

Research Tinder

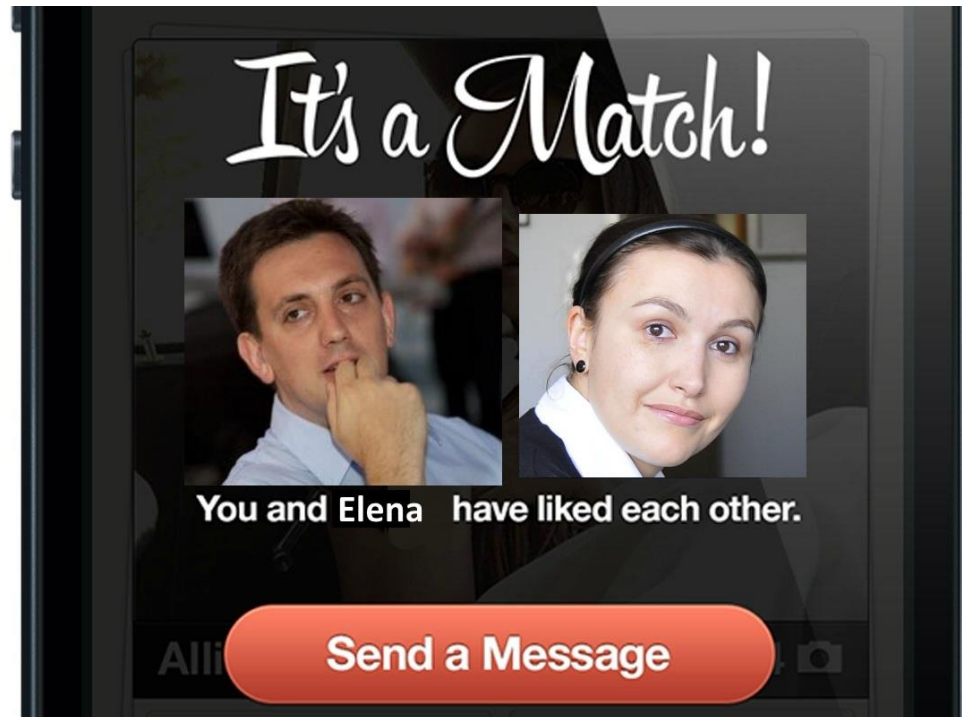
Janine Hellriegel

Umutcan Simsek

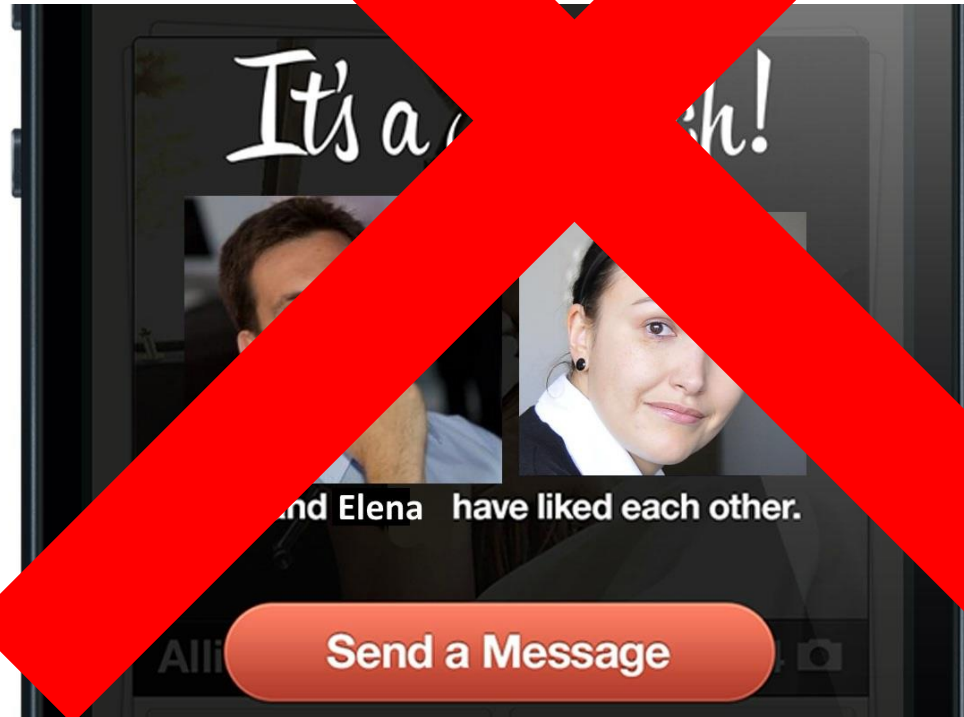
Alexey Andreev

Matthias Frank

Connecting Hearts



Connecting Hearts



Connecting Brains



Find researchers
with similar
research interests
near you!



