



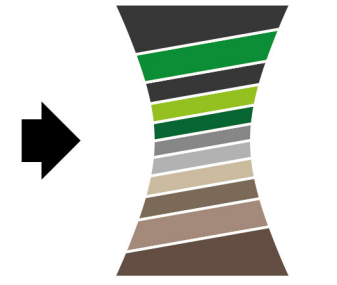
Mannheim and the 1975 Bundesgartenschau



With 8.1 million visitors, the 1975 Bundesgartenschau held in Mannheim was the most popular to that date. The exhibition spanned across two separate areas north and south of the river Neckar, connecting the Luisenpark and the Herzogenriedpark with and innovative means of transport called the Aerobus. In fact, the Federal Horticultural Exhibition is well known not only for addressing horticultural topics, but also for bringing with it a series of landscape and urban development projects to its host city.

The 1975 exhibition was no exception, as it included the development of numerous projects that redefined the urban landscape of Mannheim to this day. From the innovative timber lattice roof structure of Frei Otto's Multihalle to the Telecommunications tower and the establishment of the Planken pedestrian zone, the Bundesgartenschau has shaped the urban and natural silhouettes of Mannheim. For the BUGA 2023 we propose reinvigorating that innovative spirit with a new piece of sustainable urban infrastructure.

The Schrebergarten

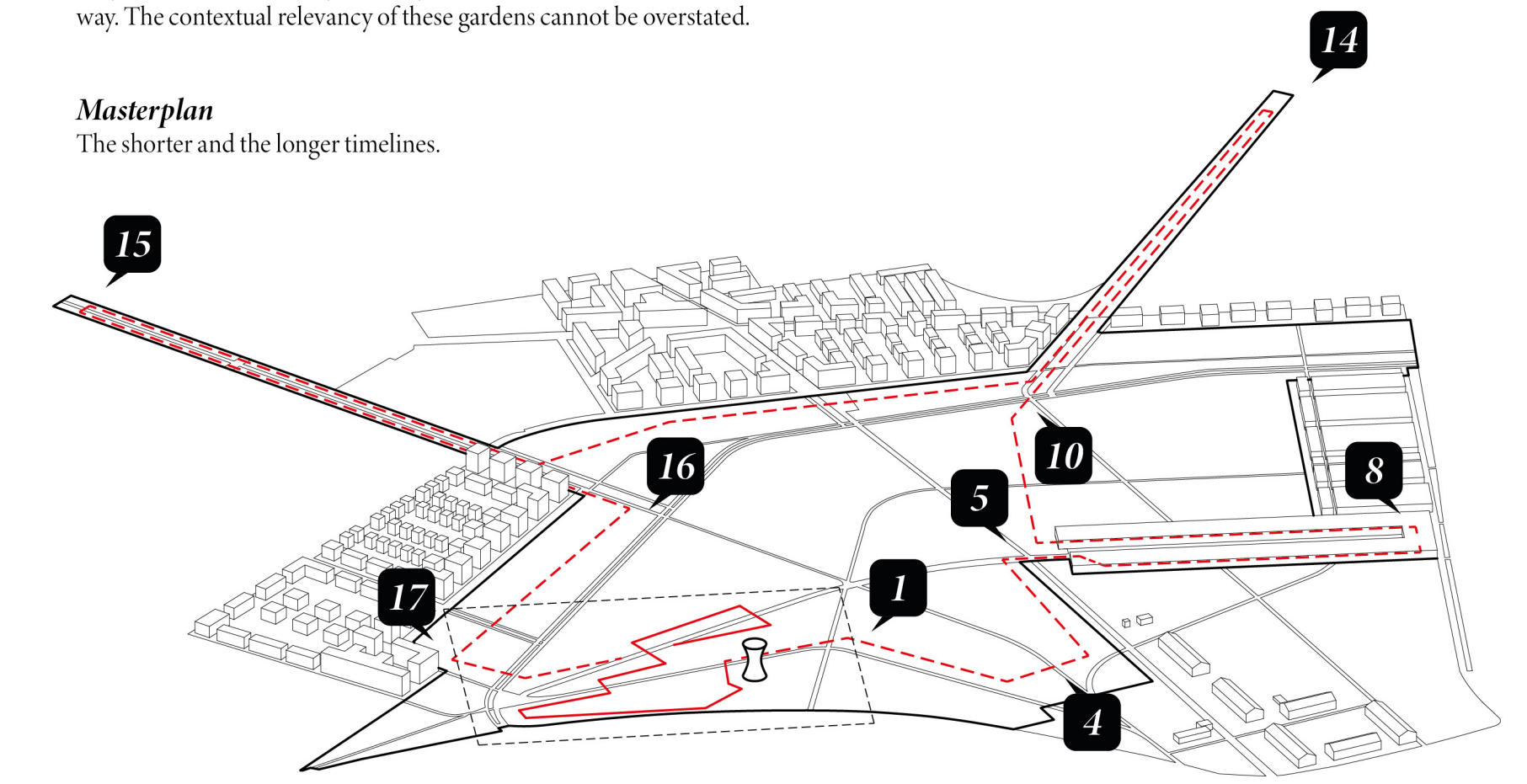


In the context of a popular horticultural show, it would be appropriate to consider another relevant German tradition. There are more than a million small, terraced gardens covering 46.000 hectares of land dedicated exclusively to the cultivation of plants and vegetables in German cities. The main function of the Schrebergarten is to provide city residents with a place to rest and exchange opinions with their neighbors, all while being able to grow their own food in a healthy and sustainable way. The contextual relevancy of these gardens cannot be overstated.

So how can we combine all these layers of history and culture of Mannheim and pay tribute to their spirit in a contemporary and sustainable way? Can we reinterpret these symbols and traditions for the 2023 Bundesgartenschau in an artistic way?

Masterplan

The shorter and the longer timelines.



- The shorter timeline
- - - The longer timeline
- Site boundary
- - - Shorter timeline area of influence
- Nº 8 UN Sustainability Goals represented by the longer timeline

The project consists of two main elements: an elevated timber walkway that spans across the entire site, connecting every corner of the newly developed Spinelli Park, and a Hyperbolic Schrebergarten; a 34m tall Digital Timber Construction (DTC) structure built around a Mycelium core. The elevated walkway, or *The Timeline*, is divided into two sections, the Shorter Timeline, and the Longer Timeline. Each turn in the walkway represents a change in direction we need to make as a society in order to address the climate challenges facing us going forward.

In the shorter timeline, each change in direction refers to one UN Sustainability Goal directly addressed by our design; eight in total, out of 17. At the end of that shorter timeline, the visitor encounters the Hyperbolic Schrebergarten, a structure that combines the latest innovations in biomimicry and sustainable construction methods and materials with renewable energy generation. A new symbol for Mannheim that pays tribute to the urban contributions put forward by the 1975 Bundesgartenschau with an emphasis on the cultural relevance of the Schrebergarten across Germany.

UN Sustainability goals directly addressed by the Hyperbolic Garden in the shorter timeline:

- Turn 1 - Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture.
- Turn 2 - Goal 3: Ensure healthy lives and promote well-being for all at all ages.
- Turn 3 - Goal 6: Ensure availability and sustainable management of water and sanitation for all
- Turn 4 - Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all.
- Turn 5 - Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.
- Turn 6 - Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable.
- Turn 7 - Goal 12: Ensure sustainable consumption and production patterns.
- Turn 8 - Goal 13: Take urgent action to combat climate change and its impacts.

