INTERLACE
RESTORING URBAN ECOSYSTEMS
RECUPERANDO ECOSISTEMAS URBANOS

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Making Chemnitz (Germany) more natural on the own property

Nature-based solutions in a city are beautiful, cool and cost-efficient

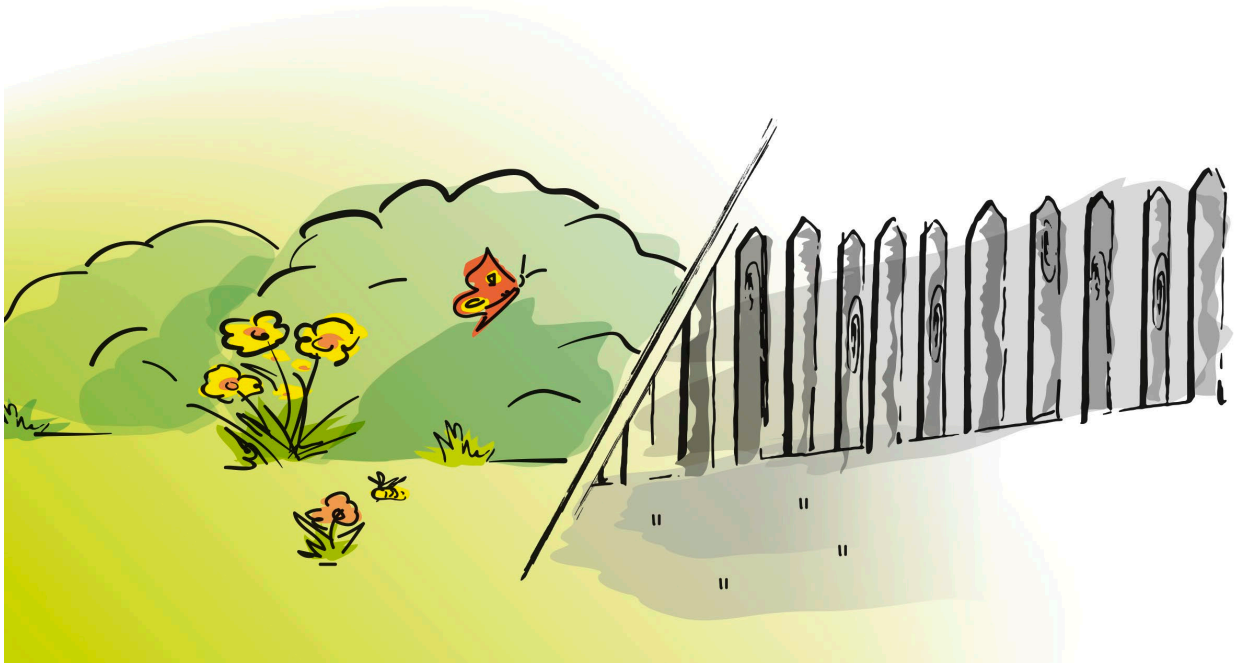
Nature-based solutions in a city are beautiful, cool and cost-efficient

The effects of climate change, the health and well-being of residents, economic development and prosperity as well as environmental and biodiversity protection: are important challenges that Chemnitz (Germany) is currently facing.

One way to support the climate-adapted structural development of Chemnitz is through nature-based solutions such as tree planting, ponds and green facades. Property owners can make a major contribution to this.

Goal for Chemnitz: climate-adapted building

Chemnitz has set the goal of making greater use of nature-based solutions (NbS) in private and public spaces to make properties more resilient to climate change and more attractive to citizens. At the same time, this promotes the preservation and restoration of ecosystems in the urban area. The City of Chemnitz therefore has a catalogue of stipulations for climate-adapted construction for property developments as part of urban land-use planning. By planning nature-based solutions into the development at an early stage, the benefits are optimized, and the additional investment is quickly amortized. However, nature-based solutions can not only be used in new construction projects; retrofitting existing buildings is also possible and can have a major impact in densely built-up and heavily sealed urban areas.