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Looking for researchers
around?





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Looking for researchers
around?



Bored of your current fellows?





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Looking for researchers
around?



Bored of your current fellows?



You are Junior researcher and
need a researchers network?





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Live Demo

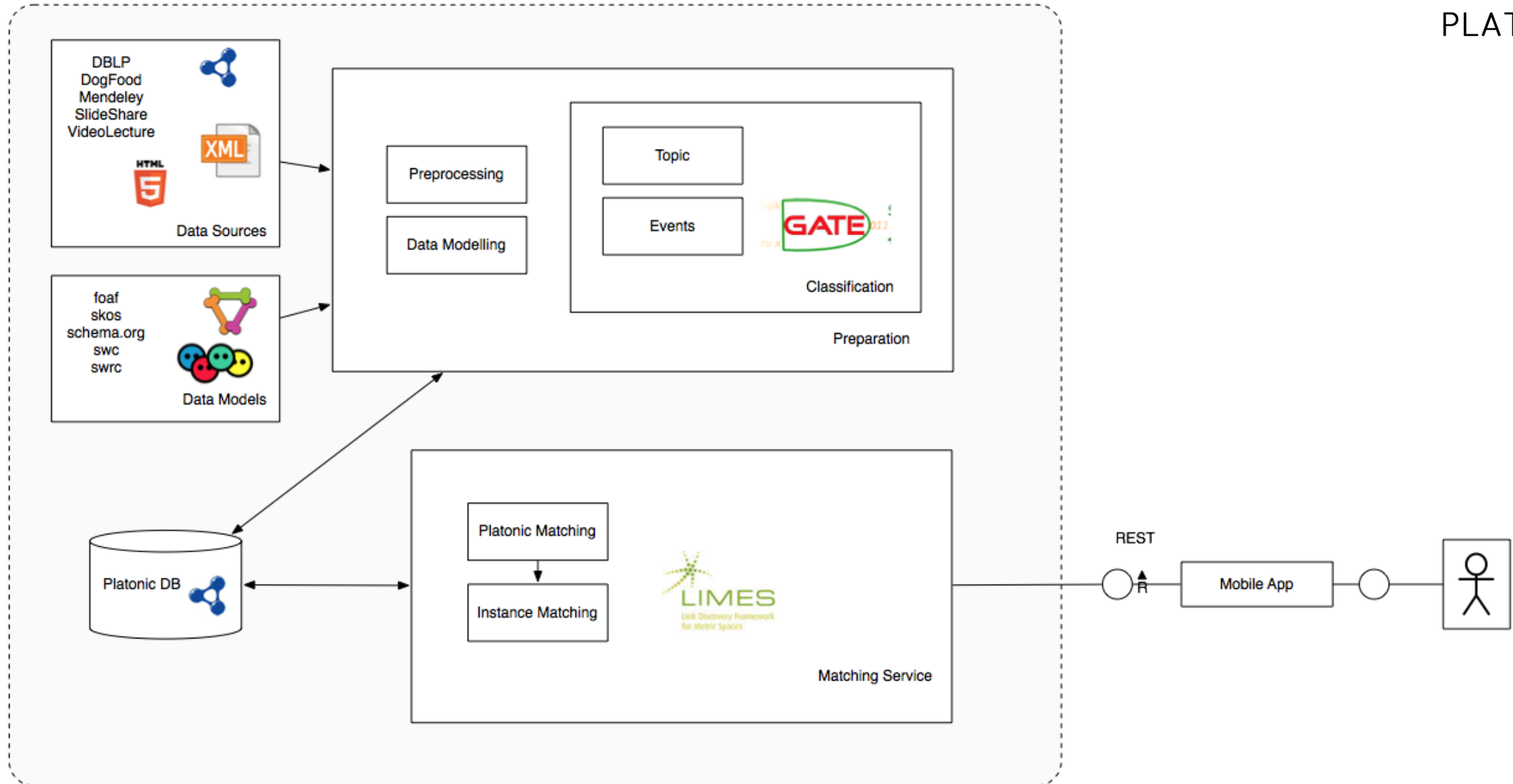


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Architecture Overview

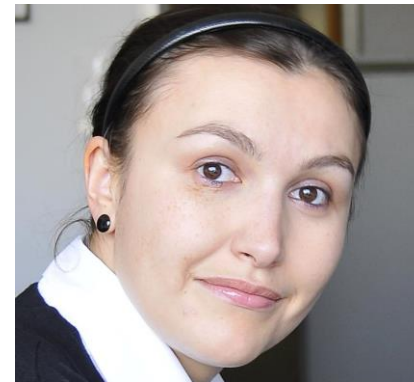
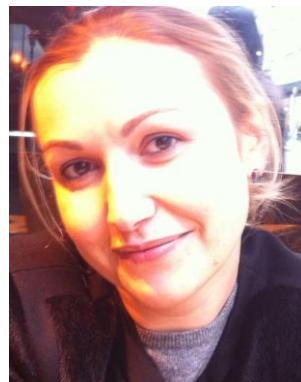


Instance Matching



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Do different instances
refer to the same
person?



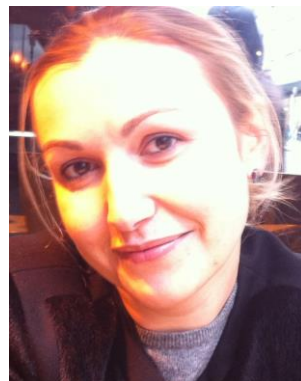
Name	Elena Simperl		Simply Elena
Given Name	Elena		
Family Name	Paslaru Bontas Simperl		
Affiliation	University of Southampton	KIT, AIFB	KIT, TP
Affiliation	STI Innsbruck	University of Southampton	UAS Karlsruhe
Email Hash	09814d21068fb5bacc73c39	826a8f7e4e242ce711b8659	
