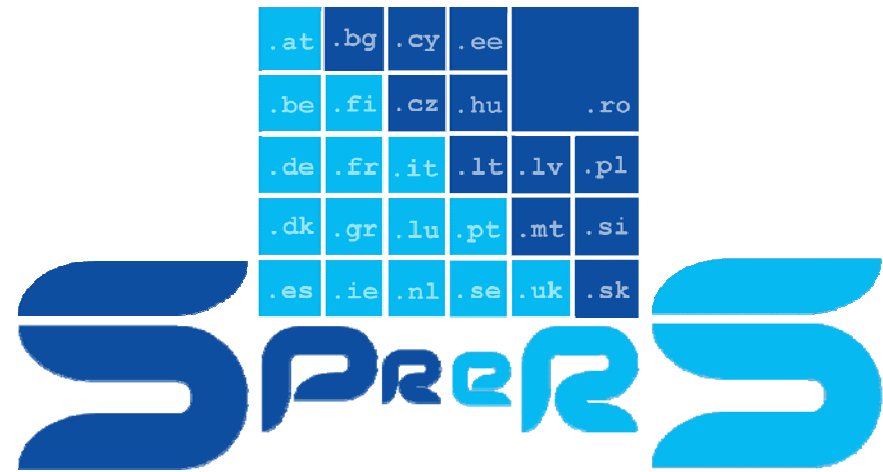

Welcome from



Prof. Dr. Dana Petcu

Head of Computer Science Department, UVT
SPRERS coordinator

Overview

- SPREERS aim
- Training aims

SPRERS

■ Aim:

- ❑ improve the participation to European collaborative research activities of research teams involved in software services from new member states

■ Through:

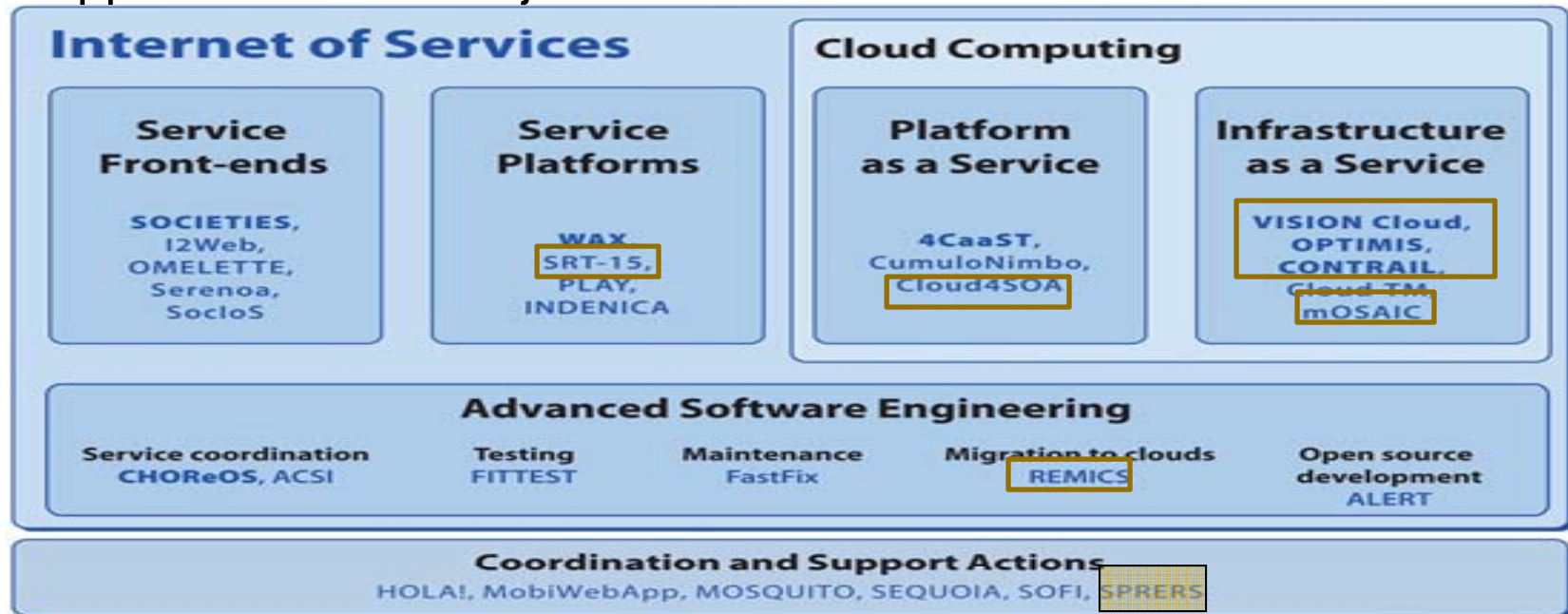
- ❑ identifying the strengths of these teams
- ❑ facilitate their collaboration through
 - thematic workshops
 - expert meeting
 - a training event
 - an awarding program
 - white papers.





