

Ljubljana Car-Free Historic Centre — Vehicle Restriction, Kavalir Electric Shuttles and Measured Black-Carbon Cuts

City Innovation Library · Good practice · Slovenia

Quality score: 67/100

Evidence strength: Moderate

Summary

Since 2007 Ljubljana has closed its historic core to private cars, adding free electric Kavalir shuttles for less mobile people. Peer-reviewed monitoring (Titos et al., 2015) found about 72% lower black carbon inside the restriction zone.

Key dimensions

Dimension	Score
Evidence of impact / measured results	2/3
Transferability / demonstrated replication	2/3
Scalability	1/3
Sustainability / continuity	3/3
Innovation	2/3
Inclusiveness / equity	2/3
Multi-stakeholder collaboration	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-29

[City of Ljubljana](#) — accessed 2026-09-29

[City of Ljubljana — Pedestrian zone of the Old Town](#) — accessed 2026-09-29

[CityChangers — Ljubljana: an early mover for pedestrianisation](#) — accessed 2026-09-29

[Titos et al. black carbon measurements in the restriction zone \(ResearchGate\)](#) — accessed 2026-09-29

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