

**DOSSIER-Cloud**

**DEVOPS-BASED SOFTWARE ENGINEERING FOR THE CLOUD**

<http://www.dossier-cloud.eu>



## **Deliverable D6.3**

**Project Dissemination Support materials – 1<sup>st</sup> Report**

### Document details:

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<b>Version</b>	<b>Date</b>	<b>Contributor</b>	<b>Comments</b>
1.0	22/01/17	Panayiotis Christodoulou	Initial document, structure and content
2.0	1/12/16	Andreas Andreou	First and final review

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# **1. Introduction**

## **1.1 Purpose**

This document provides information regarding the dissemination activities such as project leaflets, invitations, brochures, electronic articles etc.

This deliverable is part of Work Package 6 (WP6) that presents how the work conducted in this project will be published and shared with the larger community of cloud computing; sections of the society that can benefit from this project are also identified. WP6 also produces regular reports for dissemination and exploitation, develops a web presence so that the public and relevant stakeholders can be informed about the project objectives, results, events, workshops and summer schools.

## **1.2 Definitions, Acronyms, and Abbreviations**

CUT: Cyprus University of Technology

UvT: University of Tilburg

POLIMI: Politecnico di Milano

## **1.3 Overview**


The rest of the document is structured as follows: Section 2 presents the leaflets produced for the project, while section 3 outlines the invitations created for the mini-schools and the stakeholders event. Section 4 presents the posters/banners created in the project, section 5 describes press releases on various informative sources, and, finally, section 6 concludes the document.

## 2. Leaflets


### 1st leaflet

DOSSIER-Cloud : DEVOPS-BASED SOFTWARE ENGINEERING FOR THE CLOUD

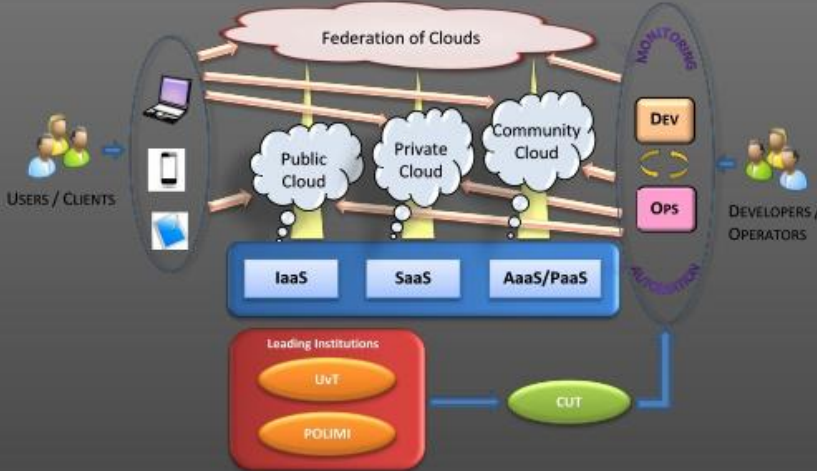
Leaflet 01 - Feb 2016






**DOSSIER-Cloud**  
**DEVOPS-BASED SOFTWARE ENGINEERING**  
**FOR THE CLOUD**






DOSSIER-Cloud is a 3-year project that proposes a series of coordination and support actions for promoting research in the area of Software Engineering for Distributed Systems development. It brings together two internationally recognized scientific groups from the Netherlands (University of Tilburg - UvT) and Italy (Politecnico di Milano - POLIMI) that collaborate with Cyprus University of Technology (CUT). The aim of DOSSIER-Cloud is to facilitate transfer of scientific knowledge and expertise, as well as of best research practices from UvT and POLIMI to CUT and ultimately strengthen the research and scientific profile of the partners in the relevant area.




**Consortium**




**Contact us**

 [www.dossier-cloud.eu](http://www.dossier-cloud.eu) [fb.dossier-cloud.eu](https://fb.dossier-cloud.eu) [twitter.dossier-cloud.eu](https://twitter.dossier-cloud.eu)



Coordination and Support actions- Spreading Excellence and Widening Participation  
Twinning – HORIZON 2020 (H2020-TWINN-2015)





**DOSSIER-Cloud**  
**DEVOPS-BASED SOFTWARE**  
**ENGINEERING**  
**FOR THE CLOUD**





DOSSIER-Cloud is a 3-year Horizon-2020 project that proposes a series of coordination and support actions for promoting research in the area of Software Engineering for Distributed Systems development.

The project brings together two internationally recognized scientific groups, University of Tilburg, Netherlands, and Politecnico di Milano, Italy, that collaborate with Cyprus University of Technology on a number of research topics. These topics include novel DevOps oriented software life-cycle methodologies for distributed systems, as well as automation of certain phases or activities, like reconfiguration and deployment.

Emphasis is placed on industrial involvement and practitioners' engagement. The DOSSIER-Cloud consortium has identified different groups of stakeholders and seeks to collaborate with them at national, European and worldwide level.

The results are expected to : (i) Increase developer productivity, reduce development effort and improve quality of software services, (ii) Impact the way distributed software services and applications are produced, and, (iii) Pave the way for software development organizations to become more agile when striving to adequately respond to clients' expectations.

The DOSSIER-Cloud project invites you to participate and collaborate with its partners to help improve communication between vendors and clients, decrease delays in business activities, enable a better decision-making, improve the competitiveness of the EU software industry and create new methods, tools and applications for technology supported management of business processes.

## STAKEHOLDERS INVITATION

<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>CLOUD SERVICE PROVIDERS</div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>SOFTWARE SOLUTIONS DEVELOPERS</div> </div>
<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>CLOUD VENDORS</div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>SOFTWARE INTEGRATORS</div> </div>
<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>CLOUD ENABLERS</div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>IT COMPANIES</div> </div>
<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>POLICY MAKERS</div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">+</div> <div>BUSINESS ANALYSTS</div> </div>



If your company, organisation or institute is under any of the above areas please do not hesitate to contact us for more information regarding the DOSSIER-Cloud project.



[www.dossier-cloud.eu](http://www.dossier-cloud.eu)

[fb.dossier-cloud.eu](https://fb.dossier-cloud.eu)

[twitter.dossier-cloud.eu](https://twitter.dossier-cloud.eu)

### 3. Invitations

#### 1st mini-school on Cloud Computing and Software Services in the context of the Dossier-Cloud project

The Department of Electrical Engineering, Computer Engineering and Informatics of the Cyprus University of Technology, and the consortium of the EU funded project Dossier-Cloud (HORIZON-2020) cordially invite you to attend the 1st mini-school on Cloud Computing and Software Services. During this two-day event renowned professors and researchers from the Politecnico di Milano (POLIMI), Italy, will deliver lectures on topics from the area of Cloud Computing and Software Services. The lectures will be in English.

