



DEBUGIT

Detecting and Eliminating Bacteria Using Information Technology
Large-scale integrating project (FP7, 2008 - 2011)



DebugIT WP10 Winter School January 2010

WP 10 Training and Education

FP7-ICT-2007-1
DebugIT
Grant agreement no 217139

1. General workshop information

1.1 Location and contact persons

INSERM, Paris, January 13-15, 2010
 Rue de l'Ecole de Médecine, Paris
 Local contact: Marie-Christine Jaulent [Marie-Christine.Jaulent@spim.jussieu.fr]
 Program contact: Hans Åhlfeldt [Hans.Ahlfeldt@liu.se]

1.2 Set-up

This workshop is dedicated to in-depth exploration of core challenges of the DebugIT project, namely the building of a common infrastructure for sharing and reusing clinical data in the domain of infectious diseases for the purpose of knowledge extraction through data mining and transformation of this knowledge into useful clinical decision support. The workshop has the following aims.

- To allow the members of the DebugIT project to have in-depth discussions in core methodologies
- To contribute to the overall scientific-technical coordination of the project
- To foster cooperative learning and professional development among project members
- To explore different ways of deployment of DebugIT results
- To explore further cooperation and synergies with related European projects

Estimated number of attendees ~ 35-40

1.3 Program

Wednesday, January 13			
12 – 13	Lunch		
13 – 14	Introduction by Coordinator		
	Overall project description	<i>Dirk</i>	<i>30 min</i>
	Results (so far), remaining challenges		
14 – 18	Session “Interoperability platform” (WP1a, WP1b, WP2)		
	Overview work plan Clinical Data Repository and Interoperability Platform	<i>WP-leads</i>	<i>30 min</i>
	Content and functionality of DebugIT Core Ontology	<i>Daniel, Martin</i>	<i>40 min</i>
	Operational Ontologies discussion	<i>Agfa</i>	<i>30 min</i>
	Coffee		
	The Interoperability Platform (D1.3): technical specification and architecture	<i>Remy</i>	<i>30 min</i>
	Presentation of the “knowledge repository” for the IP scope (content and needed services)	<i>Agfa</i>	<i>20 min</i>
	Lightning talks	x talks a 3 min	<i>60 min</i>
Evening	Common dinner		

Thursday, January 14

9 – 12	Session “Interoperability platform” (continued - WP1a, WP1b, WP2)		
	Tutorial on SPARQL, examples of “SPARQL-round-trip”	<i>Giovanni</i>	60 min
	Multilingual terminology query tool/OLS	<i>Averbis</i>	20 min
	Coffee		
	HL7 information models in the scope of DebugIT project	<i>Christel</i>	20 min
	Harmonisation of Clinical Data Repositories in DebugIT	<i>Douglas</i>	30 min
	It’Sauquet company (external invitation) - Proposition of the pilot implementation		20 min
	Planning for 2010	<i>Inserm, Agfa</i>	
12 -13	Lunch		
13 - 17	Session “Data analysis” (WP3)		
	Overview structured data mining	<i>Alexandros</i>	80 min
	Text mining: query-answering	<i>Patrick</i>	45 min
	Image mining	<i>Dimitris</i>	45 min
	Clinical perspectives on data mining –	<i>Greger</i>	30 min
	“questions I would like to explore in DebugIT clinical repositories”		
	Coffee		
	Discussion on WP3 interface to WP1-2 and WP4-5	<i>Agfa</i>	30 min
	17 – 18 Issues on data quality, security and integrity	<i>Dipak</i>	60 min
	Methods for anonymization of clinical data		

Friday, January 15

9 - 12	Session “Decision support” (WP4, 5, 6)	<i>Agfa, Patrick</i>	
	Knowledge representation	<i>Csaba</i>	45 min
	Application scenarios	<i>Csaba, Patrick</i>	45 min
	Clinical perspectives on decision support	<i>Csaba, Patrick</i>	45 min
	Lightning talks ¹	x talks a 3 min	45 min
12 – 13	Lunch		
13 – 15	Related projects / Summary		
	Related European initiatives	<i>Hans, Karl, Dirk et.al</i>	
	Report from the EU-ADR (ALERT) project	<i>Paul Avillach</i>	
	Summary of workshop		

1) A Lightning Talk is a short presentation given at a conference or similar forum. Unlike other presentations, lightning talks last only a few minutes and several will usually be delivered in a single period by different speakers. The topics of the Lightning talks should be within the scope of the workshop program.

