

DUNE - SIDES 3.0

Kick-off meeting 10/05/2017

Présentation et positionnement de WIMMICS
Catherine Faron Zucker

WIMMICS TEAM

Web-Instrumented Man-Machine Interactions, Communities and Semantics

- Inria
- CNRS
- UNS

UCA

MULTI-DISCIPLINARY TEAM

- 50 members (2016)
- 14 nationalities
- 1 DR, 3 Professors
- 3CR, 4 Assistant professors
- 1 SRP

DR/Professors:

- Fabien GANDON, Inria, AI, KR, Semantic Web, Social Web
- Nhan LE THANH, UNS, Logics, KR, Emotions
- Peter SANDER, UNS, Web, Emotions
- Andrea TETTAMANZI, UNS, AI, Logics, Agents,

CR/Assistant Professors:

- Michel BUFFA, UNS, Web, Social Media
- Elena CABRIO, UNS, NLP, KR, Linguistics
- Olivier CORBY, Inria, KR, AI, Sem. Web, Programming, Graphs
- Catherine FARON-ZUCKER, UNS, KR, AI, Semantic Web, Graphs
- Alain GIBOIN, Inria, Interaction Design, KE, User & Task models
- Isabelle MIRBEL, UNS, Requirements, Communities
- Serena VILLATA, CNRS, AI, Argumentation, Licenses, Rights

Inria Starting Position: Alexandre MONNIN, Philosophy, Web

CHALLENGE

to bridge social semantics and formal semantics on the Web

WEB GRAPHS

(meta)data of the relations and the resources of the web

web... = ...sites + ...social + ...of data + ...of services + ...semantics

typed graphs = web (graphs) + networks (graphs) + linked data (graphs) + workflows (graphs) + schemas (graphs)

CHALLENGES

- multidisciplinary approach for analyzing and modeling
 - the many aspects of intertwined information systems
 - communities of users and their interactions
- formalizing and reasoning on these models using typed graphs
 - new analysis tools and indicators
 - new functionalities and better management

typed graphs to analyze, model, formalize and implement social semantic web applications for epistemic communities

DBPEDIA.FR

- extract data (content, activity...)
- provide them as linked data

DBPEDIA.FR (extraction, end-point)
180 000 000 triples

models
Web architecture

[Cojan, Boyer et al.]

CORESE/KGRAM

Query & Infer
[Corby et al.]

e.g. DBpedia

STTL

Transform & Present
RDF data
[Corby et al.]

e.g. DBpedia

CrEDIBLE

fédération de données et de Connaissances
Distribuées en Imagerie Biomédicale
Défi MASTODONS

DATA INTEGRATION

Heterogeneous & distributed data
[Montagnat et al.]

Integrating Heterogeneous Data Sources
in the Web of Data, PhD Franck Michel, 2017

e-Education@WIMMICS

2000 TRIAL SOLUTION

2004 MONET

2004 WebLearn

2007 PhD S. Dehors
Exploiting Semantic Web and Knowledge Management technologies for e-Learning

2009 PESOA

2009 PhD A. Yessad
Design an adaptive learning environment based on models and techniques of the Semantic Web

2015 G. Fouko Educlever

2015 O. Rodriguez Gayatech Viséo

2015 PhD S. Beldjoudi
The semantics and the community effect: enrichment and exploitation