Thursday, September 15, 2016  
Student Services Building  
Conference Room, Ground Floor,  
Athinon and N.Xiouta corner,  
Lemesos

Friday, September 16, 2016  
Polichoros Ktisis,  
Heroes Square, Limassol



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# Πρόσκληση

1<sup>ο</sup> μινι-σχολείο στο Υπολογιστικό  
Νέφος και τις Υπηρεσίες  
Λογισμικού

**Πέμπτη, 15 Σεπτεμβρίου 2016**

Αίθουσα Συνεδριάσεων,  
Ισόγειο Υπηρεσίας Σπουδών και  
Φοιτητικής Μέριμνας,  
Γωνία Αθηνών και Ν. Ξιούτα,  
Λεμεσός

**Παρασκευή, 16 Σεπτεμβρίου 2016**

Πολυχώρος ΚΤΗΣΙΣ,  
Πλατεία Ηρώων, Λεμεσός

Το Τμήμα Ηλεκτρολόγων Μηχανικών, Μηχανικών  
Η/Υ και Πληροφορικής του Τεχνολογικού  
Πανεπιστημίου Κύπρου, και οι εταίροι του έργου  
Dossier-Cloud που χρηματοδοτείται από την ΕΕ  
και το πρόγραμμα HORIZON2020, σας  
προσκαλούν στο πρώτο μινι-σχολείο με θέματα  
γύρω από το Υπολογιστικό Νέφος και τις  
Υπηρεσίες Λογισμικού. Στο διήμερο σχολείο θα  
μιλήσουν διακεκριμένοι καθηγητές και ερευνητές  
από το Πολυτεχνείο του Μιλάνου (Politecnico di  
Milano - POLIMI). Οι διαλέξεις θα είναι στα  
Αγγλικά.



Πληροφορίες: 25 00 25 33  
<http://www.dossier-cloud.eu>







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# Invitation

**1<sup>st</sup> mini-school on Cloud  
Computing and Software  
Services in the context of the  
Dossier-Cloud project**

**Thursday, September 15, 2016**

**Student Services Building  
Conference Room, Ground Floor,  
Athinon and N.Xiouta corner,  
Lemesos**

**Friday, September 16, 2016**

**Polichoros Ktisis,  
Heroes Square, Limassol**

The Department of Electrical Engineering, Computer Engineering and Informatics of the Cyprus University of Technology, and the consortium of the EU funded project Dossier-Cloud (HORIZON-2020) cordially invite you to attend the 1<sup>st</sup> mini-school on Cloud Computing and Software Services. During this two-day event renowned professors and researchers from the Politecnico di Milano (POLIMI), Italy, will deliver lectures on topics from the area of Cloud Computing and Software Services. The lectures will be in English.



Πληροφορίες: 25 00 25 33  
<http://www.dossier-cloud.eu>



# Πρόγραμμα / Program

## Day 1 - Thursday, 15/9/2016

**09:00 - 09:15** – Welcoming. Introduction to Dossier-Cloud project  
(A. Christoforou, A.S. Andreou)

**09:15 - 10:15** – Monitoring of Cloud-/Service-based Systems  
(Luciano Baresi)

**10:15 - 10:45** – Questions/Discussion on previous talk (audience)

**10:45 - 11:15** – Coffee break

**11:15 - 12:15** – Hybrid Cloud-based Applications (Luciano Baresi)

**12:15 - 12:45** – Questions/Discussion on previous talk (audience)

**12:45 - 13:45** – Cloud-based Software Verification (Srdjan Krstić)

**13:45 - 14:15** – Questions/Discussion on previous talk (audience)

**14:15 - 15:30** – Lunch break

## Day 2 - Friday, 16/9/2016

**09:15 - 10:15** – Dependability of Adaptable and Evolvable  
Distributed and Multi-Owner Systems – Part A' (Carlo Ghezzi)

**10:15 - 10:45** – Questions/Discussion on previous talk (audience)

**10:45 - 11:15** – Coffee break

**11:15 - 12:15** – Dependability of Adaptable and Evolvable  
Distributed and Multi-Owner Systems – Part B' (Carlo Ghezzi)

**12:45 - 13:45** – Specification of Cloud-Based Elastic Systems  
(Srdjan Krstić)

**13:45 - 14:15** – Questions/Discussion on previous talk (audience)

**14:15 - 15:30** – Lunch break

## Short CVs

### Carlo Ghezzi

Carlo Ghezzi is a Professor and Chair of Software Engineering at the Politecnico di Milano - Dipartimento di Elettronica, Informazione e Bioingegneria. He has been the Rector's delegate for research, past member of the Academic Senate and of the Board of Governors, and past Department Chair. He held temporary or visiting positions at the University of California at Los Angeles, University of North Carolina at Chapel Hill, University of Padova, ESIA-Argentina, University of California at Santa Barbara, Technical University of Vienna, University of Klagenfurt. He has an Adjunct Professor position at the Faculty of Informatics of the University of Lugano.

He is an ACM Fellow, IEEE Fellow, Member of Academia Europaea, Member of the Italian Academy of Sciences (Istituto Lombardo). He has been awarded the 2006 ACM SIGSOFT Distinguished Service Award. He is past President of Informatics Europe. He has been on the evaluation board of several international research projects and institutions in Europe, Japan, and the USA.

He is a regular member of the program committee of important conferences in the software engineering field, such as the ICSE and ESEC/FSE, for which I also served as Program and General Chair. I have given keynotes at several international conferences, including ESEC/FSE and ICSE. I have been the Editor in Chief of the ACM Trans. on Software Engineering and Methodology (from 2001 till 2006). He is currently an Associate Editor of Communications of the ACM, Science of Computer Programming, Service Oriented Computing and Applications, and Computing.

His research has been focusing on software engineering and programming languages. Currently, he is especially interested in methods and tools to improve dependability of adaptable and evolvable distributed applications, such as service-oriented architectures and ubiquitous/pervasive computer applications. He co-authored over 200 papers and 8 books. He coordinated several national and international (EU funded) research projects and I have been awarded an Advanced Grant from the European Research Council.

## Short CVs

### Luciano Baresi

Luciano Baresi is a full professor at the Politecnico di Milano - Dipartimento di Elettronica, Informazione e Bioingegneria, where he earned both his laurea (master) degree and PhD in computer science. Luciano was visiting professor at University of Oregon (USA) and visiting researcher at University of Paderborn (Germany).

