One Health Knowledge Audit

To effectively develop a One Health strategy or project, city administrations must first understand which knowledge already exists, where this knowledge resides, and how it flows across departments. The following assessment questions and table support cities in conducting a **practical knowledge audit to identify strengths, gaps, and opportunities for improved collaboration**. You may choose some of them or create additional ones. These only serve as guidance.

1- Assessment Questions (Qualitative Audit)

The following assessment questions help city departments evaluate how knowledge is managed, shared, and applied internally to support integrated One Health actions.

Knowledge Availability and Inventory

- Which departments generate knowledge relevant to One Health (e.g., public health, sanitation, infrastructure, animal services, planning, etc.)?
- How frequently is key knowledge updated or reviewed?
- Is institutional knowledge (e.g., from experienced staff) systematically documented?
- Do city staff know where to find the knowledge they need?
- What internal datasets, reports, or systems are used?
- Do you keep a project inventory (reuse of knowledge & outcomes)?

Knowledge Sharing and Access

- How is knowledge currently shared across departments? Is it proactive or on-demand? How often do departments coordinate on shared issues (e.g., heat waves, zoonoses, water quality)?
- Are there any formal mechanisms (e.g., interdepartmental platforms or protocols) for sharing knowledge?
- What tools (GIS, dashboards, databases, intranet portals) are used for managing and sharing knowledge? Are these tools interoperable and user-friendly across departments?
- Are there training programs or knowledge exchange initiatives in place?

Knowledge Silos and Fragmentation

- Are there silos in how departments manage or store information?
- Are similar data sets or knowledge products being developed independently by different departments?
- What barriers (technical, organisational, legal) limit knowledge sharing? Do departments use incompatible formats, systems, or vocabularies that hinder integration?

Data Quality and Management

- Are there standards for how data is collected, verified, and stored across departments?
- What types of health data (human, animal, plant, environment) are currently collected across departments?

Interdepartmental Coordination

- Are One Health-related topics discussed in existing city committees or cross-sector teams?
- What examples of successful knowledge integration across departments exist?
- Are you aware of projects in other departments that One Health could bring value to?

Knowledge Roles and Responsibilities

- Who is responsible for maintaining and curating knowledge in each department?
- Are roles clearly defined for data stewardship and interdepartmental knowledge exchange?
- Do staff have the capacity (skills, time, tools) to use and share knowledge effectively?

Use in Decision-Making

- Is the collected knowledge actively used in planning, policy, and emergency response?
- Are lessons learned from past events systematically captured and applied?
- How does knowledge flow between technical teams and decision-makers?

2- Knowledge Inventory Table (example ideas for inspiration)

Knowledge Area	Source Department	Knowledge Owner	Format	Accessibility	Relevance to One Health	Gaps Identified
Vector-borne disease incident reports	Public Health Department	Epidemiology Unit *Add names and contact details*	Excel, PDF	Internal use only	High	No integration with environmental data *Detail this part*
Urban green space maps	Parks and Recreation	GIS Division *Add names and contact details*	GIS files	Internal and public	Medium	No overlay with population health data *Detail this part*
Stormwater overflow incidents	Water and Sanitation	Infrastructure Office *Add names and contact details*	Incident logs	Internal	High	Not regularly shared with Public Health *Detail this part*

Knowledge Area	Source Department	Knowledge Owner	Format	Accessibility	Relevance to One Health	Gaps Identified
Animal control reports	Animal Services	Field Operations Team *Add names and contact details*	Database	Restricted	High	Data not categorised by health risk or location *Detail this part*
Air quality monitoring data	Environmental Departement	Monitoring Team *Add names and contact details*	Dashboard/ API	Public	High	No cross-referencing with respiratory illness data *Detail this part*
Building inspection and housing code violations	Housing Department	Code Enforcement team *Add names and contact details*	Reports, database	Internal use only	Medium	Not linked to disease outbreaks or pest control *Detail this part*
Heat vulnerability index	City Planning Department	Resilience Officer *Add names and contact details*	Report	Internal/ public mix	High	Not updated regularly, lacks health overlays *Detail this part*
Weather Emergency response	Emergency Management	Training Officer *Add names and contact details*	Reports	Restricted	High	Lessons learned are not shared across departments *Detail this part*
Add a new area						
Add a new area						

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