

# SEMANTIC SEARCH IN E-DISCOVERY: AN INTERDISCIPLINARY APPROACH

#### **DESI V Workshop**

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UNIVERSITY OF AMSTERDAM





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# PROBLEM STATEMENT

- Explosion of information
- Beyond predictive coding
- From unstructured to structured information
- Text mining is still far from perfect
- We need more precision and we need better context
- Increase precision by focusing on specific problems
  - Finding privileged information
  - Finding facts related to violation of competition laws
  - Find facts related to bribery



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# FOUR SUB PROJECTS

- Subproject 1 :
  - Criminology/Law
- Subprojects 2-4 :
  - Information Extraction/Information Retrieval









### SUBPROJECT 1: SCOPE AND REQUIREMENT ANALYSIS OF SEARCH PROCESS

- Multidisciplinary literature study
  - IT
  - Criminology
  - Law
- Interviews with professionals and practicioners





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### SUBPROJECTS 2-4: INFORMATION EXTRACTION & RETRIEVAL

- Semantic Search: Applying structured knowledge as a complement to text retrieval
- Using techniques from Information Extraction and Information Retrieval



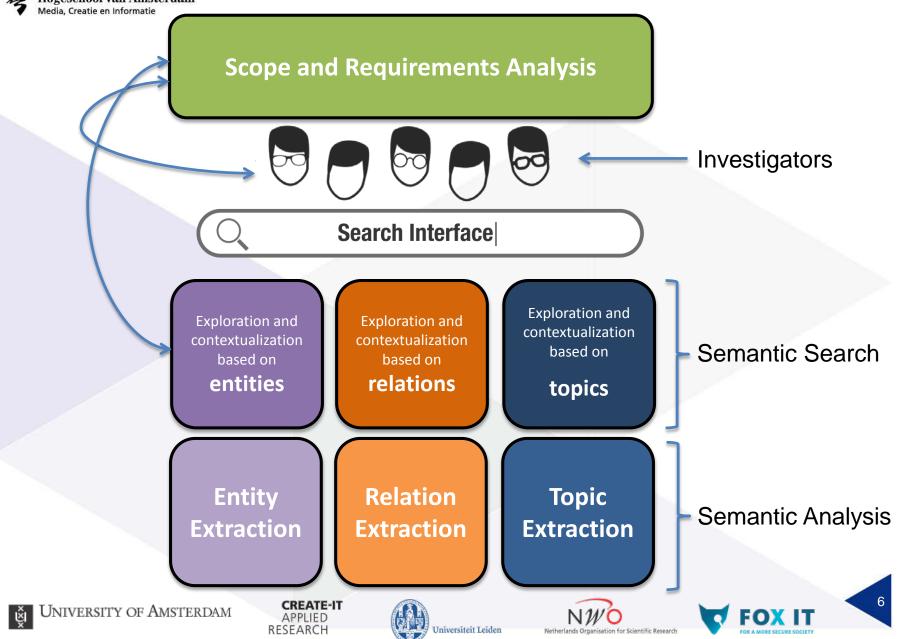








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#### THANK YOU

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