Luciano was program chair for ICECCS02, FASE06, ICWE07, ICSOC09, SEAMS12 and ESEC/FSE13, and general chair for WICSA/CompArch16. Luciano is member of the editorial board of ACM Transactions on Autonomous and Adaptive Systems, IEEE Transactions on Software Engineering, and of IEEE Transactions on Service Computing.

Luciano has co-authored more than 130 papers. Some of his works appeared on top-level journals/magazines like ACM Transactions on Software Engineering and Methodology, IEEE Transactions on Software Engineering, IEEE Computer, IEEE Software, and IEEE Internet Computing. He is also co-author of a book in Italian. Currently his work has been cited some 6500 times and his h-index is 40 (source Google Scholar). Luciano was awarded two CNR short-term mobility grants, an IBM Shared University Research award and an IBM Faculty award.

His research interests are in the broad area of software engineering. At the beginning he was interested in formal approaches for modeling and specification languages, he then moved to UML and the design of Web applications. Currently, he is interested in distributed systems, service-based applications and in the different aspects of mobile, self-adaptive, and pervasive software systems. His research has always been funded by participating in national and international projects. Among these, Luciano was responsible of the activities at Politecnico for the following EU-supported projects: MOMOCS, SLA@SOI, MADES, and Indenica.

## Short CVs

### **Srdjan Krstic**

Srdjan received his BSc in Electrical engineering and Computer Science from the University of Niš, Faculty of Electronic Engineering in 2010, his MSc in Engineering of Computing systems in 2012, and his PhD in Information Technologies in 2016, both from the Politecnico di Milano, Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB).

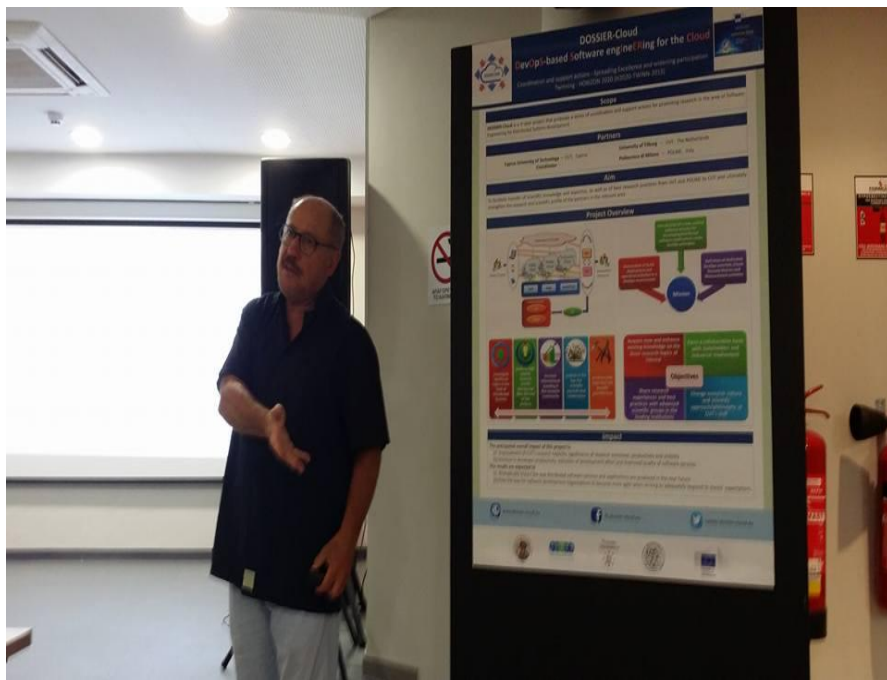
He is currently a Postdoctoral Fellow with the Politecnico di Milano. He was also Visiting Scientist at NASA Ames Intelligent Systems Division where he collaborated with researchers from the robust software engineering group to investigate runtime monitoring of requirements in the context of Unmanned Aircraft Systems (UASs) and air-traffic control systems. He served as Teaching Assistant at the Politecnico di Milano.

The main focus of his research is on the specification and verification of quantitative properties of complex systems. He has a strong formal mathematical background and experience in specifying system properties using different specification languages based on temporal logic. He has developed decision procedures for such specification languages and showed how they can be applied to trace checking and runtime verification. Finally, he has studied distributed computational frameworks like MapReduce and Spark to scale-up and parallelize the above-mentioned verification procedures.



Photos from the 1st mini-school









**1st Stakeholders Meeting and Workshop on Cloud Computing and Software Services in the context of the Dossier-Cloud project**

The Department of Electrical Engineering, Computer Engineering and Informatics of the Cyprus University of Technology, and the consortium of the EU funded project Dossier-Cloud (HORIZON-2020) cordially invite you to attend the 1st Stakeholders Meeting and Workshop on Cloud Computing and Software Services. This event will introduce the objectives of the Dossier-Cloud project and disseminate its results thus far. Opportunities for collaboration with the interested stakeholders will be discussed and business/market challenges will be addressed.

Saturday, September 17, 2016

Amphitheater 2,

Tassos Papadopoulos building, Ifigenias and Themidos corner, Limassol



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# Πρόσκληση

**1<sup>η</sup> Συνάντηση Συνεργατών –  
Εργαστήρι Χρηστών στο  
Υπολογιστικό Νέφος και τις  
Υπηρεσίες Λογισμικού στα  
πλαίσια του έργου Dossier-  
Cloud**

**Σάββατο, 17 Σεπτεμβρίου 2016**

**Αμφιθέατρο 2,  
Κτήριο Τάσος Παπαδόπουλος,  
Γωνία Θέμιδος και Ιφιγενείας,  
Λεμεσός**

Το Τμήμα Ηλεκτρολόγων Μηχανικών, Μηχανικών Η/Υ και Πληροφορικής του Τεχνολογικού Πανεπιστημίου Κύπρου, και οι εταίροι του έργου Dossier-Cloud που χρηματοδοτείται από την ΕΕ και το πρόγραμμα HORIZON-2020, σας προσκαλούν στην 1<sup>η</sup> Συνάντηση Συνεργατών / Εργαστήρι Χρηστών στο Υπολογιστικό Νέφος και τις Υπηρεσίες Λογισμικού. Στην ημερίδα αυτή θα παρουσιαστούν οι βασικοί στόχοι του έργου, τα μέχρι στιγμής αποτελέσματα και οι δυνατότητες συνεργασίας με τους ενδιαφερόμενους φορείς και εταιρείες.



