Supporting Collaboration by Large Scale Email Analysis

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Motivation
To exploit information and knowledge included in email communication

Approach
• Social Network Extraction
• Objects detection – adding of semantics
  Persons, Organizations, Locations, Contact data

Features
• Social network of communicating people
• Including level of interaction (how many email’s were send and received)
• Social network graph transformed to different graphs based on email addresses, people or organizations
• Graph can be enriched with other objects mentioned in communications depending on ontology model:
  e.g. organizations, enterprises, people or geographical locations
• Large scale email archive processing on MapReduce
• Collaboration through adding hints into the email message such as – see location on the map; manage event in calendar or doodle; use contact information

Acknowledgment: This work is partially supported by Commius FP7-213876, AIIA APVV-0216-07, SEMCO-WS APVV-0391-06, VEGA 2/7098/27