Project

- FP7-ICT Call 4 – Objective 9.4
- www.sprers.eu
- UVT only participant
- 0.4 Mil Euros with 0.3 Mil for support actions
- January 2010 - December 2011
- Support actions for Objective 1.2



* IP/NoEs in bold



Main support actions

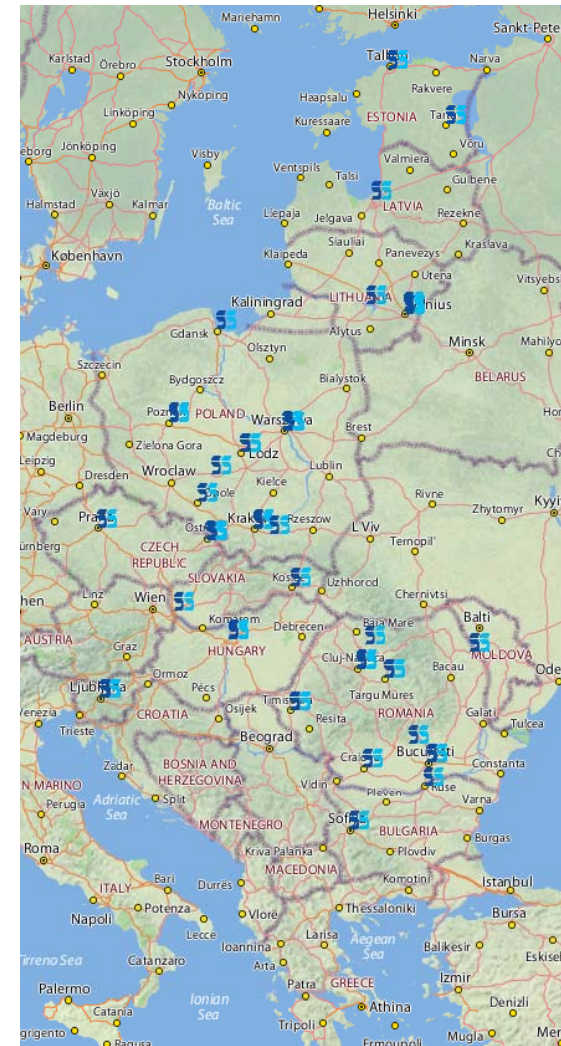
When	Event	When	Event
Sept 2010	1st WoSS - Workshop on software services: Frameworks & Platforms	March 2010	Meeting of EU12 NCPs and national experts to discuss the integration of EU12 relative to FP7-ICT
Dec 2010	1st Training event on SS + 3 Awards for SS activities in EU12	May 2010	Meeting of an expert group from EU12 to discuss the competences and strengths in software services
June 2011	2nd WoSS -Workshop on Software Services: Cloud computing & Appls + 1 Award for SS activities in EU12	June 2010	Action plan for better integration of EU12
Sept 2011	3rd WoSS - Workshop on software services: Semantic-based services + 4 Awards for FP7 knowledge	Sept 2010	White paper about EU12 competences in software services + map of competences
Nov 2011	2nd Training event on SS (Cloud computing) + 3 Awards for SS activities in EU12	June 2011	New version of white paper and map of competences



Action plan + Competence map

See deliverables on project site www.sprers.eu

Champions	Need to improve inter-communication	Identify and select key R&D areas where the country can present and or develop itself into a European champion	EU12 research agencies
Just in time information	The R&D national community needs help towards more cooperation with European partners and participation in European R&D consortia	Disseminating EU RDI programme calls for proposals among the national R&D community at an early stage (e.g. via emailing lists, website, call info days, and other channels like NCPs)	EU12 NCPs
Promote the national R&D community	Promote the external visibility of the EU12 R&D community	NCPs should: <ol style="list-style-type: none"> Assist researchers from other countries to discover R&D partners in Romania Build professional news lists 	EU12 NCPs
Brain drain as a gain	EU12 countries are exporting brains and expertise	Identify and attract expatriate researchers to invest in or contribute to setting up research infrastructure, labs and equipment as well as stimulate partnerships and cooperation with EU12 R&D organizations.	EU12 research agencies
EU12 evaluators	EC project evaluations is the most direct way to train future EC project writers	National support and training for researchers to access evaluator positions for European project applications and to get more EU12 in evaluation committees.	EU12 research agencies



