Zaryadye Park — Moscow's Kremlin-Side Park Recreating Russia's Biomes, Where a Soil Survey Found Compaction and Heat-Island Stress (Russia)

PES & Nature-Based Solutions · Good practice · Russia

Quality score: 20/100

Evidence strength: Cautionary / limited

Summary

Opened in September 2017 beside the Kremlin, the ~14-ha Zaryadye Park recreates tundra-to-forest landscapes on constructed soils. A 2022 survey of 36 locations found visitor compaction (>1.5 g/cm³) and heat-island and fertiliser effects.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	1/3
Water & soil — retention, infiltration, erosion control	1/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	1/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-11-20

Moscow City Government; Diller Scofidio + Renfro-led design consortium — accessed 2026-11-20

ArchDaily — Zaryadye Park by Diller Scofidio + Renfro — accessed 2026-11-20

RUDN repository — Vasenev et al. 2023, soil survey in Zaryadye Park — accessed 2026-11-20

RUDN — Scientists suggested how to help the soils of Zaryadye Park — accessed 2026-11-20

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