Πληροφορίες: 25 00 25 33  
<http://www.dossier-cloud.eu>





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# Invitation

**1<sup>st</sup> Stakeholders Meeting and  
Workshop on Cloud  
Computing and Software  
Services in the context of the  
Dossier-Cloud project**

**Saturday, September 17, 2016**

**Amphitheater 2,  
Tassos Papadopoulos building,  
Ifigenias and Themidos corner,  
Limassol**

The Department of Electrical Engineering, Computer Engineering and Informatics of the Cyprus University of Technology, and the consortium of the EU funded project Dossier-Cloud (HORIZON-2020) cordially invite you to attend the 1<sup>st</sup> Stakeholders Meeting and Workshop on Cloud Computing and Software Services. This event will introduce the objectives of the Dossier-Cloud project and disseminate its results thus far. Opportunities for collaboration with the interested stakeholders will be discussed and business/market challenges will be addressed.



Information: 25 00 25 33  
<http://www.dossier-cloud.eu>



# Program

**Saturday, 17/9/2016**

**09:00 - 09:15** – Registration

**09:15 - 09:45** – Welcoming. Introduction to the Dossier-Cloud project (A.S. Andreou, A. Christoforou)

**09:45 - 10:10** – Human Resources Management for Developing Cloud Software Services and Beyond (C. Stylianou)

**10:10 - 10:30** – Novel Cloud Services and Modeling For Smart Cities (H. Neofytou)

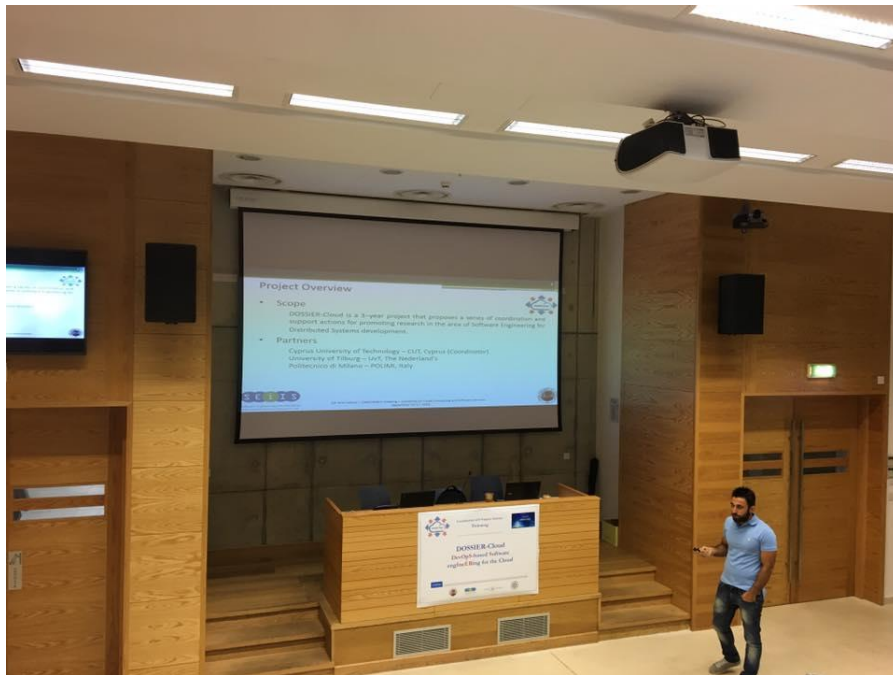
**10:30 - 11:00** – Coffee break

**11:00 - 11:20** – Applications of Machine Learning and Data Science to Cloud Computing (A.S. Andreou, A. Christoforou)

**11:20 - 11:40** – Local stakeholders' involvement, piloting cases of interest (P. Christodoulou)

**11:40 - 12:30** – Closing: Opportunities for Collaboration - Discussion (audience). Coordinator A.S. Andreou

## Photos from the Stakeholders event







## **2nd mini-school on Cloud Computing and Software Services in the context of the Dossier-Cloud project**

The Department of Electrical Engineering, Computer Engineering and Informatics of the Cyprus University of Technology, and the consortium of the EU funded project Dossier-Cloud (HORIZON-2020) cordially invite you to attend the 2nd mini-school on Cloud Computing and Software Services. During this two-day event renowned professors from the Stichting Katholieke Universiteit Brabant Universiteit Van Tilburg, Netherland, will deliver lectures on topics from the area of Cloud Computing and Software Services. The lectures will be in English.

Wednesday, October 12, 2016

Friday, October 14, 2016

Senate Conference Room,  
Senate Building,  
Ground floor,  
(opposite Limassol Municipality)  
Lemesos



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# Πρόσκληση

**2<sup>ο</sup> μινι-σχολείο στο Υπολογιστικό  
Νέφος και τις Υπηρεσίες Λογισμικού**

**Τετάρτη, 12 Οκτωβρίου 2016  
Παρασκευή, 14 Οκτωβρίου 2016**

**Αίθουσα Συνεδριάσεων Συγκλήτου,  
Κτίριο Συγκλήτου,  
(απέναντι από Δημαρχείο)  
Λεμεσός**

Το Τμήμα Ηλεκτρολόγων Μηχανικών, Μηχανικών Η/Υ και Πληροφορικής του Τεχνολογικού Πανεπιστημίου Κύπρου, και οι εταίροι του έργου Dossier-Cloud που χρηματοδοτείται από την ΕΕ και το πρόγραμμα HORIZON2020, σας προσκαλούν στο δεύτερο μινι-σχολείο με θέματα γύρω από το Υπολογιστικό Νέφος και τις Υπηρεσίες Λογισμικού. Στο διήμερο σχολείο θα μιλήσουν διακεκριμένοι καθηγητές από το Πανεπιστήμιο του Tilburg (Stichting Katholieke Universiteit Brabant Universiteit Van Tilburg). Οι διαλέξεις θα είναι στα Αγγλικά.



Πληροφορίες: 25 00 25 33  
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# Invitation

## 2<sup>nd</sup> mini-school on Cloud Computing and Software Services

Wednesday, October 12, 2016

Friday, October 14, 2016

Senate Conference Room,  
Senate Building,  
Ground floor,  
(opposite Limassol Municipality)  
Lemesos

The Department of Electrical Engineering, Computer Engineering and Informatics of the Cyprus University of Technology, and the consortium of the EU funded project Dossier-Cloud (HORIZON-2020) cordially invite you to attend the 2<sup>nd</sup> mini-school on Cloud Computing and Software Services. During this two-day event renowned professors from the Stichting Katholieke Universiteit Brabant Universiteit Van Tilburg, Netherland, will deliver lectures on topics from the area of Cloud Computing and Software Services. The lectures will be in English.



