



G.O.A.L.

Health-First Urban AI Framework

A systems framework for designing Urban AI that continuously understands, anticipates and improves the conditions that enable long-term human flourishing.

G.O.A.L. Solutions Portfolio

Framework
FW005
Version 1.0

www.global-goal.org

HEALTH-FIRST URBAN AI FRAMEWORK

A systems framework for Urban AI that continuously understands, anticipates and improves the conditions that enable long-term human flourishing.

ABOUT THIS FRAMEWORK

The Health-First Urban AI Framework provides a systems-based approach for understanding how artificial intelligence can strengthen healthier, more resilient and more human-centred cities.

Rather than viewing Urban AI primarily as a technological platform, the framework positions it as an institutional capability that helps cities perceive urban conditions, transform information into intelligence and support better human decision-making.

Together, these capabilities create a common foundation for designing Urban AI that continuously improves the conditions for human flourishing.

PURPOSE

- ✓ Establish a shared framework for Health-First Urban AI.
- ✓ Define the core capabilities required for intelligent urban governance.
- ✓ Support the design, assessment and implementation of Urban AI systems.



**ONE FRAMEWORK.
THREE CAPABILITIES.
FIFTEEN CORE CONDITIONS.**

A common architecture for Health-First Urban AI.

HEALTH-FIRST URBAN AI IS BUILT ON
THREE CORE CAPABILITIES WORKING IN CONTINUOUS CYCLE.



BODY
Urban Awareness



BRAIN
Urban Intelligence



INTERFACE
Human Governance
& Coordination

How well does the city understand its present condition?

- 1 Environmental Awareness
- 2 Human Experience Awareness
- 3 Urban Systems Awareness
- 4 Community & Wellbeing Awareness
- 5 Change & Emerging Conditions

How well does the city transform awareness into understanding and foresight?

- 1 Systems Integration
- 2 Diagnosis & Causal Understanding
- 3 Anticipation & Foresight
- 4 Health-Aligned Prioritization
- 5 Learning & Adaptation

How do people and institutions interpret, govern and act upon urban intelligence?

- 1 Public Transparency
- 2 Civic Participation
- 3 Institutional Coordination
- 4 Human Judgement & Oversight
- 5 Accountability & Public Trust



HUMAN FLOURISHING

The ultimate purpose of Health-First Urban AI.

FRAMEWORK STRUCTURE



BODY
Urban Awareness

How cities perceive urban conditions.



BRAIN
Urban Intelligence

How cities transform awareness into understanding and foresight.



INTERFACE
Human Governance
& Coordination

How intelligence supports legitimate human decision-making.



HUMAN FLOURISHING

The ultimate purpose of Health-First Urban AI.

FRAMEWORK APPLICATIONS



Urban
Master Planning



Smart City
Strategy



Urban
Performance
Assessment



Responsible
Urban AI
Governance

Health-First Urban AI Maturity Assessment

A maturity assessment for evaluating how effectively Urban AI understands, anticipates and improves the conditions that enable long-term human flourishing.

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Maturity Assessment
MA005
Version 1.0

HEALTH-FIRST URBAN AI MATURITY ASSESSMENT

ABOUT THIS ASSESSMENT

The Health-First Urban AI Maturity Assessment provides a structured method for evaluating how effectively a city perceives urban conditions, transforms information into intelligence and applies that intelligence through transparent, coordinated and human-directed governance.

Rather than measuring technological sophistication alone, the assessment evaluates whether Urban AI strengthens the institutional capabilities required to improve the conditions for long-term human flourishing.

PURPOSE

- ✓ Establish a shared maturity model for Health-First Urban AI.
- ✓ Evaluate the strength of the Body, Brain and Interface capabilities.
- ✓ Identify capability gaps, strategic priorities and opportunities for improvement.
- ✓ Support evidence-informed Urban AI strategy, governance and investment.



**ONE ASSESSMENT.
THREE CAPABILITY DOMAINS.
FIVE MATURITY LEVELS.**

A shared language for evaluating Health-First Urban AI.



