



FP7 Coordination and Support Action to fund 50 technology transfer projects (TTP) in computing systems. This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n° 609491.

Scalable Community Detection on the Cloud (SCDC)

Arnau Prat-Pérez, Josep L. Larriba-Pey, Raquel Pau-Fernández

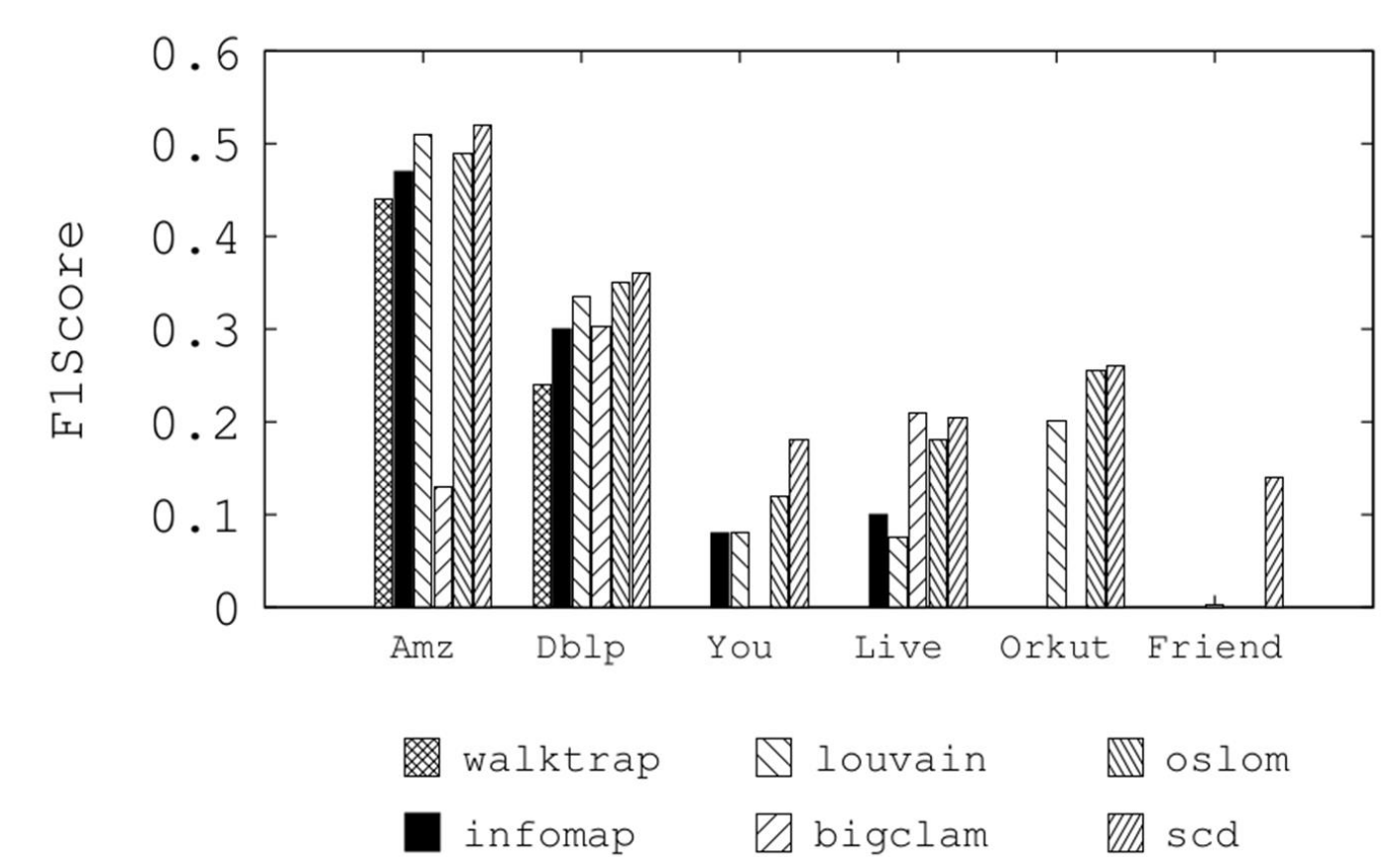
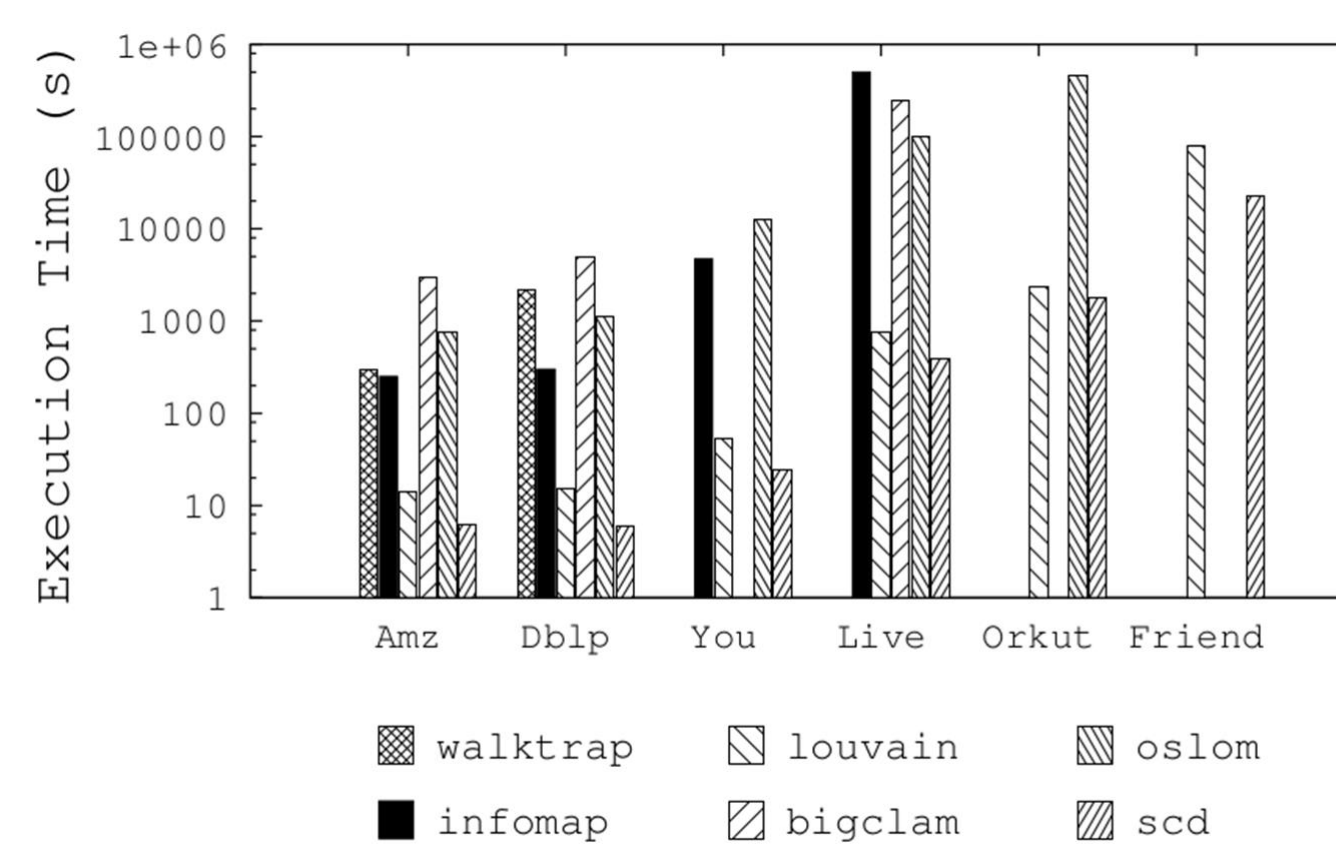
TTP Problem



