



Adaptation to climate change (EU taxonomy conformity)

In order to achieve EU taxonomy compliance, a climate risk and vulnerability analysis must always be carried out for a building, both

- if the aim is to make a significant contribution to the environmental goal of 'climate change adaptation',
- as well as if the 'do no significant harm' criterion of the corresponding environmental objective is to be ensured.

If the climate risk analysis identifies significant risks, adaptation solutions must be planned or implemented.



What are climate risks?

The climate risks to be analysed are divided into chronic and acute risks.

Chronic climate risks, such as temperature changes and sea level rise, develop slowly over a longer period of time.

Acute risks, such as storms and forest fires, occur suddenly and often have immediate, devastating effects.



What are customisation solutions?

If a climate risk analysis reveals a significant climate risk and a hazard for a building, adaptation solutions must be planned or, in the case of a new building/refurbishment, implemented directly.

This can include the following structural measures, for example:

- Façade and roof greening for retention during heavy rainfall and for cooling through evapotranspiration
- Hail-resistant plaster systems
- Use of warning systems

Our comprehensive service

Thanks to the co-operation between KA Köln.Assekuranz Agentur GmbH and Alpha IC GmbH, we can offer a fully comprehensive solution in accordance with **taxonomy requirements**:

- Identification of significant climate risks through a complete climate risk analysis
 - taking into account three future scenarios (SSP1 -2.6, SSP2-4.5, SSP5-8.5) and
 - three future time periods (~ 2030, 2050, 2085)for all required hazards.

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- Evaluation of **adaptation solutions** for project planning or the building in order to significantly reduce building vulnerability.
 - Creation of an implementation plan (within 5 years) for existing buildings
 - Development of further adaptation solutions, if necessary

Alpha IC GmbH

Valuation is possible for both individual properties and large portfolios.

Benefits

A climate risk analysis can also be seen as a useful addition to a risk/opportunity assessment:

- Checking the climate resilience of buildings and extending their service life/useful life
- Synergies with green building certifications
- Early identification of cluster risks in the building portfolio
- Increasing the quality of stay in indoor and outdoor areas of a building
- Optimised property documentation for the sale of a property
- Increasing the marketability of a property
- Basis for risk management and foundation for value protection
- Protection against increased insurance premiums due to environmental risks
- Potentially more favourable financing conditions
- Documentation and integration of the results into relevant reporting standards, such as the Corporate Sustainability Reporting Directive (CSRD), IFR
- Sustainability Disclosure Standards or the EU Taxonomy.

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