Πληροφορίες: 25 00 25 33  
<http://www.dossier-cloud.eu>



# Πρόγραμμα / Program

## Day 1 - Wednesday, 12/10/2016

**09:00 - 09:15** – Welcoming (A. Christoforou, A.S. Andreou)

**09:15 - 10:15** – Analytics of Things: SoA - SoP - VoS

PAIRIT - Medical BLueprinting (Willem-Jan van den Heuvel)

**10:15 - 10:30** – Questions/Discussion on previous talk (audience)

**10:30 - 10:45** – Coffee break

**10:45 - 11:45** – Analytics of Things: SoA - SoP - VoS

CrossCarPool - Predictive Maintenance (Willem-Jan van den Heuvel)

**11:45 - 12:00** – Questions/Discussion on previous talk (audience)

## Day 2 - Friday, 14/10/2016

**09:00 - 09:15** – Welcoming (A. Christoforou, A.S. Andreou)

**09:15 - 10:15** – Distributed Application Integration (Mike P.

Papazoglou)

**10:15 - 10:30** – Questions/Discussion on previous talk (audience)

**10:30 - 10:45** – Coffee break

**10:45 - 11:45** – Distributed Application Integration (Mike P.

Papazoglou)

**11:45 - 12:00** – Questions/Discussion on previous talk (audience)

## Short CVs

### **Michael P. Papazoglou**

Michael P. Papazoglou is a full professor at the Department of Management of the Tilburg School of Economics and Management, Netherlands.

He holds the chair of Computer Science and is director of the INFOLAB. He is scientific director of the European "Network of Excellence" S-Cube.

His research was/is funded by the European Commission, the Australian Research Council, the Japanese Society for the Promotion of Science, and Departments of Science and Technology in Europe and Australia.

He is a golden core member and a distinguished visitor of the Institute of Electrical & Electronics Engineers (IEEE), Computer Science section.

His main research interests include: Federated and Distributed Information Systems, Distributed Computing Systems, Cooperative Systems, Electronic Business, Internet & World-Wide Web Systems and Architectures, Software Modelling Design and Development, Legacy System Modernization, Enterprise Application Integration, e-Business Integration, Service-Oriented Computing, Business Process Management

### **Willem-Jan van den Heuvel**

Prof. dr. Willem-Jan van den Heuvel is a full professor in Information Systems at the Department of Management of the Tilburg School of Economics and Management, Netherlands, and managing director of the European Research Institute of Services Science (ERISS).

His research interests are at the cross-junction of software service systems and business process management with an emphasis on (global) networked enterprises.

In particular, his expertise revolves around the following major research themes: business process management, Big data analytics, service engineering (including service governance) and legacy system modernization.



[www.dossier-cloud.eu](http://www.dossier-cloud.eu)



[fb.dossier-cloud.eu](https://fb.dossier-cloud.eu)

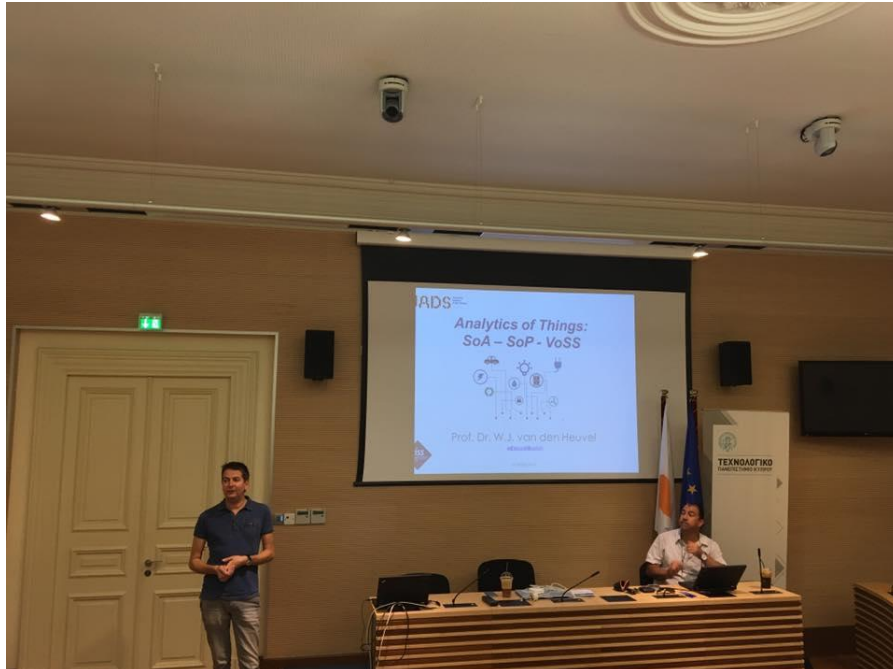


[twitter.dossier-cloud.eu](https://twitter.dossier-cloud.eu)

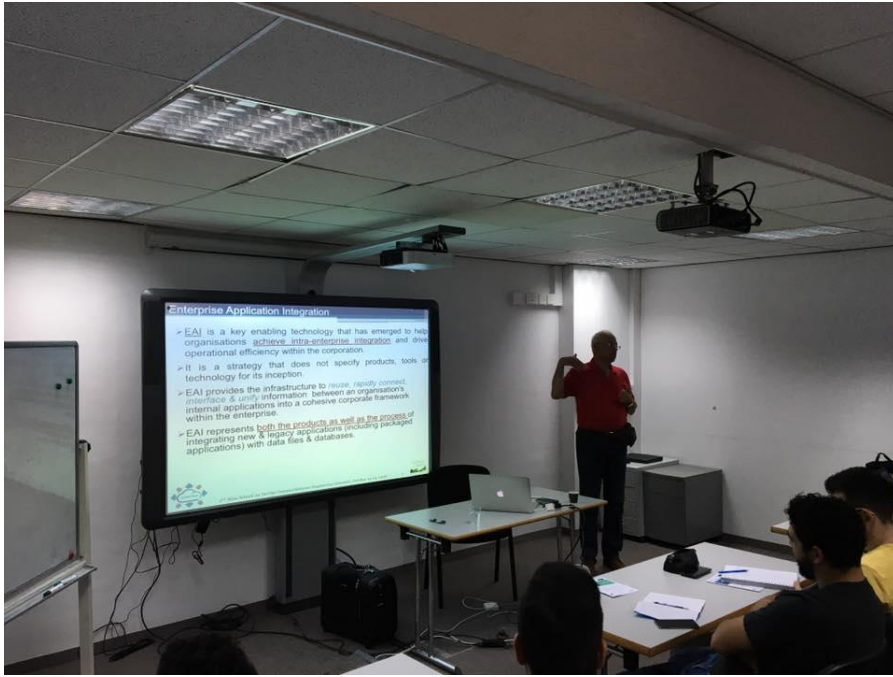
# Consortium



Photos from the 2nd mini-school







## Invitation of the DevOps seminar organised by POLIMI and AICA

**AICA**

**Gruppo di Lavoro "IT Systems Architect"**

#culturadigitale AICA



**opportunità e prospettive**

elementi fondanti e caratterizzanti,  
esempi pratici di possibile utilizzo,  
attività accademiche



