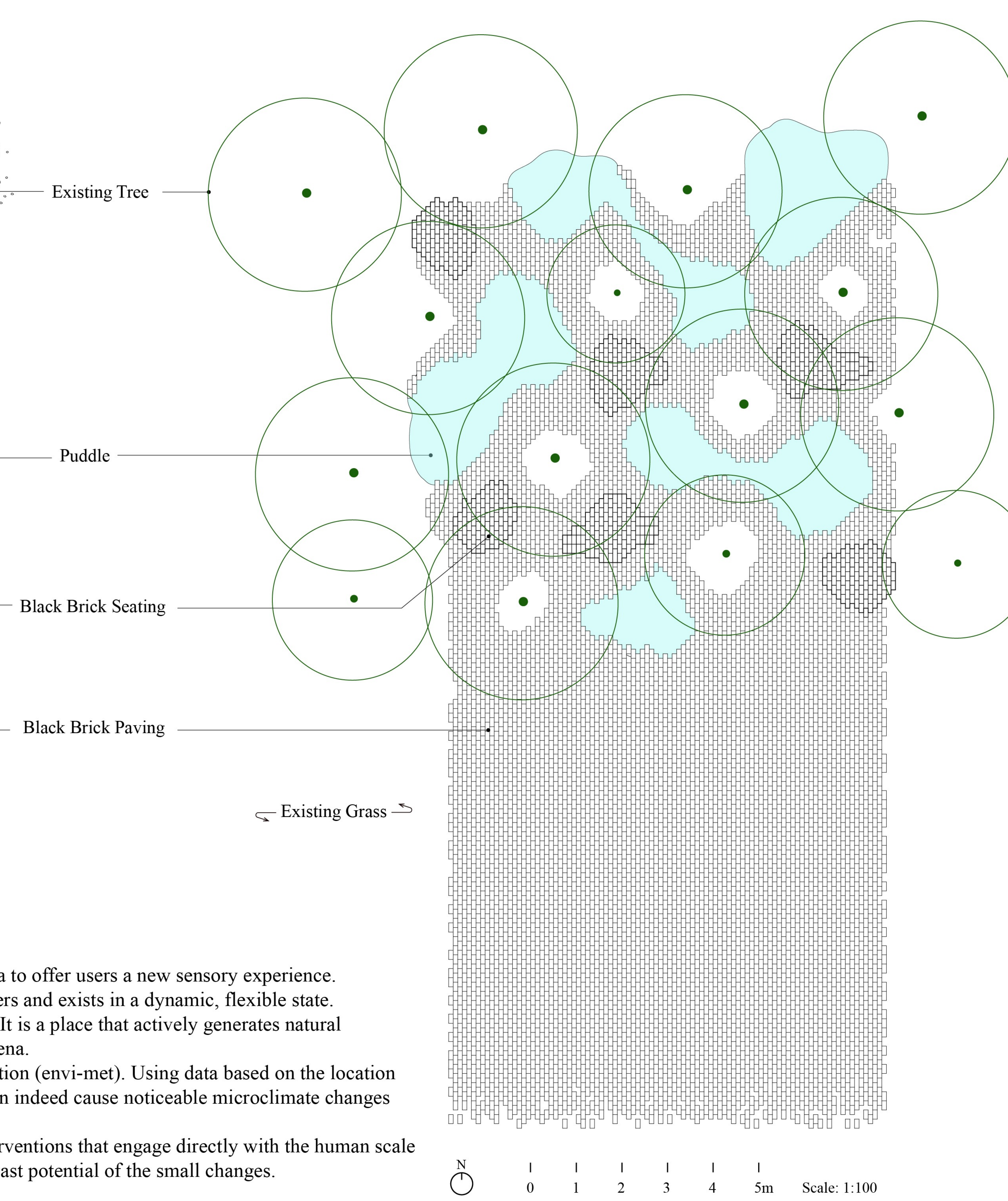


Breezing Border

The diagram illustrates a landscape design concept for a 'Breezing Border'. It features a series of trees at the top, with vertical dashed lines indicating their positions. Below the trees is a large, irregularly shaped area filled with a dense pattern of small, light-colored squares, representing a permeable surface. This area is divided into several smaller sections by blue, wavy lines. Red arrows point upwards from the left side of the permeable area, labeled 'Hot air and high-pressure flow rise'. Blue arrows point downwards from the permeable area towards the bottom right, labeled 'Air flow from cool and moist area'. A legend at the bottom right shows a double-headed arrow pointing left and right, labeled 'Existing Grass'.

