, national, regional and local) taking into account international goals,

Moreover, we recommend strong support for policy learning across all policy sectors and governance levels, evidence-based assessment of adaptation actions, and closing evidence gaps.





How to do it? Recommended policy actions:

- Promote synergies across all policy areas relevant to health, and increase the effort in integrating climate adaptation and health considerations into policies and standards, notably in:
 - land use (e.g. the role of health in urban, spatial and coastal planning)
 - building design, and infrastructures (e.g. for energy), such as supporting the incorporation of health-related climate-neutral, climate adaptation measures in building and infrastructure standards and codes
 - disaster management, water and food supply, including provision of safe water and healthy food
- Seek and prioritise synergies with climate mitigation actions and disaster risk reduction.

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- Use the entire mix of policy interventions available at the EU level in order to intensify adaptation efforts in general, and particularly integration of health into climate adaptation. For instance:
 - embed health-related requirements into the guidance for national adaptation strategies and plans
 - targeted funding of adaptation projects, and projects supported by e.g.
 European structural and investment funds; e.g. city-level risk assessment of urban heat islands, and ways to reduce them through planning measures, or local planning and risk assessment to identify areas with greater mosquito breeding potential
- Support evidence-based assessment of planned, ongoing and completed climate adaptation actions.





Recommendation 2: Support the resilience of the health sector

The EU should use its complementary role in health policy to support the capacity and preparedness of the health sector in the EU to deal with climate change impacts, as part of broader disaster and emergency risk strategies, including surveillance, monitoring and assessment.





How to do it? Strengthen the health sector itself:

- Support the education and training of personnel in the health and social care sector (for instance with regard to relevant risks and emergencies);
- Organise availability of critical components such as stocks of equipment, medicines, vaccines and testing capacity within Europe and support member states and other entities in acting towards such a goal in order to mitigate any health-care crises;
- Support improving basic infrastructure, and amend policies for building and design to include infrastructure adjustment, in relation to heat waves and other risks to health. Infrastructure adjustments should be undertaken whilst considering energy costs and alternative cooling/heating solutions.





- Support health services by improved infrastructures at EU level:
 - Considering the creation of a disaster risk and climate change and health knowledge centre or coordinating mechanism;
 - Extending capabilities of the EU to deal with cross-border threats, based on formal competence, in relation to for example infectious diseases, and ways for the EU to address international dimensions of health risks;
 - Further developing the European climate adaptation platform (ClimateADAPT, Copernicus services, C3S);
 - Supporting surveillance, monitoring and assessment, as well as early warning systems for climate-sensitive processes and diseases. This includes the integration of environmental and health (epidemiology) datasets, as well as interactions between environmental and health agencies.





Recommendation 3: Design policies to support the most vulnerable social groups and geographical areas

Particular focus should be placed on reinforcing adaptation actions in geographical areas that are particularly vulnerable to healthrelevant hazards resulting from climate change, such as heat waves, vector-borne infectious diseases, floods and droughts. Socially just adaptation measures should aim to cater for the social

Socially just adaptation measures should aim to cater for the social groups that are the most vulnerable to climate-related health impacts.





How to do it?

- Seek synergies with health-related preventive adaptation policies, e.g., in building and infrastructure design; e.g. design of elderly care homes (preventive measures), dedicated measures for the elderly in heathealth plans and in preparedness for disease outbreaks;
- Support an understanding of multiple vulnerabilities and how this may impact groups (such as for instance chronic disease amongst elderly); promote the integration of socio-economic data sets and monitor and assess policy implementation, with attention to vulnerable groups and areas;
- Support local policies and initiatives for policy transfer and scaling-up potential, e.g. existing urban initiatives to identify socially just adaptation actions.





Thanks!