2nd WoSS – Cloud computing focus

2nd WoSS — Portal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://sprers.eu/events/2nd-woss

Norton Safe Search Search Safe Web Identity Safe

Zimbra: Inbox (1) 2nd WoSS — Portal 2ndTraining


Monday, June 6th

08:00-08:45 Registration


08:45-09:00 Opening - [Welcome from SPRERS](#)

09:00-11:20 **Session 1: Invited talks on automation and storage in Clouds** (chair: José Luis Vázquez-Poletti)

- **Paolo Romano - INESC-ID Lisbon, Portugal** (coordinator of Cloud-TM). *Autonomic mechanisms for transactional replication in elastic cloud environments* (slides)



- **Hillel Kolodner - IBM Haifa Research Lab, Israel** (representing VISION Cloud). *Data-intensive Storage Services on Clouds: Limitations, Challenges and Enablers*



11:20-11:40 Coffee break

11:40-13:00 **Session 2: Cloud technologies** (chair: Alysson Bessani)

Regular papers:

- **Viet Tran (Institute of Informatics Slovakia)**, Binh Minh Nguyen and Ladislav Hluchy. *Abstraction layer for cloud computing*

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What's New in European Research Area? Cloud Computing Topics



European Research Activities in Cloud Computing

Publisher House: Cambridge Scholars Press
Editors: Dana Petcu and José Luis Vázquez-Poletti
Publish Date: March 2012,
 ISBN (10): 1-4438-3507-2, ISBN (13): 978-1-4438-3507-7



Despite its widespread adoption, Cloud Computing still has critical problems to be solved. The European research and development community is searching for viable solutions. This book presents several European Research Projects covering different topics of Cloud Computing: Cloud services, Cloud management, Cloud automation, Cloud Adoption.

Partial support from European Commission FP7 project SPRERS

Content

Part I: Cloud Services

Open Computing Infrastructures for Elastic Services
 by Yvon Jégou et al
 Autonomic Mechanisms for Transactional Replication in Elastic Cloud Environments
 by Paolo Romano et al
 Data-intensive Storage Services on Clouds: Limitations, Challenges and Enablers
 by Hillel Kolodner et al
 Migrating legacy application to the Service Cloud Paradigm
 by Parastoo Mohagheghi et al

Part II: Cloud Management

Towards Holistic Cloud Management
 by Johan Torndsson et al
 Privacy and Resilience for Internet-scale Critical Infrastructures
 by Alysson Bessani et al

Part III: Cloud Automation

Agent Based Services for Negotiation, Monitoring & Reconfiguration of Cloud Resources
 by Salvatore Venturino et al
 Self-adaptation in Service-Oriented Systems
 by Elisabetta Di Nitto et al
 Service Level and Delivery Management in e-Infrastructures
 by Matti Heikkurinen et al

Part IV: Cloud Adoption

Cloud Distribution
 by Charles Loomis et al
 Business Application Governance and SLA Management in Platform as a Service context
 by Francesco D'Andria et al
 Reducing Time to Market with the a Platform as a Service
 by José Luis Vázquez-Poletti et al

Samples



Introduction chapter:
 FP7 projects dealing with
 Cloud Computing in
 "Invitation to a Journey
 in the ERA of Cloud
 Computing"

12th chapter: 4CaaS
 platform in "Reducing
 Time to Market with the
 Platform as a Service
 Cloud of the Future"



Follow the book authors
 presenting their projects
 and achievements, before
 the book appearance, at
 2nd WoSS: <http://sprers.eu/events/2nd-WoSS>

Contacts



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Training aims

- disseminate:
 - achievements of the on-going EU collaborative projects in software services running under FP7-ICT programme, towards the teams from NMS,
 - identify and acknowledge the European results in software services
- opportunity for networking between the participants
 - establish trust and understanding between the participants
 - potential future collaborations between represented teams



Statistics

- EU FP7-ICT projects
 - 6 projs from SSAI
 - 1 proj from FP7-SME
 - 1 from several projects
- 14 Sessions:
 - 9 projects
 - 1 introduction in CC
 - 1 session for trainees
 - 1 industrial tutorial
 - 1 award
 - 1 training in proposal writing
- Participants:
 - 8 invited trainers/speakers
 - 5 SPRERS experts
 - 2 awarded persons
 - 37 applications
 - 75 participants
 - 8 new member states
 - 6 old member states
- Special event in 13th
 - Awarding session



Wishes

- Have a productive meeting!
- Put the grounds of future collaborations!
- Have a nice stay in Timisoara!