DevOps (development and operations), è una metodologia di sviluppo del software che mira ad uno sviluppo più rapido ed efficiente puntando alla comunicazione, collaborazione e integrazione tra gli sviluppatori e gli addetti all'operation. Ha come obiettivo il rilascio del prodotto, il collaudo del software, l'evoluzione e la manutenzione in modo integrato per aumentare affidabilità e sicurezza e rendere più veloci i cicli di sviluppo e rilascio. E' guidato da diversi fattori: (i) utilizzo di metodologie (agili) per lo sviluppo del software, (ii) ampia disponibilità di un'infrastruttura virtualizzata e/o in cloud e (iii) abitudine all'uso di strumenti di configuration management. Incrementa l'efficienza e riduce i rischi di frequenti modifiche in produzione.

La presentazione analizzerà gli elementi fondanti e caratterizzanti della metodologia e fornirà alcuni esempi pratici di possibili utilizzi. Sarà anche l'occasione per presentare i progetti Dossier-Cloud (<http://web.cut.ac.cy/dossier/>) e DICE (<http://www.dice-h2020.eu>) e le attività svolte a far conoscere ed estendere DevOps in ambito accademico.

**Relatori**

**Danilo Ardagna** è professore associato al Politecnico di Milano e svolge ricerca nell'ambito dell'analisi delle prestazioni e ottimizzazione di sistemi software complessi, cloud e big data. Ha svolto un periodo di internship presso l'IBM, T.J. Watson ed ha partecipato a diversi progetti di ricerca nazionali e internazionali.

**Luciano Baresi** è professore ordinario al Politecnico di Milano, dove ha speso buona parte della sua vita professionale. È stato anche professore ospite presso l'università dell'Oregon (Stati Uniti) e ricercatore ospite presso l'università di Paderborn (Germania). Luciano è co-autore di circa 120 articoli, il lavoro di Luciano è citato circa 6400 volte e il suo h-index è 40.