1 ASSESSMENT FRAMEWORK & DOMAINS

The assessment evaluates how the three core capabilities work together in service of healthier cities and long-term human flourishing.



BODY — Urban Awareness

How effectively the city understands its present conditions.



BRAIN — Urban Intelligence

How effectively the city transforms awareness into understanding and foresight.



INTERFACE — Human Governance & Coordination

How effectively people and institutions govern and apply Urban AI.



HUMAN FLOURISHING

The extent to which Urban AI strengthens the conditions for long-term human flourishing.

2 THE FIVE MATURITY LEVELS



Maturity progresses from fragmented capabilities to an adaptive system that continuously improves human flourishing.



ASSESSMENT OUTPUTS

- ✓ Current maturity profile
- ✓ Domain-level assessment
- ✓ Strengths and capability gaps
- ✓ Strategic priorities
- ✓ Benchmarking and comparison
- ✓ Improvement roadmap



ASSESSMENT DOMAIN	 1. CONSTRAINED	 2. DEVELOPING	 3. FUNCTIONAL	 4. SUPPORTIVE	 5. FLOURISHING
 BODY Urban Awareness The city's ability to continuously perceive environmental, social and infrastructural conditions.	Urban awareness is fragmented, leaving important environmental, social and infrastructural conditions poorly understood.	Urban awareness is improving through expanding data and monitoring, but important blind spots remain.	Urban awareness generally provides a reliable understanding of urban conditions, although important gaps remain.	Urban awareness consistently provides timely, integrated and reliable insights that support healthier urban decision-making.	Urban awareness continuously captures, integrates and updates the conditions shaping human flourishing across the city.
 BRAIN Urban Intelligence The city's ability to integrate knowledge, diagnose patterns, anticipate change and support better decisions.	Urban intelligence is limited, making it difficult to understand relationships, anticipate change or support effective decisions.	Analytical capabilities are improving, but diagnosis, prediction and learning remain inconsistent.	Urban intelligence generally supports integrated understanding and evidence-informed decision-making, although important capability gaps remain.	Urban intelligence consistently transforms awareness into reliable insights, foresight and health-aligned priorities.	Urban intelligence continuously learns, anticipates change and optimizes urban systems to strengthen long-term human flourishing.
 INTERFACE Human Governance & Coordination The city's ability to translate Urban Intelligence into transparent, coordinated and human-directed governance.	Governance structures provide limited coordination, transparency and oversight of Urban AI.	Governance arrangements are improving, but collaboration, accountability and public trust remain inconsistent.	Governance generally enables responsible use of Urban AI, although important coordination and oversight gaps remain.	Governance consistently supports transparent, coordinated and human-directed Urban AI across institutions.	Governance fully integrates Urban AI into collaborative, trusted and adaptive decision-making that continuously improves urban outcomes.
 HUMAN FLOURISHING The overall extent to which Urban AI measurably strengthens the Five Pillars and long-term human flourishing.	Urban AI delivers limited improvements to the conditions that enable human flourishing.	Urban AI contributes to improving selected urban conditions, but overall impact remains inconsistent.	Urban AI generally strengthens healthier, more resilient and human-centred urban development, although important opportunities remain.	Urban AI consistently improves the conditions that enable healthier, more resilient and more inclusive cities.	Urban AI operates as an integrated capability that continuously strengthens the Five Pillars and enables long-term human flourishing.

Implementing Health-First Urban AI

A practical guide for designing, governing and continuously improving Urban AI in service of long-term human flourishing.

G.O.A.L. Solutions Portfolio

Implementation Guide
IG005
Version 1.0

HUMAN FLOURISHING

HEALTHIER • MORE RESILIENT • MORE ADAPTIVE • MORE HUMAN-CENTRED CITIES

IMPLEMENTING HEALTH-FIRST URBAN AI

A practical roadmap for designing, governing and continuously improving Urban AI in service of human flourishing.



OUTCOME: | An Urban AI capability that **continuously improves** the conditions for human flourishing today and for future generations.