GEOL Knowledge

GEOL Knowledge semantic profiling identifies the actors cited in texts and their personal data.

Thanks to the SAIMSI project, funded by ANR, GEOL Knowledge answers the questions: WHO? WHAT? WHEN? WHERE? HOW? HOW MANY/ MUCH?

GEOL Knowledge transforms texts written in several languages (French, English, Arabic and Chinese) in language independent structured information according to an ontology describing the application.

To reach this goal, GEOL Knowledge uses a general purpose deep morphosyntactic analysis, a rule-based application-oriented semantic extraction and a final tool to infer additional knowledge from a global view of the document and its metadata.

An ontology and extraction rules are already available for personal information for security and GDPR: attributes of person, family relations, contact, emission of a message, relation with police and justice, death, violent act, meeting, travel, job, education. In addition to SAIMSI results, GEOLSemantics has added for GDPR compliance: personal data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, trade union, health, sexual orientation... Insults are also extracted.

Key selling point(s): Multilingual knowledge extraction, Language independent output in RDF, personal data, application for privacy

Key market(s): Security, Digital Cities, privacy protection, privacy by design, competitive intelligence, GDPR

Main customer(s): Ministry of interior and defence, large companies like Banks and insurances, all companies concerned by GDPR

Systematic R&D project(s): SAIMSI

Extraction of personal data