**Milano, 16 giugno 2016, dalle ore 17.30 alle 19.00**

**Sala Seminari "Alessandra Alario" - Dipartimento di Elettronica, Informazione e Bioingegneria - Ed. 21**

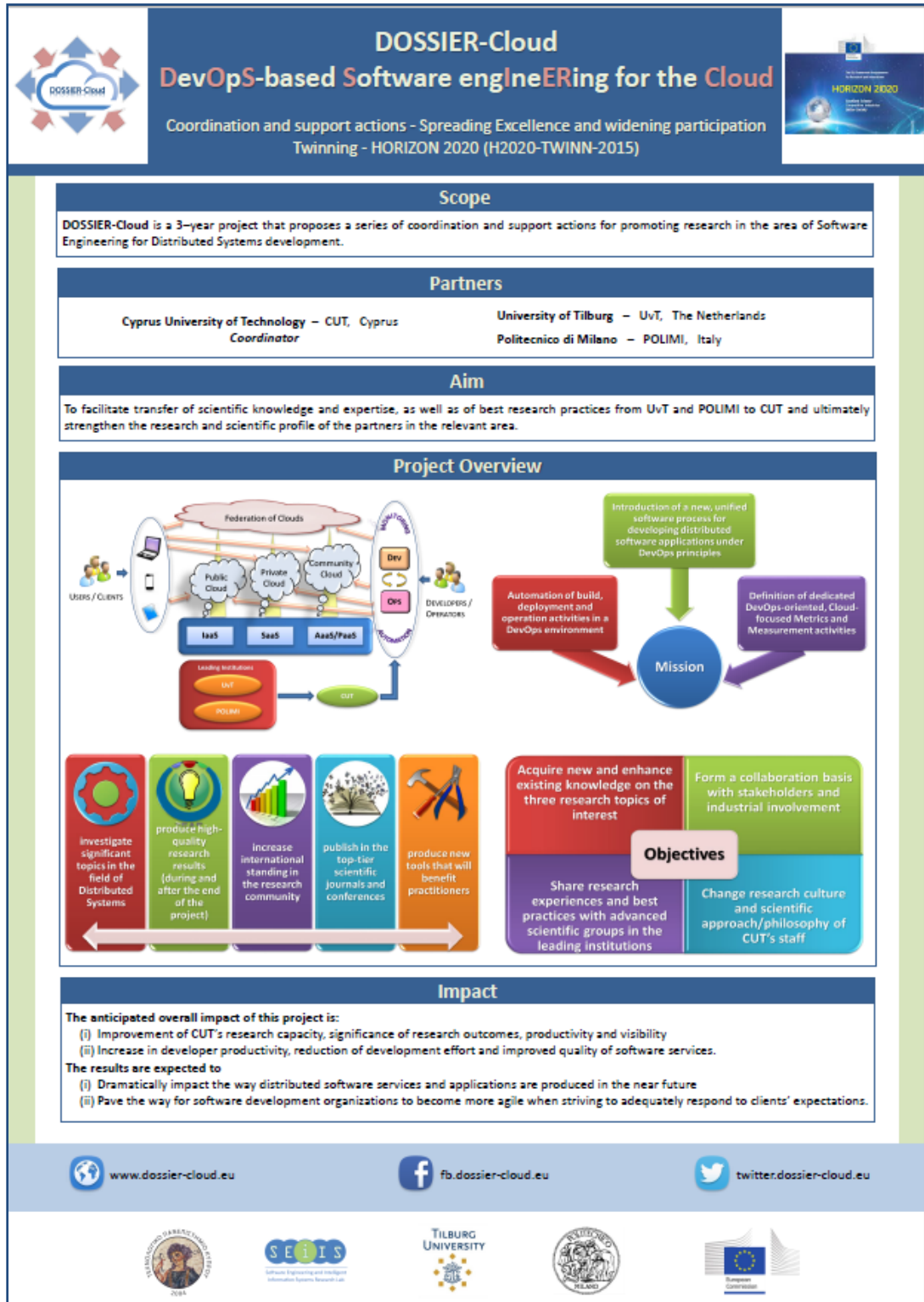
**Via Golgi 39, Milano**

----- La partecipazione è libera e gratuita previo iscrizione -----




## 4. Posters/Banners


### Poster



## Banner



Coordination and Support Actions  
Twinning





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# DOSSIER-Cloud


## DevOpS-based Software engIneERing for the Cloud

CONSORTIUM

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TILBURG UNIVERSITY



## 5. Press releases

### 1<sup>st</sup> Press Release (in greek)



DOSSIER-Cloud  
DEVOPS-BASED SOFTWARE  
ENGINEERING FOR THE CLOUD



Το ερευνητικό εργαστήριο Τεχνολογίας Λογισμικού και Ευφυών Υπολογιστικών Συστημάτων (Software Engineering and Intelligent Information Systems Research Lab) (<http://selis.cut.ac.cy/>) του τμήματος Ηλεκτρολόγων Μηχανικών / Μηχανικών Η/Υ και Πληροφορικής (ΗΜΗΠΛΗ - <https://www.cut.ac.cy/eecei/>) του ΤΕΠΑΚ (<https://www.cut.ac.cy>) εξασφάλισε χρηματοδότηση στα πλαίσια πρόσκλησης του προγράμματος HORIZON-2020 της Ευρωπαϊκής Ένωσης με το έργο DEVOPS-BASED SOFTWARE ENGINEERING FOR THE CLOUD (DOSSIER-Cloud). Το κυπριακό ερευνητικό εργαστήριο με επικεφαλής τον Αναπληρωτή Καθηγητή Δρα Ανδρέα Σ. Ανδρέου θα έχει συντονιστικό ρόλο στο διάρκειας τριών ετών έργο το οποίο θα λάβει συνολική χρηματοδότηση πέραν του μισού εκατομμυρίου ευρώ. Η επιτυχής πρόταση υποβλήθηκε στα πλαίσια της πρόσκλησης "Twinning (H2020-TWINN-2015) Coordination and support actions: Spreading excellence and widening participation", που αποσκοπεί στη δικτύωση ερευνητικών κέντρων με πρωταγωνιστικό ρόλο στους τομείς ενδιαφέροντος του έργου. Στο δίκτυο συνεργασίας του έργου αυτού πέραν του ΤΕΠΑΚ θα συμμετάσχουν και δύο κορυφαία πανεπιστήμια με διακεκριμένη ερευνητική δραστηριότητα στα πεδία της Τεχνολογίας Λογισμικού (Software Engineering) και του Υπολογιστικού Νέφους (Cloud Computing), το Πολυτεχνείο του Μιλάνου στην Ιταλία (Politecnico di Milano - <http://www.polimi.it/en/>) και το Πανεπιστήμιο του Τίλμπουργκ στην Ολλανδία (University of Tilburg - <https://www.tilburguniversity.edu/>).

Κύριος στόχος του έργου είναι η ανάπτυξη ενός δικτύου συνεργασίας μεταξύ των τριών ακαδημαϊκών ιδρυμάτων για την ενίσχυση της ερευνητικής δυναμικής και δραστηριότητάς τους στους τομείς της Τεχνολογίας Λογισμικού και του Υπολογιστικού Νέφους μέσω της μεταφοράς τεχνογνωσίας και της συνεργασίας στη διερεύνηση και υλοποίηση νέων ερευνητικών ιδεών. Η μεταφορά γνώσης και εμπειρογνομosύνης θα επιτευχθεί στα πλαίσια συγκεκριμένων δραστηριοτήτων, όπως ανταλλαγές προσωπικού, διοργάνωση επιστημονικών εργαστηρίων και θερινών σχολείων, παράδοση εξειδικευμένων διαλέξεων, διοργάνωση ημερίδων πληροφόρησης, συμμετοχή σε διεθνή επιστημονικά συνέδρια, και θα υποστηριχθεί ενεργά μέσω της στενής συνεργασίας με τοπικές εταιρείες παραγωγής και υποστήριξης λογισμικού.

Πέραν του Δρα Ανδρέου στο έργο συμμετέχει ο Λέκτορας Δρ. Σωτήρης Χατζής καθώς και οι διδακτορικοί φοιτητές/ερευνητές Αντρέας Χριστοφόρου, Παναγιώτης Χριστοδούλου, Χάρης Παρταουρίδης και Κωνσταντίνος Στυλιανού, όπως επίσης και αριθμός μεταπτυχιακών φοιτητών επιπέδου μάστερ του τμήματος ΗΜΗΠΛΗ. Της ομάδας του Πολυτεχνείου του Μιλάνου ηγείται ο καθηγητής Carlo Ghezzi και αυτής του Πανεπιστημίου του Τίλμπουργκ ο καθηγητής Michael P. Papazoglou.


Σκοπός του έργου είναι η ανάπτυξη νέων καινοτόμων μεθοδολογιών και διαδικασιών για την ανάπτυξη συστημάτων και υπηρεσιών λογισμικού στο Υπολογιστικό Νέφος στα πλαίσια της νεοφυούς προσέγγισης DevOps η οποία προσβύει την άρρηκτη σύνδεση και συνεργασία μεταξύ των ατόμων που αναπτύσσουν το σχετικό λογισμικό (Developers) και αυτών που τα συντηρούν (Operations) ώστε να επιτευχθεί αύξηση της επίδοσης μειώνοντας ταυτόχρονα το χρόνο ανάπτυξής τους. Επιπρόσθετα, θα διερευνηθούν τρόποι παρακολούθησης της τεχνολογικής υποδομής του Υπολογιστικού Νέφους, καθώς και της ποιότητας των προσφερόμενων υπηρεσιών λογισμικού, για να γίνει κατορθωτή η ανάπτυξη αυτοματισμών με τη χρήση υπολογιστικής νοημοσύνης για την υποστήριξη των διαδικασιών ανάπτυξης. Οι στόχοι του έργου ευθυγραμμίζονται πλήρως με τους εθνικούς στόχους και τη στρατηγική έξυπνης εξειδίκευσης (smart specialization) της Κύπρου προσδοκώντας ότι τα αναμενόμενα αποτελέσματα του έργου θα αξιοποιηθούν από τοπικές εταιρείες ανάπτυξης λογισμικού στις τρεις χώρες που συμμετέχουν.