SCD
Scalable Community Detection

Based on:
- Triangle search
Provides:
- Massive parallelism
- High quality results

High Performance Community Detection



TTP Solution

SCD
Scalable Community Detection

Sparksee
High Performance Graph Database

Cloud SaaS

Application



Programmers can use it:
- As a service
- Embedded in an application
- Through a server



Users:
- Without noticing
- High speed
- High quality communities

Embedded in Sparksee
Available on the Cloud

TTP Impact

Programmers:
- Easy to use SCD

Users:
- High quality, high speed community detection service.

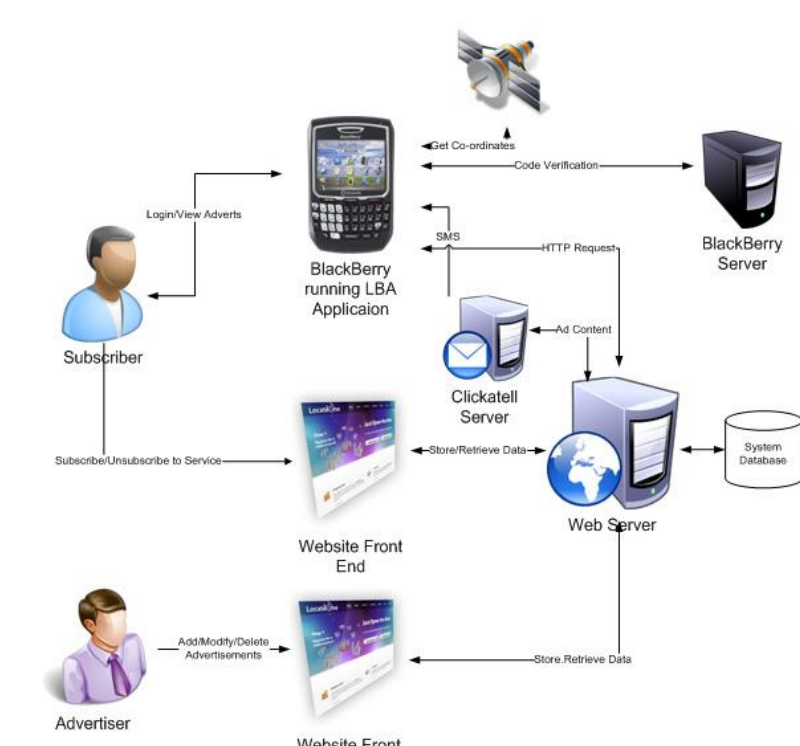
Sparsity Technologies:
- SCD embedded in Sparksee
- Provide services

DAMA-UPC:
- Show the quality of the research done



DAMA-UPC. DATA MANAGEMENT
UNIVERSITAT POLITÈCNICA DE CATALUNYA

sparsity
technologies
powering extreme data



TTP Facts

Contact: Josep Lluís Larriba Pey
E-mail: larri@ac.upc.edu
TETRACOM contribution: 20,063 EUR
Duration: 01/09/2014-31/08/2015

sparsity
technologies
powering extreme data

DAMA-UPC. DATA MANAGEMENT
UNIVERSITAT POLITÈCNICA DE CATALUNYA