



ALICIA

Adaptive Learning for User-Centric Applications

8th meeting, Grenoble
27/05/2016

State of the Project (1)

Project started in February 2014.

- Ending in January 2018 (20 months remaining)
- Following the mid-term review in November 2015, an additional report was submitted in February 2016
 - review still not available
- Industrial partners' changes
 - AlephD was acquired by AOL
 - Vodkaster moved from “Social movie platform” to “DVD marketplace” (now being reconsidered)

State of the Project (2)

- External collaborator: N. Cesa-Bianchi from U.Milan
 - we need to put more effort for his integration
- The scientific coordinator on extended leave of absence in Hong Kong (since September 2016)
 - need for a interim scientific coordinator
- Current ALICIA-funded hirings: one PhD student (UPSud-Telecom), one postdoc (XRCE)
- UPSud Assist. Prof. Silviu Maniu joins for the remainder of the project
- Collaborations: Keio U., Yahoo, Huawei Research

Let's begin !

Tasks of the project

Task	Title	Type	Lead	Start	End
1	Data Models for User-centric Applications		UPSud	0	16/20
1.1	Core Application Data	RD	UPSud	0	7/12
1.2	Higher-order Application Data	RD	LIG	3	16/18
1.3	Physical Data Model	RD	UPSud	4	16/20
2	Algorithms for Adaptive Learning for User Preferences and Expertise		UPS/IMT	4	36/40
2.1	Robustness of MAB Algorithms	RD	IMT	4	22
2.2	Dedicated Bandit Models	RD	UPS	10	36/40
2.3	Algorithms for Learning Complex Objects	RD	LIG	12	36/40
3	Scalable Algorithms for Community Detection, Clustering and Matching		LIG	4	36/42
3.1	Community Detection	RD	LIG	4	26
3.2	Clustering	RD	UPSud	10	28/32
3.3	Matching	RD	UPSud	14	36/42
4	User-Centric Applications		App. partners	0	42/48
4.1	Data Acquisition	RD	UPSud	2	26
4.2	Information Access Applications	RD	Vodkaster / AlephD	14	42/48
4.3	Intelligent Crowdsourcing	RD	Xerox	14	42/48
5	Evaluation		Xerox / UPSud	26	42/48
5.1	Demonstrators for the Project Results	Demo	Vodkaster	26	40/46
5.2	Evaluation and Validation	Eval	Xerox / UPSud	26	42/48
0	Project Management	Mgt	UPSud	0	42/48

Milestones and deliverables

Task	Title and substance of the deliverables and milestones	Delivery date, in months starting from T0	Partner in charge of the deliverable
Task 0. Project Management, Organisation			
	T0.1 Progress reports	T0+6, +12, +18, +24, +30, +36, +42	UPSud
	T0.2 Consortium Agreement	T0+9	UPSud
	T0.3 Project Website	T0+4	UPSud
Task 1. Data Models for User-Centric Applications			
	T1.1 Report on modelling core application data	T0+6	UPSud
	T1.2 Report on modeling higher-order application data	T0+16	LIG
	T1.3 Report on physical data organization	T0+16	UPSud
Task 2. Algorithms for Adaptive Learning of User Preferences and Expertise			
	T2.1 Report on robustness of MAB algorithms	T0+18	IMT
	T2.2 Report on dedicated bandit models	T0+24 / T0 +36	UPS/IMT
	T2.2 Toolbox of dedicated bandit models	T0+24 / T0 +36	UPS/IMT
	T2.3 Report on learning complex objects	T0+24 / T0 +36	LIG
	T2.3 Toolbox for learning complex objects with bandits	T0+24 / T0 +36	LIG
Task 3. Scalable Algorithms for Community Detection, Clustering and Matching			
	T3.1 Report on large scale community detection	T0+26	LIG
	T3.1 Toolbox of community detection algorithms	T0+26	LIG
	T3.2 Report on scalable clustering algorithms	T0+28	UPSud
	T3.2 Toolbox of clustering algorithms	T0+28	UPSud
	T3.3 Report on large scale matching algorithms	T0+24 / T0 +36	UPSud
	T3.3 Toolbox of matching algorithms	T0+24 / T0 +36	UPSud
Task 4. User-Centric Applications			
	T4.1 Report on robustness of data acquisition	T0+26	UPSud
	T4.2 Report on information access applications	T0+26 / T0 +42	Vodkaster / AlephD
	T4.2 Prototype on information access	T0+26 / T0 +42	Vodkaster / AlephD
	T4.3 Report on intelligent crowdsourcing	T0+26 / T0 +42	XRCE
	T4.3 Prototype on intelligent crowdsourcing	T0+26 / T0 +42	XRCE
Task 5. Evaluation			
	T5.1 Realizing demonstrators for the techniques resulting from the project	T0+38	Vodkaster
	T5.2 Evaluation report	T0+42	UPSud / XRCE