

Array of Things — Chicago's Open-Source Urban Sensor Network

City Innovation Library · Good practice · United States of America

Quality score: 71/100

Evidence strength: Descriptive / self-reported

Summary

Argonne National Lab, the University of Chicago and Chicago built the open-source 'Array of Things' sensor network (2016-) for street-level environmental and traffic data. Peer-reviewed papers document the platform; policy-impact evidence is thinner than the engineering evidence.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-06

[Argonne National Laboratory / University of Chicago \(with City of Chicago, NSF funding\)](#) — accessed 2026-08-06

[Array of Things — project site](#) — accessed 2026-08-06

[Argonne National Laboratory — Array of Things](#) — accessed 2026-08-06

[MIT Technology Review — 'A Chicago city sensor project goes global' \(2022\)](#) — accessed 2026-08-06

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