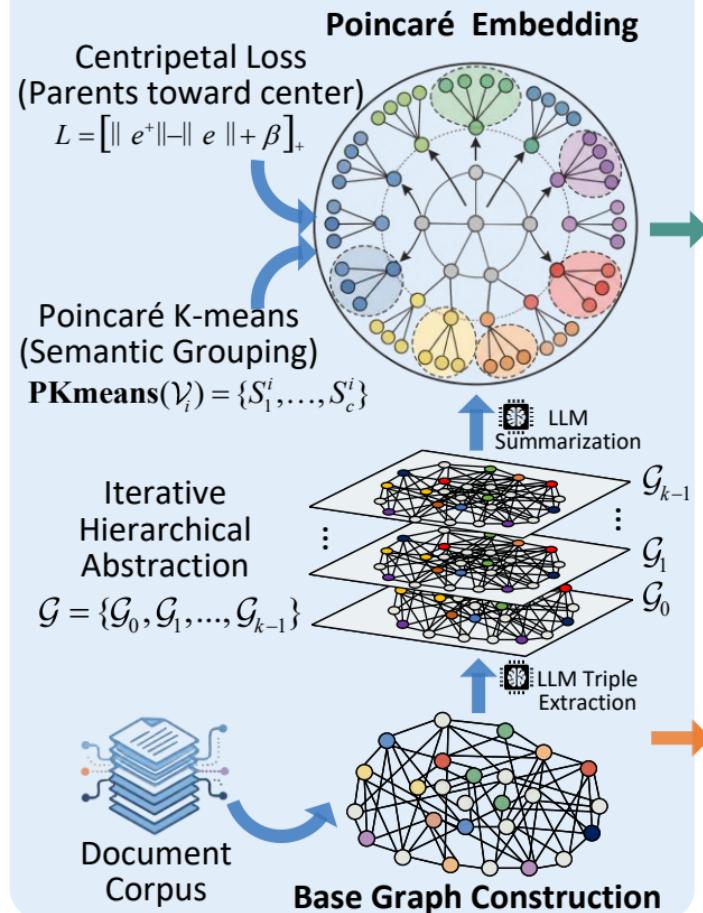
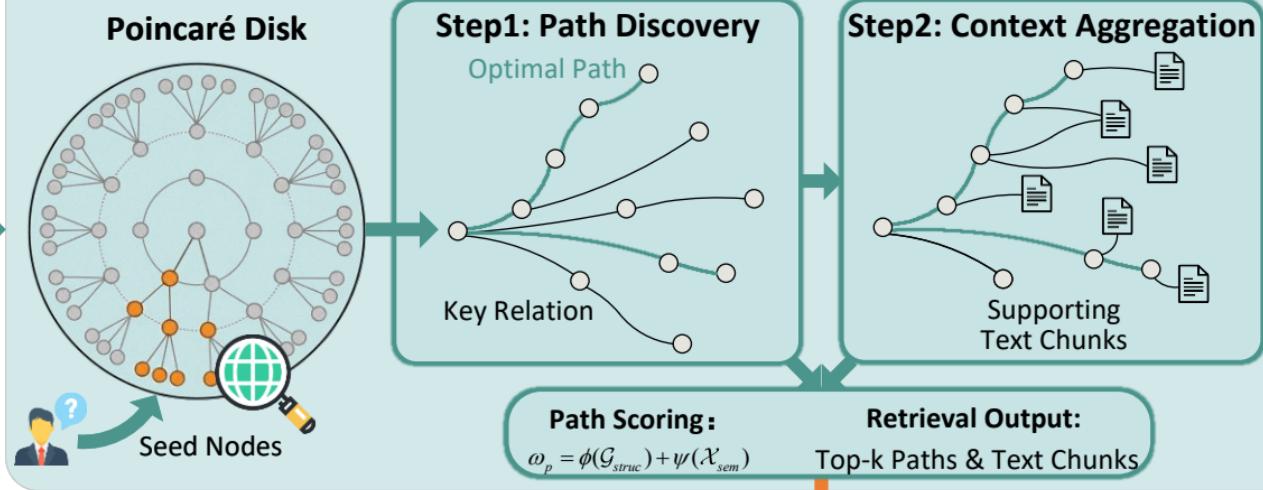


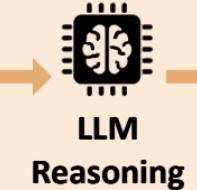
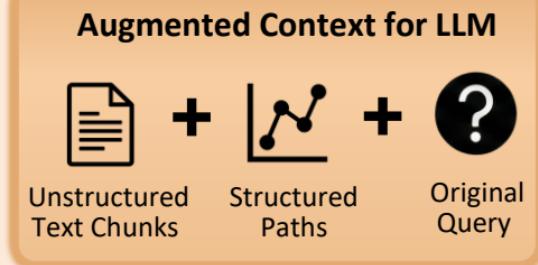
(A) Poincaré Hierarchical Index



(B) Geometry-aware Retrieval



(C) LLM Reasoning & Generation



Generated Answer with Rationale

"The group shifted from passive recipients to active participants, learning to observe, interact, and respond, on the integrated structural and textual evidence."