# Cheonggyecheon Stream Restoration — Seoul's Highway-to-River Nature-Based Corridor

PES & Nature-Based Solutions · Good practice · South Korea

Quality score: 53/100

Evidence strength: Observational / pre–post


### *Summary*

Seoul removed a 5.6km elevated highway and daylighted the buried Cheonggyecheon stream, cutting local air pollution 35%, raising species counts 639% (2003–2008), and cooling the corridor 3.3–5.9°C — though the flow is now pumped, not natural.


### *Key dimensions*

| Dimension | Score |
|---|---|
| Carbon — sequestration / storage, evidenced | 0/3 |
| Biodiversity — conservation / improvement, evidenced | 3/3 |
| Water & soil — retention, infiltration, erosion control | 3/3 |
| Fire resilience — risk reduction, evidenced | 0/3 |
| Governance, certification & transferability | 2/3 |

Evaluated by C-NAPSE

### *Data sources*


C-NAPSE web research — accessed 2026-08-07

Seoul Metropolitan Government — accessed 2026-08-07

Landscape Performance Series case study — accessed 2026-08-07

Estimate of the Heat Island and Building Cooling Load Changes due to the Restored Stream in Seoul, Korea (Int'l Journal of Urban Sciences) — accessed 2026-08-07



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