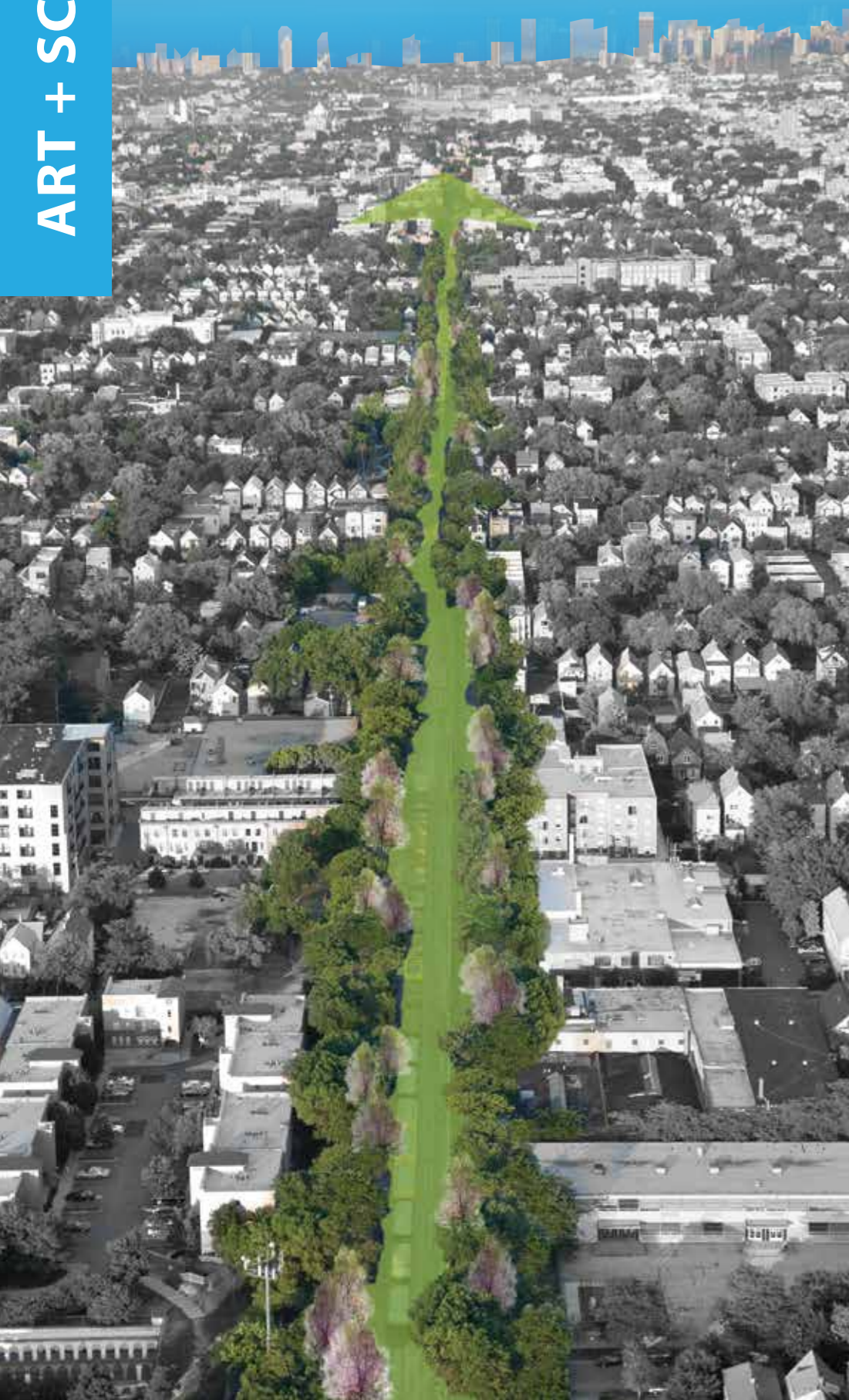


THE LAKE EFFECT



ART

ENVIRONMENTAL SENTINEL

A CLIMATE MONITORING ARTWORK

Use the beauty of a flowering "phenologic" spectacle to visualize and monitor our relationship to Lake Michigan

Why does the Serviceberry reveal the Lake Effect?

PLANT



American Serviceberry, *Amelanchier x grandiflora*, our most beautiful native ornamental tree, is very temperature-sensitive. Using existing temperature data for the area, a 5 day bloom spread is expected for this planting.

Why is The Bloomingdale important for Chicago?

LAKE



The 2.7 mile length and east-west orientation of The Bloomingdale creates a world-class opportunity to study our climate. The 5 day bloom spread reveals how large bodies of water effect local temperature patterns in Spring and Fall, known as the Lake Effect.

What is phenology and how does it monitor the climate?

CLIMATE



National Calibration species, Chinese Lilac *Syringa x chinensis 'Red Rothomagnesis'*

Illinois Calibration species, Weeping Forsythia *Forsythia suspensa var. sieboldii*

**Phenology** is the ancient science of observing nature's calendar and the cycle of biologic events. There has been a resurgence of interest in phenology as it is the best way to understand micro-climate. Additional species that grow throughout the USA and Illinois provide comparative data for the *American Serviceberry*, helping us understand our local, national, and global climate over long periods of time.

How can I get involved?

CITIZEN



Our local phenological efforts will be led by The Trust for Public Land in collaboration with Chicago Wilderness and the USA National Phenologic Network.



The Trust for Public Land is The 606 project manager, in partnership with the Chicago Park District and City of Chicago.