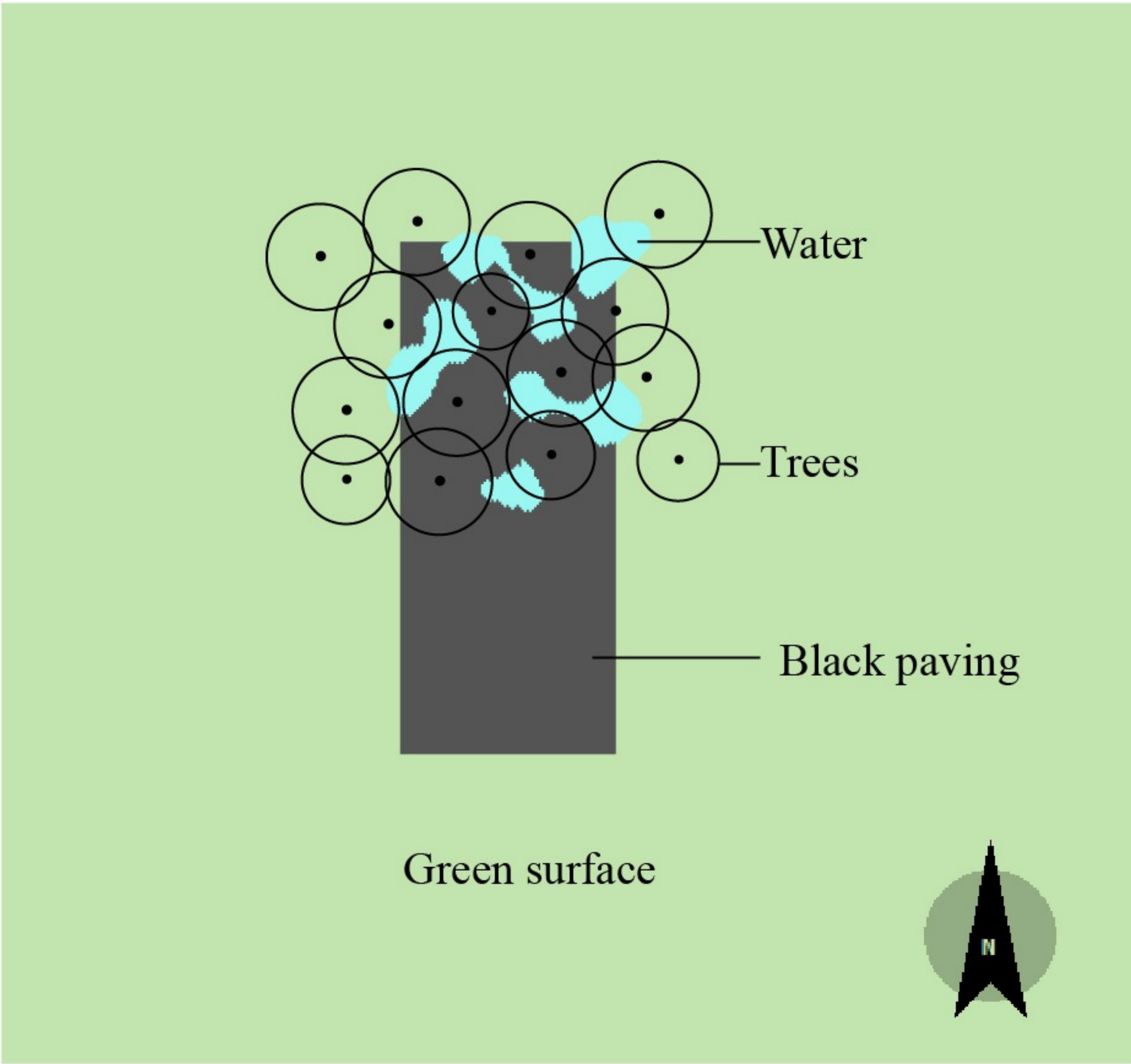


To evaluate the effectiveness of microclimate adjustments on a small scale like a garden, we employed digital simulation (envi-met). Using data based on the location and season of a site on the southern shore of the Saint Lawrence River, the simulation indicated that such a garden can indeed cause noticeable microclimate changes that impact human senses.

In the urgent context of addressing climate change, while urban-scale transformations are essential, garden-scale interventions that engage directly with the human scale and can induce changes with minimal intervention are equally critical. Our Breezing Border design underscores the vast potential of the small changes.



Digital Simulation input



Digital Simulation output

