



# WAVESTONE



Institute of Communication & Computer Systems  
of the National Technical University of Athens

**TNO** innovation  
for life



**KOMIS**

## Big Data and B2B platforms: the next big opportunity for Europe

Centre for European Policy Studies  
1 Place du Congrès, 1000 BRUSSELS, Tuesday 17 September 2019 08:30 – 17:45

### SECOND WORKSHOP

The Executive Agency for Small and Medium-sized Enterprises (EASME) and the European Commission are conducting **the study “Big Data and B2B platforms: the next big opportunity for Europe”** whose objective is to analyse how to accelerate the growth of the data-based economy and to support the development of B2B platforms in Europe focusing on two sectors: automotive and healthcare.

Under this study two Pilots will be developed, one for each sector being analysed. Four workshops for each pilot are planned during the execution of the study.

The morning session of this second workshop will be dedicated to the pilot **on Fair and equal data sharing for cooperative, connected and automated mobility**. This part will look more closely into the explanation of the Shared Server architecture and of the bottlenecks for its implementation, the proposed services and their data, the privacy protection, and the demonstration of the Azure platform components that will be used during the implementation phase.

The afternoon session will deal with the pilot on **High-quality, diabetes-related data repository by using the latest technologies and big data breakthroughs**. During the afternoon session, the steps taken to achieve a data structure and a demo of the data infrastructure (selected databases, data integration and demo of research queries) will be presented and discussed. Furthermore, participants will interact in group discussions trying to establish agreement on specific ordering of ontologies, vocabulary and identifying potential bottlenecks related to the case studies.

The detailed **workshop Agenda** is presented below.

## Big Data and B2B platforms: the next big opportunity for Europe

**Pilot 1: Fair and equal data sharing for cooperative, connected and automated mobility**

**Pilot 2: Explore the feasibility of, pilot, promote and stimulate strategic investments in high-impact healthcare related projects.**

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Start	Finish	Duration	Subject	Speaker
08:30	09:00	30 min	Registration	
<b>Morning session (9:00-12:50)</b>				
<b>Automated Mobility</b>				
Fair and equal data sharing for cooperative, connected and automated mobility				
<b>Presentations</b>				
09:00	09:10	10 min	<b>Welcome</b> General information about the workshop	Wavestone
09:10	09:25	15 min	Pilot on <b>Fair and equal data sharing for cooperative, connected and automated mobility</b> Overview and introduction to the second workshop's objectives	ICCS-NTUA
09:25	09:40	15 min	<b>Explanation of Shared Server Solution architecture needs and the pilot design</b> Presentation of the Shared Server Solution architecture focusing on piloting feasible information flows, managing systems' complexity and data diversity.	ICCS-NTUA
09:40	09:55	15 min	<b>Review of services and data needs</b> In this session the services identified during the 1st workshop will be coupled with pilot data and will be investigated concerning low latency as well as heavy processing needs.	ICCS-NTUA
09:55	10:05	10 min	<b>Privacy protection, users and service providers registration</b> Explanation of how to protect privacy: investigation of user and service registration flows as well as consent-giving.	ICCS-NTUA
10:05	10:15	10 min	<b>Microsoft Azure components to be used by the pilot: Demonstration and experimentations.</b> Demonstration and hands-on experience on the Azure platform components and data that will be used during the implementation phase.	ICCS-NTUA
10:15	10:30	15 min	<i>Break</i>	
<b>World Café on cooperative, connected and automated mobility</b>				
The participants are divided in three groups (A, B, C). The groups rotate every 30 minutes and the participants contribute to each of the three group discussions.				
10:30	11:10	40 min	<b>World Café 1<sup>st</sup> round:</b> A - Shared Server Solution architecture needs and the pilot design group discussion B - Review of proposed services and data group discussion C - Privacy and Azure components group discussion	ICCS-NTUA
11:10	11:50	40 min	<b>World Café 2<sup>nd</sup> round:</b>	

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			C - Shared Server Solution architecture needs and pilot design group discussion A - Review of proposed services and data group discussion B - Privacy and Azure components group discussion	
11:50	12:30	40 min	<b>World Café 3<sup>rd</sup> round:</b> B - Shared Server Solution architecture needs and pilot design group discussion C - Review of proposed services and data group discussion A - Privacy and Azure components group discussion	ICCS-NTUA
12:30	12:50	20 min	<b>Short presentation of the main findings from each group owner.</b> <b>Next steps and general discussion.</b>	World Café groups moderators
12:50	13:50	60 min	Lunch break	
<b>Afternoon session (13:50-17:45)</b>				
<b>Health Data</b>				
High-quality, diabetes-related data repository by using the latest technologies and big data breakthroughs				
<b>Presentations</b>				
13:50	14:00	10 min	<b>Welcome</b> General information about the workshop	Wavestone
14:00	14:20	20 min	<b>Introduction on data infrastructure process and progress</b> Explanation of the steps taken to achieve a pilotable data structure. Elaboration of process steps and state of the art of the progress made. <i>[Q&amp;A discussion]</i>	Jildau Bouwman André Boorsma Andrew Bedard TNO
14:20	14:40	20 min	<b>Demo of data infrastructure</b> - Presentation of selected databases; - Demo of integration of data; - Demo of research queries. <i>[Q&amp;A discussion]</i>	Andrew Bedard TNO
14:40	15:10	30 min	<b>Q&amp;A discussion on the platform design and demo</b> Detailed background information will be included in the Workshop Brief	TNO
15:10	15:25	15 min	Break	
<b>Interactive session on Ontology</b>				
Two groups will start the discussion on ontology: opportunities and bottlenecks will be discussed				
15:25	15:40	15 min	<b>Introduction</b> Plenary Introduction on current approach about ontology to: 1. discuss structure; 2. identify missing definitions; 3. identify bottlenecks.	Jildau Bouwman TNO
15:40	16:25	45 min parallel	Group A: participants with technical background	<b>Moderator:</b> Jildau Bouwman, Andrew Bedard TNO

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15:40	16:25	45 min parallel	Group B: participants with (bio)medical background	<b>Moderator:</b> André Boorsma, Martijn van Emmerik TNO
16:25	16:55	30 min	<b>Plenary discussion</b> Introduction of a real-life example of use cases and discussion with the participants to identify definitions blanks and bottlenecks	All participants
16:55	17:10	15 min	Break	
17:10	17:40	30 min	<b>Conclusions on pilot progress and bottlenecks to be tackled for the next pilot's phase</b> Group discussion led by the Pilot leaders. It will include the definition of working groups that will continue to work on specific terminology after the current workshop and in view of the third workshop.	Jildau Bouwman André Boorsma TNO
17:40	18:00	20 min	<b>Closing and planning next steps</b> Presentation of the next steps	Jildau Bouwman TNO Eleonora Zoboli, Wavestone