Email Hash	02bb28bd16ef9f9bcc62d87	09814d21068fb5bacc73c39	
Score	*reference*	0.76 → sameAs	0.46 → different

Instance Matching



PLATONIC

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Name

Elena Simperl

Simply Elena

Given Name

Elena

Family Name

Paslaru Bontas Simperl

Affiliation

University of Southampton

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UAS Karlsruhe

Email Hash

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826a8f7e4e242ce711b8659

Email Hash

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09814d21068fb5bacc73c39

Score

reference

0.76 → sameAs

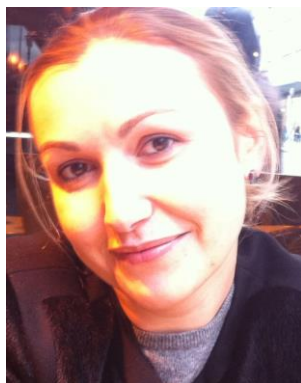
0.46 → different

Platonic Matching



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Should two researchers
work together?



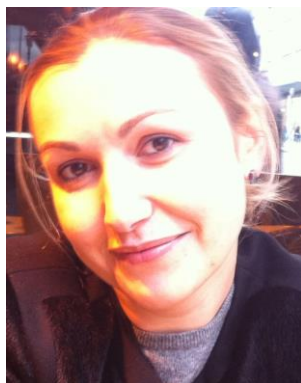
Knows?	*reference*	false
Conference 1	ESWC 2006	I-Semantics 2009
Conference n	SemWiki 2010	ESWC 2014
Paper Topic 1	Crowdsourcing	Linked Data
Paper Topic n	Linked Data	IT Security
Affiliation 1	STI Innsbruck	STI KIT, AIFB
Affiliation n	KIT, AIFB	STI Innsbruck
Score	*reference*	0.84 → next paperPal!

