# Semantic Search for Literature Retrieval for the **Environmental Domain** Deya Banisakher, Maria E. Presa Reyes Research Mentors: Mark Finlayson and Shu-Ching Chen, Computer and Information Sciences Rene Price, Earth and Environment

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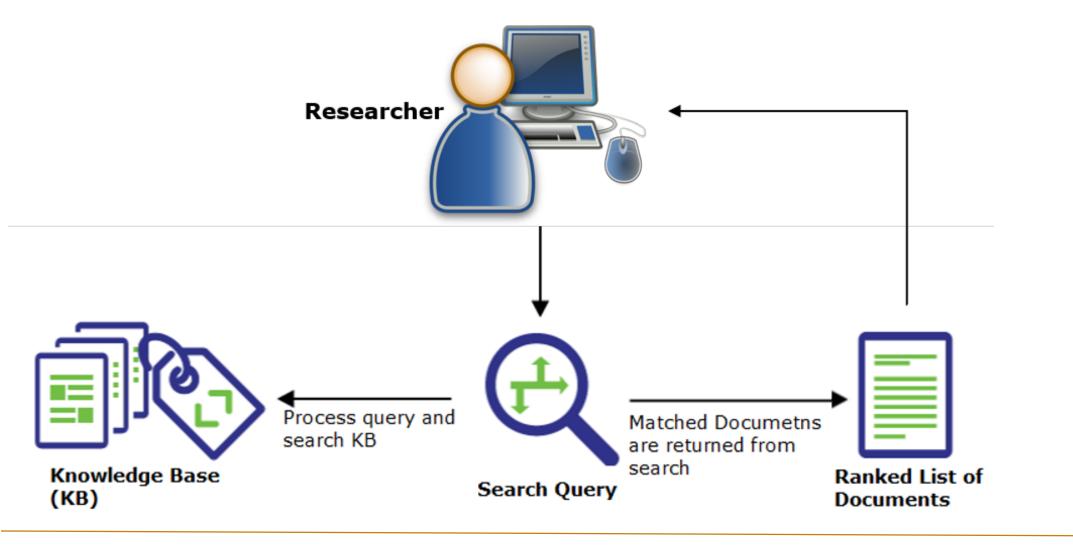
### Problem

- Literature search is an unavoidable first task for any research project.
- Researchers rely on systems utilizing standard **search engine techniques**.
- Several key **articles or documents** may be missed in the search process due to those search engine techniques which rely mainly on **keyword** matching. Joogle



**Solution:** 

Build a **semantic search system** to enhance the literature retrieval for the environmental domain.





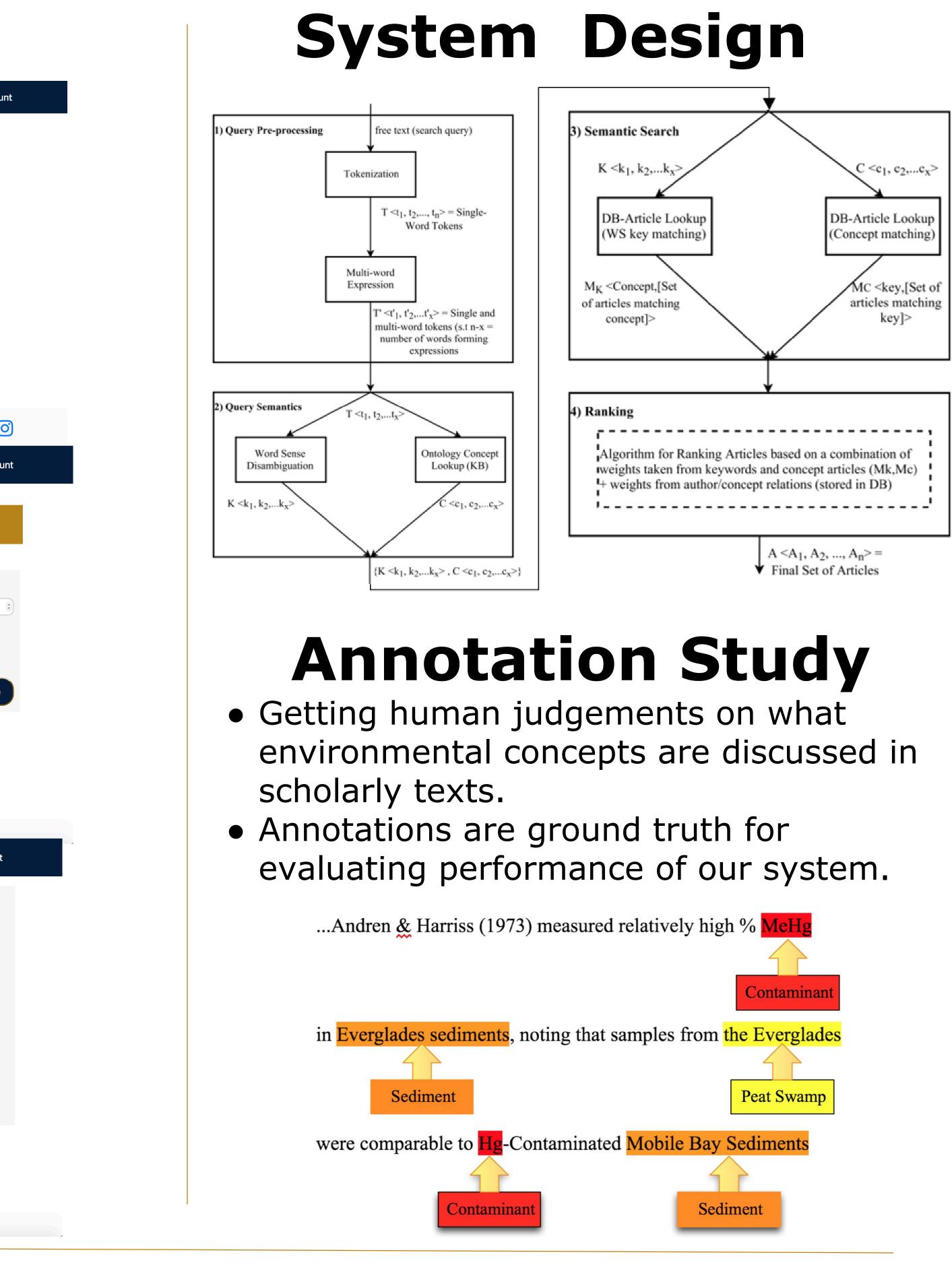


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fluxes ranged -6.05-13.1	14µmolm-2h-1, -0.35-0.6	61µmolm-2h-1 and -1.34-3.88mmolm-2h-1	I for N2O, CH4 and CO	2, respectively.
were insignificant. CO2 fl	lux was influenced only by	ng different mangrove swamps and among tida y mangrove swamps and the value was higher	r in Kema mangrove. No	one of the
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