Visual comparison of fence and hedge

For example, a parking lot can be surrounded by a hedge instead of a fence. The hedge plants help to cool the environment, filter dust from the air, provide a habitat for animals and make the parking lot greener. Perhaps this will make it so attractive that you can even put up a bench and use a corner of the parking lot to relax during your lunch break. In addition, the plants and the unsealed hedge ground will allow rainwater to seep away and be stored. Such measures can help to reduce the risk of flooding in the city.

The city of Chemnitz is a partner in the EU-funded INTERLACE project. The aim of the project is to promote the use of NbS for the renaturation of ecosystems in European and Latin American cities.

INTERLACE offers an opportunity for city administrations, residents, organizations and businesses to work together in new and creative ways - for a better future for all. INTERLACE promotes NbS by providing various information products.

The most important INTERLACE products for property owners are:

- Recommendations for action/determinations for climate adaptation in development plans (German): Inspiration for climate adaptation measures in development plans, forward-looking impulses for investors and building owners for the development of their properties with the help of NbS
- Assessment framework for NbS (English): Decision support tool for the implementation of NbS in the city, accompanies the entire NbS process
- Overview of policy instruments with practical examples that enable restorative nature-based solutions (English)
- Participatory processes for the restoration of urban ecosystems (English)
- Urban Governance Atlas (English): Collection of more than 250 good policy governance options for NbS

To access all INTERLACE products please visit this page:
https://www.chemnitz.de/interlace_produkte (German)

Something for everyone: nature-based solutions are diverse

Commercial, public and private property owners have a wide range of nature-based solutions at their disposal, which can be used depending on the size of the property, budget and building stock. A brief overview and links to further information can be found in the following list.

Table 1: Overview of NbS for commercial, public, and private property owners

Category	Nature-based solution	Cost	Difficulty of implementation	Positive effects on	Further information (in German)
Infrastructure	Greening facades	€€€	++	Temperature regulation, air quality, biodiversity	https://www.mehrgruenamhaus.de/mehrgruen-fassadenbegruenung
	Greening roofs	€€€€	++++	Temperature regulation, air quality, water retention, biodiversity	https://www.mehrgruenamhaus.de/mehrgruen-dachbegruenung
	Greening parking lots	€	++	Temperature regulation, water retention, biodiversity	https://www.mehrgruenamhaus.de/verbraucherzentrale/mehrgruen-offene-pflasterung
Water	Creation of retention areas and rainwater troughs	€€€	+++	Temperature regulation, water retention, biodiversity	https://regenwasseragentur.berlin/massnahmen/regenwasser-versickern/
	Creation of water reservoirs (ponds, cisterns)	€€	+++	Temperature regulation, water retention, biodiversity	https://regenwasseragentur.berlin/massnahmen/regenwasser-sammeln-und-nutzen/
Biodiversity	Planting trees	€	++	Temperature regulation, air quality, CO_2 storage, water retention, biodiversity	https://www.mdr.de/mdr-garten/pflegen/ baum-baeumepflanzen-herbst-anleitung-102.html
	Planting flower meadows	€	++	Pollination, biodiversity	https://www.chemnitz.de/chemnitz/media/ unsere-stadt/grueneschemnitz/stadtnatur/anleitung_bluehflaechen.pdf
	Planting hedges	€€	++	Temperature regulation, CO_2 storage, water retention, biodiversity	https://www.chemnitz.de/chemnitz/media/unsere-stadt/gruenes-chemnitz/stadtnatur/anleitung_bluehflaechen.pdf
	Greening bare earth	€	+	Pollination, biodiversity	https://www.ndr.de/ratgeber/garten/Hecke-pflanzen-Darauf-kommt-es-an,hecken100.html

DEFINITION: nature-based solutions

Nature-based solutions (NbS) are solutions that use nature or natural processes to address current societal challenges. They are solutions that are inspired and supported by nature. They are cost-effective, offer environmental, social and economic benefits and help to build resilience.

Contact persons in Chemnitz

If you have any questions about the implementation of nature-based solutions in Chemnitz, you can contact:

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