Περισσότερες πληροφορίες στην ιστοσελίδα του έργου: <http://web.cut.ac.cy/dossier/>









## ΤΕΠΑΚ: Εξασφάλιση χρηματοδότησης στα πλαίσια του προγράμματος HORIZON-2020

Από το ερευνητικό εργαστήριο Τεχνολογίας Λογισμικού και Ευφυών Πληροφοριακών Συστημάτων του τμήματος Ηλεκτρολόγων Μηχανικών/Μηχανικών Η/Υ και Πληροφορικής του ΤΕΠΑΚ

Το ερευνητικό εργαστήριο Τεχνολογίας Λογισμικού και Ευφυών Πληροφοριακών Συστημάτων (Software Engineering and Intelligent Information Systems Research Lab) (<http://seis.cut.ac.cy/>) του τμήματος Ηλεκτρολόγων Μηχανικών / Μηχανικών Η/Υ και Πληροφορικής (ΗΜΗΠΛΗ - <https://www.cut.ac.cy/eece/>) του ΤΕΠΑΚ (<https://www.cut.ac.cy/>) εξασφάλισε χρηματοδότηση στα πλαίσια πρόσκλησης του προγράμματος HORIZON-2020 της Ευρωπαϊκής Ένωσης με το έργο DEVOPS-BASED SOFTWARE ENGINEERING FOR THE CLOUD (DOSSIER-Cloud). Το κυπριακό ερευνητικό εργαστήριο με επικεφαλής τον Αναπληρωτή Καθηγητή Δρα Ανδρέα Σ. Ανδρέου θα έχει συντονιστικό ρόλο στο διάκερμα τριών ετών έργο το οποίο θα λάβει συνολική χρηματοδότηση πέραν του μισού εκατομμυρίου ευρώ. Η επιτυχής πρόταση υποβλήθηκε στα πλαίσια της πρόσκλησης "Twinning (H2020-TWINN-2015) Coordination and support actions: Spreading excellence and widening participation", που αποσκοπεί στη δικτύωση ερευνητικών κέντρων με πρωταγωνιστικό ρόλο στους τομείς ενδιαφέροντος του έργου. Στο δίκτυο συνεργασίας του έργου πέραν του ΤΕΠΑΚ θα συμμετάσχουν και δύο κορυφαία πανεπιστήμια με διακεκριμένη ερευνητική δραστηριότητα στα πεδία της Τεχνολογίας Λογισμικού (Software Engineering) και του Υπολογιστικού Νέφους (Cloud Computing), το Πολυτεχνείο του Μιλάνου στην Ιταλία (Politecnico di Milano - <http://www.polimi.it/en/>) και το Πανεπιστήμιο του Τίλμπουργκ στην Ολλανδία (University of Tilburg - <https://www.tilburguniversity.edu/>).

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ΤΕΛΕΥΤΑΙΑ ΝΕΑ

ΔΗΜΟΦΙΛΕΣΤΕΡΑ

Πρόταση προς το ΚΔΣ ΟΕΑΜΕΚ και ΟΑΤΕΚ για ενίσχυση


ΠΑΔΕΔ Πρωτοβουλία: Με μεγάλη επιτυχία ξεκίνησε και συνεχίζεται το 10ήμερο εκπαιδευτικό

Ελλάδα: Δημιουργήθηκε Ψηφιακή Ιστορική Συλλογή Σχολικών Εγχειριδίων με 5.979 βιβλία

Διαβάζοντας ανάμεσα στις γραμμές

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Neuroscience  
Biomedical Research

Έρευνα και Καινοτομία


Πανεπιστήμιο Κύπρου

## 6. Meetings

Members of the UvT team held various independent meetings with local stakeholders in Netherlands during which they explained the mission of the project and described its targets. The aim of these meetings, apart from serving dissemination purposes, was to prepare the ground for setting up collaborations and for investigating problems of mutual interest in the area of cloud computing, services and smart data processing.

The meetings performed were the following :

### 08 September 2016

#### **Stakeholder: Adversitement – Uden**

Profile:

Adversitement – Uden purpose is to have a positive, sustainable impact on individual lives and the world we live in – by empowering people to make the best possible decisions to improve business, education, healthcare, communications, entertainment and every other relevant aspect of our daily lives. When it comes to decision making we highly value human intuition and creativity. But we do believe the smartest calls are made when reliable insights are available. That's why we are committed to deliver high quality data which are produced in a trusted and transparent way.

Website: <https://www.adversitement.com/>

### 09 September 2016

#### **Stakeholder: Philips Lighting Research – Eindhoven**

Profile:

Philips Research Eindhoven is located on the High Tech Campus (HTC) Eindhoven, which is the center for technology enabled innovation in The Netherlands. It is an open campus, targeted at fostering open cooperation between different companies and institutes. Over 8000 researchers, developers, and entrepreneurs work closely together at the HTC, developing the technologies and products of tomorrow.

Philips Research Eindhoven works on innovations in Professional Healthcare and Personal Health. We combine research activities with 'first of a kind' product development based on our advanced engineering competencies. Our way of working is strongly multidisciplinary, both in terms of technical scientific disciplines and in terms of applications. We cover a broad range of disciplines. From physics, chemistry, electronics, mechatronics, embedded software, signal processing, and computer science into

cross-disciplinary fields like biomedical engineering, microbiology, biophysics, and systems design all the way to psychology, perception, and behavioral sciences.

Website: <http://www.philips.com/a-w/research/locations/eindhoven.html>

## **01 December 2016**

**Stakeholder: Den Bosch Municipality, Heijmans N.V.**

Profile:

Den Bosch is the capital city of Noord-Brabant and is the centre of an economically important region. It is famous for its rich cultural history. In The Netherlands, Den Bosch is a medium sized city with a population of 136,500 and it is the home town of Studio Kluif. Studio Kluif designed a poster campaign to promote the Transferium Shuttle Service to the city centre.

Website: <https://www.s-hertogenbosch.nl/>

## **12 January 2017**

**Stakeholder: Crossyn**

Profile:

Crossyn collects, analyzes and enriches vehicle data as well as drivers' driving habits on its Analytics of Things Platform. Drivers remain in full control, as they are the only ones to decide whether and which data is shared with third parties, such as garages, insurance companies and lease companies. Vehicle maintenance will be more efficient, at lower cost, and defects can be detected earlier. Crossyn enables her clients to take the lead and optimize their business cases.

Website: <https://www.crossyn.com/en>

## **08 February 2017**

**Stakeholder: VIVAT**

Profile:

VIVAT delivers advanced and smart solutions to our customers in a customized and simple way. VIVAT leverages state of the art technologies and excels in efficient business processes. We foster an agile culture where our customer service improves continuously and employees grow.

Website: <http://vivat.nl/en/>





## 7. Conclusions

This document provided a list of the leaflets, invitations, posters and banners produced in the context of the project during the 1<sup>st</sup> reporting period that constitute its supporting dissemination material. It also presented press releases on academic websites and newspapers informing the general public about the mission, targets and results thus far of the DOSSIER-Cloud and, finally, provided a list of meetings with local stakeholders.