



Contact and Information

Der Senator für Umwelt, Bau und Verkehr

Referat Umweltinnovationen &
Anpassung an den Klimawandel
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Dear citizens of Bremen,

Global climate change is no wild speculation but rather a fact, and it affects Bremen directly. Being the second largest port in Germany, the city of Bremen lives near and with the water. Sea level rise, increase in the frequency and intensity of storms, heavy rainfall, inland river floods and also heat waves are some of the challenges facing Northern Germany. At the same time, the river Weser is the economic lifeline of our city, and the river banks are important local recreation areas for our population. Therefore, it is all the more important that we adapt to the impacts of climate change at an early stage.

By developing the strategy for adaptation to climate change we have identified primary fields of action and specified important preventive measures. With the research project BREsilient we would like to invite local businesses, research institutions, administration representatives and you as citizens to take up the challenge of dealing with climate change and to develop solutions together.

Dr. Joachim Lohse
Senator for Environment,
Urban Development and Mobility



Project Coordination:

Der Senator für Umwelt,
Bau und Verkehr



Cooperation Partners:



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On-site research

The project BREsilient

Extreme weather events such as heavy rainfall and flooding will affect Bremen both as a place to live and as an economic center. The main aim of BREsilient is to prevent damages from events such as these as well as other climate change impacts. The research project builds on Bremen's strategy for adaptation to climate change, which identifies concrete key adaptation measures for Bremen and Bremerhaven.

Engaging and preparing - for a secure city on the river

Together with the local actors we will develop concepts and measures in order to adapt to the consequences of climate change in **four pilot areas**. In the course of the project we will engage all citizens who work or spend their free time in the chosen areas, as well as local associations, companies and institutions. Through a number of meetings the current situation will be analyzed, ideas collected and possible solutions necessary for adapting to the impacts of climate change will be discussed.



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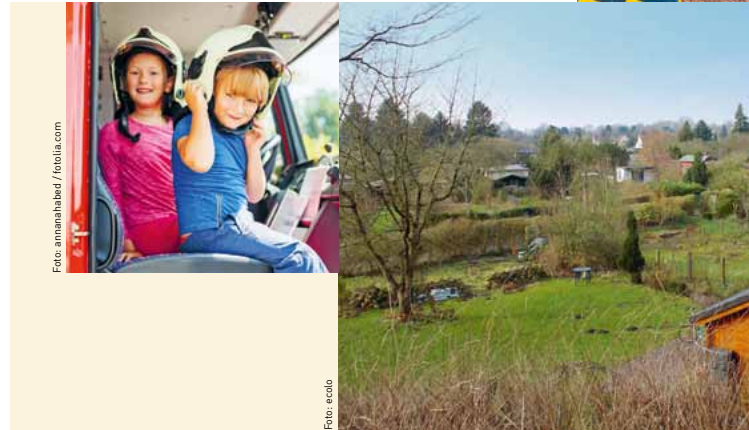


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Understanding the risks of flooding in an area of recreation, sports and leisure

The **Pauliner Marsh** is in front of the main dyke but right in the heart of Bremen. It is characterized by its proximity to the river Weser and its use by clubs and garden allotments. Heavy rainfalls, storm surges from the North Sea and/or snow melting upstream are potential causes of extensive flooding. In order to develop measures of risk prevention we will evaluate the situation with the abutters and the local interest groups.

Evaluating heavy rainfall around an intercultural and social community center

The two rivers Blumenthaler Aue and Beeckerdorfer Beeke meet at the castle **Burg Blomendal in Northern Bremen** and once acted as a moat around the historically protected site. Extreme rainfall events can cause an extensive swelling of the small water bodies within very short periods of time. Together with the fire department, the municipal administration and local interest groups a flood prevention plan will be developed.

Knowing impacts of climate change for the maritime economy and logistics sector

How do global climate changes affect the local businesses that operate at the global level? Which opportunities and risks result? These questions are addressed for the **maritime economy and logistics** sector. In a "future workshop" possible adaptation measures will be discussed with representatives from the two industries.

Planning wisely comparing benefits, calculating costs

In the strategy for adaptation to climate change for Bremen and Bremerhaven numerous key measures are specified to protect people, environment, buildings and infrastructure from impacts of climate change. Both state and municipal funds will be needed to implement the measures in the coming years. In order to compare the benefits of implementing individual potential measures, the process will be supported by scientific **cost-benefit analyses** and an analysis of the regional economic effects.