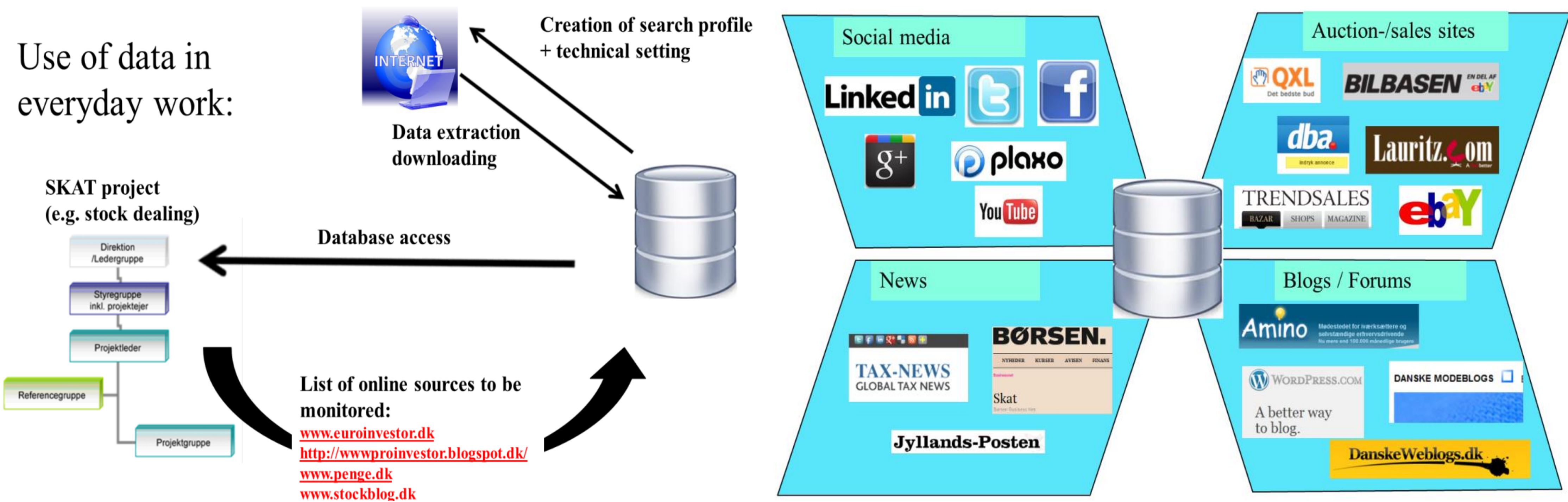


Monitoring of Danish Social Media for Tax Fraud Detection



Short description

A prototype for monitoring and detecting tax frauds within Danish Social media. The tool provides monitoring of predefined internet sources, search and extraction of relevant content and consequently provides basis for auditing purposes.

Contributions

- A surveillance system for tax fraud detection with customized retrieval interface.
- An internet monitoring tool for improved communication from SKAT towards citizens of Denmark.

Crawler

The component constantly retrieves content from several social media sites (social network Twitter with Danish content, auction/sales sites, forums such and RSS news).

Parser

Parser extracts only relevant information from the retrieved content. Particular emphasis was placed on user details extraction from the retrieved content.

Presentation component

The prototype provides a combination of standard keyword based search with tag cloud interface. The latter one provides an insight about underlying data and provides a starting point for keyword search.

Use cases

The collaboration resulted into a discovery of several relevant use cases that were verified by tax auditors such are:

- Illegal selling of products from abroad.
- Enormous selling activity on auction/sales sites.
- Indication of illegal gambling activities.

Future work

Integration of suspicious groups, enhanced fraud detection and more advanced monitoring of social networks.

Contact

PhD fellow *Martin Leginus*
 Department of Computer Science
 Aalborg University
mleginus@cs.aau.dk

Associate Professor Dr. *Peter Dolog*
 Department of Computer Science
 Aalborg University
dolog@cs.aau.dk