Platonic Matching



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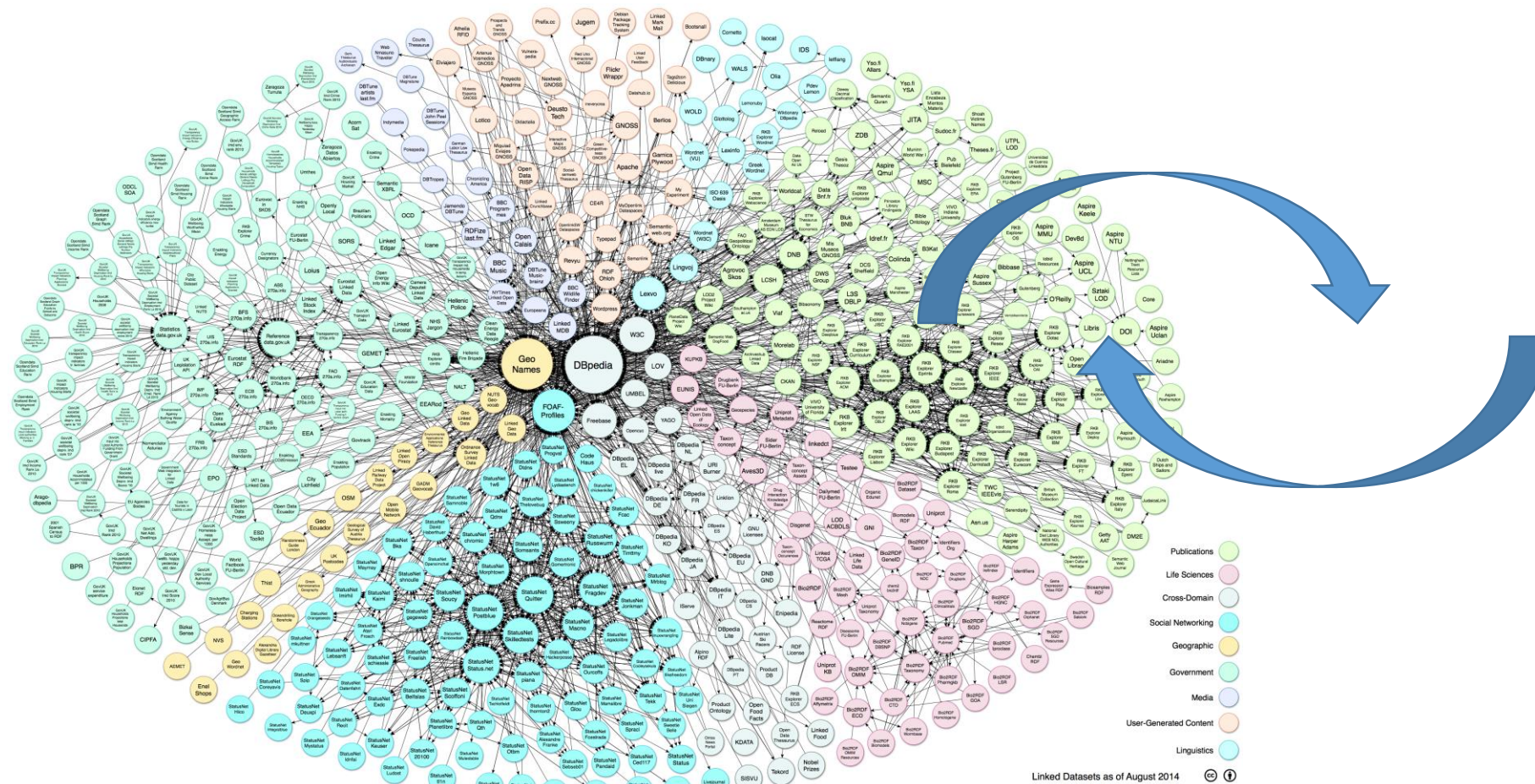


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Why Semantics?



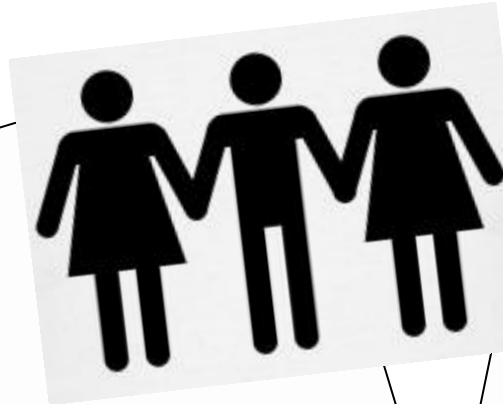
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Future Work



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Platonic Search

I'm Feeling Lucky

Crowdsourcing tasks in Linked Data management

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Abstract. Many aspects of Linked Data management – including exposing legacy data and applications to semantic formats, designing vocabularies to describe RDF data, identifying links between entities, query processing, and data curation – are necessarily tackled through the combination of human effort with algorithmic techniques. In the literature on traditional data management the theoretical and technical groundwork to realize and manage such combinations is being established. In this paper we build upon and extend these ideas to propose a framework by which human and computational intelligence can co-exist by augmenting existing Linked Data and Linked Service technology with crowdsourcing functionality. Starting from a motivational scenario we introduce a set of generic tasks that may feasibly be approached using crowdsourcing platforms such as Amazon's Mechanical Turk, explain how these tasks can be decomposed and translated into MTurk projects, and roadmap the extensions to SPARQL, D2RQ/R2R and Linked Data browsing that are required to achieve this vision.

Thanks for listening



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